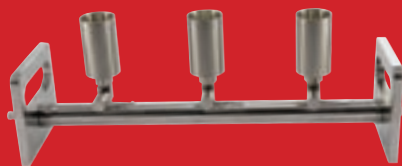


# labbox

lab supplies at fair prices



2014  
INTERNATIONAL EDITION

## LABBOX COMMITMENTS



### BASIC PRICES

We do everyday a hard work to offer you an extensive labware product range at basic prices.



### QUICK DELIVERY

We invest in sufficient stock to have availability for 95% of any order received. Through a broad network of dealers around the world and the best and quickest shipping companies, we do the utmost to ensure the quickest delivery.



### SATISFACTION GUARANTEED

Our aim is to have satisfied customers. Should any problem occur, or you receive any defective material, do not hesitate to contact your nearest distributor or us directly.

## YOUR NEAREST DISTRIBUTOR

## DISCLAIMER

We have made our best to define accurately through photographs, drawings, measurements and descriptions all the products appearing in this catalogue. Nevertheless **all the data both graphics and descriptions must be considerate as estimated**, and they do not constitute a written contract between Labbox and buyers. In case of discrepancy between the information in the catalog and the actual product, **labbox responsibility is limited to accept the return of the products**.

Products mentioned in this catalogue are sold **only for laboratory use** and their use is reserved for professional use only by trained and qualified technicians. Labbox cannot be held responsible for the misuse of them or the use by untrained personnel. The persons involved in the handling, transportation or use of the products mentioned in the catalogue **must know the risks involved in these products**. They must as well **wear the recommended individual or collective protection devices**, read and follow the caution and protection recommendation written on the label and the **material safety data sheet** of chemical products, or the instruction manuals of the equipments.

### LABBOX Premium Line

Some products included in our catalogue are available in two different qualities: the standard quality with the best price and the upper grade quality, labeled as *Premium Line*. These *Premium Line* products do have some relevant characteristics making them more suitable for some particular applications, but still keeping a very good quality-price ratio as all labbox products.

For example:

-**Volumetric flasks labeled as Premium Line** have been manufactured with glass from leading manufacturers of laboratory glassware and each flask has a batch number printed on it, making them particularly demanded in pharmaceutical industry or research laboratories.

-**Premium Line tips** are DNase, RNase and PCR inhibitors-free certified, making them specifically designed for PCR techniques.

### LBX Instruments LABORATORY EQUIPMENTS

In the present catalogue we introduce a **new product family of small laboratory equipments** LBX Instruments including magnetic stirrers with or without heating, mini centrifuges, heating mantles, rotator stirrers, tube rollers, microplates stirrers and Vortex. These equipments are offering an **exceptional quality for all kind of users** with an adjusted price. The product family will be growing on the coming years to embrace any kind of the most laboratory equipments.



### Premium Line PORCELAIN, TECHNICAL SPECIFICATIONS

#### Thermal Shock Resistance:

Average coefficient of expansion from 20 °C to 200 °C is  $3.56 \times 10^{-5}$ , gradually increasing to  $4.69 \times 10^{-5}$  at 1000 °C.

Experience has indicated suitability of particular shapes for specific uses. It remains the responsibility of the user to determine the suitability for his use. To prevent thermal stress cracks on porcelain ware, labbox strongly recommends a heating/cooling rate not to exceed 200 °C/hour.

The thermal shock resistance of laboratory porcelain depends on various factors such as the correct correlation of the coefficient of expansion of porcelain body and glaze, the elasticity of glaze, etc.

#### Resistance to Chemical Action:

The resistance to acids and alkalis is excellent, except for hydrofluoric acid.

#### Prolonging labware life:

- Follow gradual heating and cooling rates.
- Use an oven or hot plate as an intermediate step when quicker heating/cooling rates are required.
- Gradually increase flame intensity when using a gas burner.
- Avoid contact of heated ware with a cold surface.
- Carefully inspect your labware prior to each use and do not use any product that appears defective.

### LABBOX GLASSWARE, TECHNICAL SPECIFICATIONS

**LBG 3.3** is a borosilicate glass with a minimum content in silica of 80% and a low expansion coefficient ( $3.3 \cdot 10^{-6} \text{ K}^{-1}$ ) included in the 3.3 borosilicate group, as defined in ISO 3585 standard.

It is used in products where chemical and mechanical resistance is to be combined with resistance to sudden temperature changes. This particular combination of properties makes this type of glass the most used in labware.

#### Physical and chemical properties

Linear expansion coefficient (@ 20/300 °C)	$3.3 \cdot 10^{-6} \text{ K}^{-1}$
Strain point	520 °C
Annealing point	$560 \pm 10 \text{ °C}$
Softening point	$820 \pm 10 \text{ °C}$
Density	$2.23 \pm 0.02 \text{ g/cm}^3$
Hydrolytic resistance (according to ISO 719, water at 98 °C)	Class 1
Hydrolytic resistance (according to ISO 720, water at 121 °C)	Class 1
Resistance to acids (according to ISO 1776, DIN 12116)	Class 1
Resistance to alkalis (according to ISO 695)	Class 2

#### Typical composition

80.4%	in weight	$\text{SiO}_2$
13.0%	in weight	$\text{B}_2\text{O}_3$
4.2%	in weight	$\text{Na}_2\text{O}$
2.4%	in weight	$\text{Al}_2\text{O}_3$

**LBG N** is a neutral borosilicate glass with a high chemical resistance. Its average linear dilation coefficient is  $8.0 \cdot 10^{-6} \text{ K}^{-1}$ . It is used in products not intended to be directly heated, but instead should have a higher mechanical resistance (such as mortars, desiccators, filtering flasks ...) or in some volumetric glassware (such as pipettes, burettes ...).

**LBG A** is a neutral borosilicate glass similar to LBG N but amber so to protect photosensitive products.

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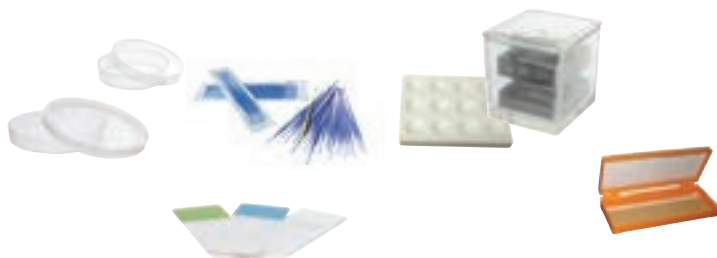
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## ANALYTICAL REAGENTS AND LABORATORY CHEMICALS labkem

Labkem is the brand for analytical reagents and chemicals from labbox. Recently created, labkem is based on the same principles that have enabled the dramatic growth of labbox: Always low prices, fast delivery and satisfaction guaranteed or your money back.

This new catalog includes more than 600 references, 150 of them new. It introduces new product ranges to provide a better service to a larger number of customers, from the practices in school until analysis by HPLC in a pharmaceutical laboratory. With the same assumptions that have made labbox a supplier of laboratory consumables at affordable prices, with the right quality and excellent service.

Among the new products should be highlighted:  
HPLC grade solvents, with basic HPLC solvents, both as isocratic and gradient mode.

We have included more reagents Analytical Grade, high quality according ACS and ISO standards, adding more acids, solvents and salts. It is the range of reagents for demanding analytical applications. This range includes new reagents meeting the specifications of the European Pharmacopoeia, so that can be used in analytical methods of Pharmacopoeia.

The new grade GLR (General Laboratory Reagent), consisting mainly of the most common solvents for general purpose applications such as organic synthesis, preparative chemistry or routine analysis, at affordable prices in a packaging suitable to this quality. This new range complements the existing quality Extra Pure, with many salts in 500 g format at very affordable prices, in applications where no specific requirements are needed.

This new catalog extends the range of Volumetric Solutions, ready to use and concentrated in ampoules, including references widely used in volumetric analysis. Next to them, the extensive range of indicators, powdered or ready to use, makes the titration with labkem more affordable.

The appreciated and practical range of pH buffers in non-return bottles with measuring chamber is complemented by the addition of care solutions for electrodes with conductivity standards, also in measuring chamber bottles for safety and comfort during calibrations.

The catalog also includes products for specific applications, highlighting powder dyes and stains ready for use in microscopy and microbiology. Many ready to use reagents for the detection / quantification of specific functional groups are included.

Do not forget the ancillary products, without being analytical reagents, but widely used in the laboratory, silicone grease for ground glass joints, silicone oil for heating baths and silica gel with indicator, not containing cobalt, for desiccators, and new products such as, anhydrous calcium chloride and anhydrous magnesium sulfate are added, used in organic synthesis laboratories.

Finally it should be noted, the full program of laboratory detergents, labkem cleaner, for high efficiency of cleaning.

All products are labeled according to EU Directive 1272/2008 (known as CLP/GHS), safety data sheets are available in 6 languages (English, Spanish, French, Portuguese, Dutch and Italian). All certificates of analysis can be downloaded from [www.labbox.com](http://www.labbox.com)

The labkem catalog is a young, active and growing catalog, with the labbox spirit, ready to satisfy the needs of our customers. Send us your requests and according our possibilities we will incorporate the products of your interest. We hope your demands will include new products in the near future.

### Beaker, low form

Graduated and with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819



sales unit reference	capacity	$\varnothing_{\text{ext}}$ (mm)	h (mm)	pcs per sales unit
BKL3-025-012	25 ml	35	50	12
BKL3-050-012	50 ml	45	60	12
BKL3-100-012	100 ml	53	70	12
BKL3-150-012	150 ml	60	80	12
BKL3-250-012	250 ml	70	97	12
BKL3-400-006	400 ml	80	112	6
BKL3-500-006	500 ml	87	118	6
BKL3-600-006	600 ml	90	130	6
BKL3-800-006	800 ml	100	135	6
BKL3-1K0-006	1000 ml	105	150	6
BKL3-2K0-001	2000 ml	133	185	1
BKL3-3K0-001	3000 ml	150	215	1
BKL3-5K0-001	5000 ml	170	270	1

### Beaker, tall form

Graduated and with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819



sales unit reference	capacity	$\varnothing_{\text{ext}}$ (mm)	h (mm)	pcs per sales unit
BKT3-050-012	50 ml	40	67	12
BKT3-100-012	100 ml	47	88	12
BKT3-150-012	150 ml	52	100	12
BKT3-250-012	250 ml	60	123	12
BKT3-400-006	400 ml	75	135	6
BKT3-500-006	500 ml	75	150	6
BKT3-600-006	600 ml	80	155	6
BKT3-800-006	800 ml	90	178	6
BKT3-1K0-006	1000 ml	100	185	6
BKT3-2K0-001	2000 ml	120	240	1

### Thick-walled beaker, low form

Made of 3.3 borosilicate glass (upper grade). High mechanical resistance due to a thick and reinforced wall. Graduated and with spout. According to DIN 12331 and ISO 3819 standards



sales unit reference	capacity	$\varnothing_{\text{ext}}$ (mm)	h (mm)	pcs per sales unit
BKLG-050-012	50 ml	42	60	12
BKLG-100-012	100 ml	50	70	12
BKLG-250-012	250 ml	70	95	12
BKLG-400-010	400 ml	80	110	10
BKLG-600-006	600 ml	90	125	6
BKLG-1K0-006	1000 ml	105	145	6
BKLG-2K0-004	2000 ml	132	185	4

### Beaker, PTFE

Without graduations. Withstand temperatures up to 280 °C



sales unit reference	capacity	$\varnothing$ (mm)	h (mm)	pcs per sales unit
BKLT-050-001	50 ml	43	55	1
BKLT-100-001	100 ml	54	68	1
BKLT-250-001	250 ml	66	97	1



### Beaker, polypropylene

With raised graduations. Autoclavable at 121 °C. According to ISO 7056

sales unit reference	capacity	graduation	Ø <sub>ext</sub> (mm)	h (mm)	pcs per sales unit
BKLP-025-012	25 ml	5 ml	35	50	12
BKLP-050-012	50 ml	5 ml	45	60	12
BKLP-100-012	100 ml	5 ml	55	70	12
BKLP-250-012	250 ml	10 ml	75	100	12
BKLP-500-012	500 ml	10 ml	95	120	12
BKLP-1K0-006	1000 ml	20 ml	115	150	6
BKLP-2K0-006	2000 ml	50 ml	145	185	6
BKLP-5K0-002	5000 ml	200 ml	180	260	2



### Beaker, stainless steel

With rim and spout. Without graduations

sales unit reference	capacity	Ø (mm)	h (mm)	pcs per sales unit
BKLS-100-001	100 ml	50	60	1
BKLS-250-001	250 ml	65	85	1
BKLS-500-001	500 ml	80	110	1



### Erlenmeyer flask, narrow neck

Graduated. Made of borosilicate glass LBG 3.3. According to DIN 12380, ISO 1773

sales unit reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	Ø <sub>inner mouth</sub> (mm)	pcs per sales unit
EFN3-025-012	25 ml	42	70	16	12
EFN3-050-012	50 ml	51	85	18	12
EFN3-100-012	100 ml	64	105	26	12
EFN3-250-012	250 ml	85	140	30	12
EFN3-500-008	500 ml	105	175	30	8
EFN3-1K0-006	1000 ml	131	220	38	6
EFN3-2K0-001	2000 ml	166	280	40	1
EFN3-3K0-001	3000 ml	187	310	44	1
EFN3-5K0-001	5000 ml	220	365	55	1



### Erlenmeyer flask, wide neck

Graduated. Made of borosilicate glass LBG 3.3. According to DIN 12385

sales unit reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	Ø <sub>inner mouth</sub> (mm)	pcs per sales unit
EFW3-100-012	100 ml	64	105	30	12
EFW3-250-010	250 ml	85	140	46	10
EFW3-500-008	500 ml	105	175	46	8
EFW3-1K0-006	1000 ml	131	220	46	6



### Erlenmeyer flask with GL thread and screw cap Premium Line

Made of top quality 3.3 borosilicate glass. With GL thread and screw cap with a PTFE joint. According to DIN 12380, ISO 1773

sales unit reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	thread	pcs per sales unit
EFS3-101-010	100 ml	64	114	GL 25	10
EFS3-251-010	250 ml	85	143	GL 32	10
EFS3-501-010	500 ml	105	183	GL 32	10
EFS3-1K1-006	1000 ml	131	230	GL 32	6





### Erlenmeyer, polypropylene

With screw cap. Without graduation. Autoclavable at 121 °C

sales unit reference	capacity	Ø (mm)	h (mm)	pcs per sales unit
EFSP-100-012	100 ml	30	110	12
EFSP-250-012	250 ml	35	150	12
EFSP-500-012	500 ml	45	185	12



### Closed lead ring

Made of PVC coated steel. Designed to stabilize erlenmeyer flasks immersed in water

sales unit reference	Ø <sub>inside</sub> (mm)	weight (g)	type	pcs per sales unit
WEIR-048-001	48	260	for 125 - 500 ml narrow neck flasks	1
WEIR-056-001	56	520	for 250 - 1000 ml narrow neck flasks	1
WEIR-061-001	61	830	for 500 - 2000 ml narrow neck flasks	1
WEIR-074-001	74	1000	for 1000 - 4000 ml narrow neck flasks	1



### Kjeldahl flask

For nitrogen determination. Made of borosilicate glass LBG 3.3

sales unit reference	capacity	Ø <sub>bulb</sub> (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs per sales unit
NFL3-050-006	50 ml	51	200	22	6
NFL3-100-006	100 ml	60	200	22	6
NFL3-250-002	250 ml	81	270	34	2
NFL3-500-002	500 ml	101	300	34	2
NFL3-1K0-001	1000 ml	126	350	34	1



### Boiling flask, round bottom, narrow neck

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	Ø <sub>mouth</sub> (mm)	pcs per sales unit
BFK3-050-012	50 ml	53	100	20	12
BFK3-100-012	100 ml	63	120	21	12
BFK3-250-012	250 ml	88	165	25	12
BFK3-500-008	500 ml	110	210	30	8
BFK3-1K0-006	1000 ml	140	260	35	6
BFK3-2K0-002	2000 ml	175	305	46	2



### Boiling flask, flat bottom, narrow neck

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	Ø <sub>mouth</sub> (mm)	pcs per sales unit
BFG3-050-012	50 ml	53	100	20	12
BFG3-100-012	100 ml	63	120	21	12
BFG3-250-012	250 ml	88	165	25	12
BFG3-500-008	500 ml	110	210	30	8
BFG3-1K0-006	1000 ml	140	260	35	6
BFG3-2K0-002	2000 ml	175	305	46	2
BFG3-3K0-001	3000 ml	199	370	50	1

### Measuring jug, polypropylene

With raised graduations. Autoclavable at 121 °C

sales unit reference	capacity	graduation	pcs per sales unit
MJUP-250-012	250 ml	10 ml	12
MJUP-500-012	500 ml	25 ml	12
MJUP-1K0-006	1000 ml	50 ml	6
MJUP-2K0-006	2000 ml	100 ml	6
MJUP-3K0-006	3000 ml	100 ml	6
MJUP-5K0-004	5000 ml	250 ml	4



### Porcelain mortar with pestle Premium Line

Made of upper grade porcelain. Unglazed inside but fine polished. Price includes mortar and pestle. You can find spare "Pestle for porcelain mortar" on our website: [www.labbox.com](http://www.labbox.com)

sales unit reference	capacity	∅ <sub>outer top</sub> (mm)	∅ <sub>inner top</sub> (mm)	h (mm)	pcs per sales unit
MORK-060-001	60 ml	80	60	44	1
MORK-100-001	100 ml	90	75	48	1
MORK-150-001	150 ml	105	85	70	1
MORK-275-001	275 ml	125	100	70	1
MORK-550-001	550 ml	155	125	88	1
MORK-900-001	900 ml	180	150	100	1
MORK-1K5-001	1500 ml	200	175	115	1
MORK-2K0-001	2000 ml	230	175	140	1
MORK-4K2-001	4200 ml	285	250	175	1



### Glass mortar with pestle Premium Line

Made of soda-lime glass. Glazed inside and outside. Price includes mortar and pestle

sales unit reference	capacity	∅ <sub>top</sub> (mm)	l <sub>pestle</sub> (mm)	pcs per sales unit
MORV-050-001	50 ml	60	80	1
MORV-100-001	100 ml	80	100	1
MORV-250-001	250 ml	100	120	1
MORV-500-001	500 ml	120	140	1
MORV-1K0-001	1000 ml	150	160	1



### Glass mortar with pestle

Made of neutral glass LBG N. Price includes mortar and pestle. With rough inner surface (unglazed)

sales unit reference	capacity	∅ <sub>outer top</sub> (mm)	∅ <sub>inner top</sub> (mm)	h <sub>total</sub> (mm)	pcs per sales unit
MORN-060-001	40 ml	70	60	40	1
MORN-075-001	75 ml	85	75	50	1
MORN-090-001	160 ml	100	90	60	1
MORN-120-001	300 ml	130	120	75	1
MORN-150-001	650 ml	165	150	85	1
MORN-180-001	1100 ml	195	180	100	1



### Agate mortar with pestle, Premium Line

Mortar with hexagonal shape made of high hardness and abrasion resistant agate. The hardness on the Moh's scale is 6.5. Fine polished inner and outer surfaces. Price includes mortar and pestle. Due to the manufacturing process of these mortars, the dimensions mentioned in catalog are approximate and could be subject to change



sales unit reference	Ø <sub>outer</sub> (mm)	Ø <sub>inner</sub> (mm)	h (mm)	pcs per sales unit
MORG-050-001	50	40	30	1
MORG-078-001	78	65	39	1
MORG-100-001	100	87	44	1
MORG-115-001	115	100	51	1
MORG-125-001	125	111	61	1

### Crystallizing dish with spout

Made of borosilicate glass LBG 3.3



sales unit reference	capacity	Ø (mm)	h (mm)	pcs per sales unit
CDI3-080-006	80 ml	60	40	6
CDI3-200-006	200 ml	90	45	6
CDI3-300-006	300 ml	100	50	6
CDI3-600-006	600 ml	125	63	6
CDI3-1K0-002	1000 ml	150	75	2
CDI3-2K0-002	2000 ml	180	90	2

### Crystallizing dish, thick glass

Made of soda-lime glass



sales unit reference	capacity	Ø <sub>inner</sub> (mm)	h <sub>total</sub> (mm)	h <sub>int.</sub> (mm)	pcs per sales unit
CDIN-900-001	525 ml	120	80	54	1
CDIN-1K5-001	1200 ml	150	90	69	1
CDIN-2K5-001	2100 ml	180	100	90	1
CDIN-3K8-001	3300 ml	210	110	100	1

### Crystallizing dish, high volume, polypropylene

Without spout. Autoclavable at 121 °C



sales unit reference	capacity	Ø (mm)	h (mm)	pcs per sales unit
CDIP-1K5-001	1500 ml	180	60	1
CDIP-3K0-001	3000 ml	200	100	1
CDIP-4K9-001	4900 ml	250	100	1

### Crystallizing dish with spout, porcelain, Premium Line

Made of top quality porcelain. Glazed inside and outside except for bottom and rim



sales unit reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs per sales unit
CDIK-100-006	100 ml	77	32	6

### Evaporating dish, glass, flat bottom

With spout. Made of borosilicate glass LBG 3.3



sales unit reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs per sales unit
EDF3-045-006	45 ml	60	30	6
EDF3-100-006	100 ml	90	45	6
EDF3-300-002	300 ml	120	60	2
EDF3-600-002	600 ml	150	75	2

### Evaporating dish, porcelain, round bottom Premium Line

Made of top quality porcelain. Withstand temperatures up to 1150 °C. Round form with lip. Glazed inside

sales unit reference	capacity	∅ <sub>top</sub> (mm)	h (mm)	pcs per sales unit
EVRK-035-006	35 ml	60	22	6
EVRK-070-006	70 ml	75	30	6
EVRK-120-006	120 ml	94	42	6
EVRK-250-006	250 ml	115	47	6
EVRK-385-001	385 ml	145	52	1
EVRK-525-001	525 ml	162	52	1
EVRK-765-001	765 ml	185	60	1
EVRK-1K3-001	1285 ml	215	80	1



### Evaporating dish, porcelain, flat bottom Premium Line

Made of top quality porcelain. Withstand temperatures up to 1150 °C. Shallow form with lip. Glazed inside

sales unit reference	capacity	∅ <sub>top</sub> (mm)	h (mm)	pcs per sales unit
EVFK-035-006	35 ml	65	16	6
EVFK-050-006	50 ml	75	20	6
EVFK-080-006	80 ml	85	22	6
EVFK-100-006	100 ml	100	23	6
EVFK-200-006	200 ml	120	34	6
EVFK-300-006	300 ml	150	29	6
EVFK-500-001	500 ml	175	31	1
EVFK-1K0-001	1000 ml	250	53	1



### Casserole, porcelain, Premium Line

Made of top quality porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and top of handle. With pouring lip

sales unit reference	capacity	∅ <sub>top</sub> (mm)	h (mm)	pcs per sales unit
CAHK-065-001	65 ml	70	33	1
CAHK-200-001	200 ml	100	52	1
CAHK-500-001	500 ml	125	75	1
CAHK-1K2-001	1250 ml	175	98	1



### Stainless steel bowl

With lip and flat bottom

sales unit reference	capacity	∅ <sub>top</sub> (mm)	h (mm)	pcs per sales unit
EDFS-070-001	70 ml	60	35	1
EDFS-150-001	160 ml	80	45	1
EDFS-300-001	250 ml	100	55	1
EDFS-500-001	400 ml	120	60	1



### Melting point capillary tube

Made of borosilicate glass LBG 3.3. With one end sealed

sales unit reference	∅ (mm)	l (mm)	pcs per sales unit
MPC3-090-100	1,5 – 1,8	90	100





**Thiele melting point tube**

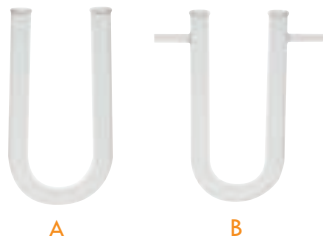
Made of borosilicate glass LBG 3.3

sales unit reference	∅ <sub>tube</sub> (mm)	∅ <sub>side</sub> (mm)	h (mm)	pcs per sales unit
MPT3-150-005	24	10	150	5

**Drying tube, U-shape**

Made of borosilicate glass LBG 3.3

sales unit reference	∅ <sub>tube</sub> (mm)	h (mm)	type	pcs per sales unit
DRU3-150-001	15	150	without side hose (A)	1
DRU3-151-001	15	150	with ∅ 6 mm side hose (B)	1



A

B

**Watch glass dish**

Made of neutral glass LBG N

sales unit reference	∅ (mm)	pcs per sales unit
WDIN-045-010	45	10
WDIN-060-010	60	10
WDIN-080-010	80	10
WDIN-100-010	100	10
WDIN-120-010	120	10
WDIN-150-010	150	10
WDIN-180-010	180	10



**Weighing bottle, low form**

Made of borosilicate glass LBG 3.3

sales unit reference	∅ (mm)	h (mm)	pcs per sales unit
WBL3-030-006	30	20	6
WBL3-035-006	35	25	6
WBL3-040-006	40	30	6
WBL3-050-006	50	30	6
WBL3-060-006	60	30	6
WBL3-070-006	70	40	6



**Weighing bottle, tall form**

Made of borosilicate glass LBG 3.3

sales unit reference	∅ (mm)	h (mm)	pcs per sales unit
WBT3-024-006	25	25	6
WBT3-025-006	25	40	6
WBT3-030-006	30	50	6
WBT3-040-006	40	50	6
WBT3-045-006	45	70	6



**labkem silica gel for desiccators**

With indicator changing from orange to green when absorbing humidity. Orange indicator is classified as "non toxic", avoiding to use the common blue silica gel including cobalt chloride as indicator (cobalt chloride is classified as "toxic")

sales unit reference	particle size	package	pcs per sales unit
SGE0-002-1K0	2 - 5 mm	1 kg	1
SGE0-002-3K0	2 - 5 mm	3 kg	1



**Desiccator, glass, Basic Line**

Made of neutral glass LBG N. Porcelain plate included. Available in two models: desiccator with knobbed lid and vacuum type desiccator with glass stopcock and lid (connector for 8 mm inner diameter tubing)

sales unit reference	capacity	Ø <sub>body</sub> (mm)	Ø <sub>plate</sub> (mm)	h <sub>total</sub> (mm)	pcs per sales unit
<b>Desiccator with knobbed lid</b>					
DE01-200-001	4 L	210	180	300	1
DE01-250-001	6 L	240	210	350	1
DE01-300-001	10 L	300	275	400	1
<b>Vacuum type desiccator with glass stopcock and lid</b>					
DE02-200-001	4 L	210	180	308	1
DE02-250-001	6 L	240	210	358	1
DE02-300-001	10 L	300	275	408	1
<b>Spare knobbed lid</b>					
DEL1-200-001	for DE01-200-001 (Øext: 269 mm and Øint: 218 mm)				1
DEL1-250-001	for DE01-250-001 (Øext: 306 mm and Øint: 247 mm)				1
DEL1-300-001	for DE01-300-001 (Øext: 366 mm and Øint: 303 mm)				1
<b>Spare lid with glass stopcock</b>					
DEL2-200-001	for DE02-200-001 (Øext: 269 mm and Øint: 218 mm)				1
DEL2-250-001	for DE02-250-001 (Øext: 306 mm and Øint: 247 mm)				1
DEL2-300-001	for DE02-300-001 (Øext: 366 mm and Øint: 303 mm)				1



**Vacuum type desiccator, glass stopcock and lid Premium Line**

Made of soda glass. Porcelain plate included. Connector for 8 mm inner diameter tubing

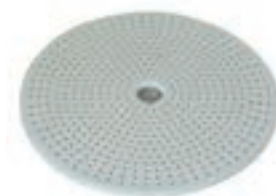
sales unit reference	capacity	Ø <sub>body</sub> (mm)	Ø <sub>plate</sub> (mm)	h <sub>total</sub> (mm)	pcs per sales unit
DE05-150-001	1,5 L	150	145	225	1
DE05-200-001	4 L	200	195	240	1
DE05-250-001	6 L	250	240	280	1
DE05-300-001	10 L	300	275	415	1



**Desiccator plate, porcelain Premium Line**

Made of top quality porcelain. Withstand temperatures up to 1150 °C. High chemical resistance. Suitable for any standard desiccator. Glazed on one side. Autoclavable

sales unit reference	Ø (mm)	pcs per sales unit
DEPK-140-001	140	1
DEPK-190-001	190	1
DEPK-210-001	210	1
DEPK-275-001	275	1



**Desiccator with knobbed lid**

Polypropylene base and polycarbonate transparent lid. Includes a silicon ring between lid and base to ensure sealing. Polypropylene plate included. See the spare parts available for these desiccators on our website: [www.labbox.com](http://www.labbox.com)

sales unit reference	description	pcs per sales unit
DE1P-200-001	desiccator Ø 200 mm	1
DE1P-250-001	desiccator Ø 250 mm	1
DE1P-300-001	desiccator Ø 300 mm	1





### Vacuum type desiccator, plastic stopcock

Polypropylene base and polycarbonate transparent lid. With a basket for dessicant (only available for 200mm diameter and 250 mm diameter models). Includes a silicon ring between lid and base to ensure sealing. Connector for 10 mm (200 and 250 models) and 8 mm (300 model) inner diameter tubing. Polypropylene plate included. See the spare parts available for these desiccators on our website: [www.labbox.com](http://www.labbox.com)

sales unit reference	description	pcs per sales unit
DE2P-200-001	desiccator Ø 200 mm (A)	1
DE2P-250-001	desiccator Ø 250 mm (A)	1
DE2P-300-001	desiccator Ø 300 mm (B)	1

### Parafilm M sealing film

Sealing film made of polyolefines and paraffin waxes. Service temperature from  $-45\text{ }^{\circ}\text{C}$  up to  $+50\text{ }^{\circ}\text{C}$  (melting point  $+60\text{ }^{\circ}\text{C}$ ). Resistant to saline solutions, most common inorganic acids and bases used in laboratory and some organics solvents (methanol, ethanol and 2-propanol). Not resistant to diethylether, chloroform, carbon tetrachloride, benzene or toluene



sales unit reference	description	pcs per sales unit
PRFL-001-001	Parafilm 38 m x 10 cm roll	1
"Saving package"		
PRFL-001-012	Parafilm 38 m x 10 cm roll	12

### Self-adhesive label tape

To label all kind of laboratory container. Resistant to water and most solvents and acids. Can be used in autoclave, freezer, refrigerator and oven. To label with pencil, pen or marker. When removed it does not leave residues. Internal roll diameter 76 mm



sales unit reference	type	pcs per sales unit
TAPE-B55-001	55 m x 19 mm roll, blue	1
TAPE-G55-001	55 m x 19 mm roll, green	1
TAPE-O55-001	55 m x 19 mm roll, orange	1
TAPE-R55-001	55 m x 19 mm roll, red	1
TAPE-W55-001	55 m x 19 mm roll, white	1
TAPE-Y55-001	55 m x 19 mm roll, yellow	1

### Indicator tape for sterilization

Self-adhesive tape with impregnated paper turning to colour when exposed to sterilization process. Tape turns from white to brown when exposed at  $120\text{ }^{\circ}\text{C}$  during 20 minutes, at  $125\text{ }^{\circ}\text{C}$  during 10 minutes or at  $135\text{ }^{\circ}\text{C}$  during 5 minutes



sales unit reference	description	pcs per sales unit
STAP-A55-001	55 m x 19 mm roll, for autoclave	1
"Saving package"		
STAP-A55-010	55 m x 19 mm roll, for autoclave	10



### Volumetric flask class A with plastic stopper

Made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	stopper	pcs per sales unit
VFK3-005-002	5 ml	± 0,04	10/19	2
VFK3-010-002	10 ml	± 0,04	10/19	2
VFK3-020-002	20 ml	± 0,04	10/19	2
VFK3-025-002	25 ml	± 0,04	10/19	2
VFK3-050-002	50 ml	± 0,06	12/21	2
VFK3-100-002	100 ml	± 0,10	14/23	2
VFK3-200-002	200 ml	± 0,15	14/23	2
VFK3-250-002	250 ml	± 0,15	14/23	2
VFK3-500-002	500 ml	± 0,25	19/26	2
VFK3-1K0-002	1000 ml	± 0,40	24/29	2
VFK3-2K0-001	2000 ml	± 0,60	29/32	1



### Volumetric flask class A with plastic stopper Premium Line

Made of top quality 3.3 borosilicate glass. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). Each flask has a batch number printed on the flask. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	stopper	pcs per sales unit
VFL3-005-002	5 ml	± 0,040	10/19	2
VFL3-010-002	10 ml	± 0,040	10/19	2
VFL3-020-002	20 ml	± 0,040	10/19	2
VFL3-025-002	25 ml	± 0,040	10/19	2
VFL3-050-002	50 ml	± 0,060	12/21	2
VFL3-100-002	100 ml	± 0,100	14/23	2
VFL3-200-002	200 ml	± 0,150	14/23	2
VFL3-250-002	250 ml	± 0,150	14/23	2
VFL3-500-002	500 ml	± 0,250	19/26	2
VFL3-1K0-002	1000 ml	± 0,400	24/29	2
VFL3-2K0-001	2000 ml	± 0,600	29/32	1



### Volumetric flask class A according to USP Premium Line

Made of top quality 3.3 borosilicate glass. With plastic stopper. Designed according to ISO 1042, DIN 12664, USP standards and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official German "H" sign on each flask according to DIN 12600. Calibrated to contain (TC, In). USP standards are more accurate than ISO 1042. Each flask has a batch number printed on the flask. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	stopper	pcs per sales unit
VFH3-005-002	5 ml	± 0,020	10/19	2
VFH3-010-002	10 ml	± 0,020	10/19	2
VFH3-020-002	20 ml	± 0,030	10/19	2
VFH3-025-002	25 ml	± 0,030	10/19	2
VFH3-050-002	50 ml	± 0,050	12/21	2
VFH3-100-002	100 ml	± 0,080	14/23	2
VFH3-200-002	200 ml	± 0,100	14/23	2
VFH3-250-002	250 ml	± 0,120	14/23	2
VFH3-500-002	500 ml	± 0,200	19/26	2
VFH3-1K0-002	1000 ml	± 0,300	24/29	2
VFH3-2K0-001	2000 ml	± 0,500	29/32	1



USP



**Volumetric flask class A according to USP with individual certificate Premium Line**

Made of top quality 3.3 borosilicate glass. With plastic stopper. Designed according to ISO 1042, DIN 12664 and USP standards. Calibrated to contain (TC, In). USP standards are more accurate than ISO 1042. Each flask has its own individual serial number printed on the flask. An individual calibration certificate showing the real volume of this particular flask is delivered



USP



sales unit reference	capacity	accuracy (ml)	stopper	pcs per sales unit
VFC3-005-001	5 ml	± 0,020	10/19	1
VFC3-010-001	10 ml	± 0,020	10/19	1
VFC3-020-001	20 ml	± 0,030	10/19	1
VFC3-025-001	25 ml	± 0,030	10/19	1
VFC3-050-001	50 ml	± 0,050	12/21	1
VFC3-100-001	100 ml	± 0,080	14/23	1
VFC3-200-001	200 ml	± 0,100	14/23	1
VFC3-250-001	250 ml	± 0,120	14/23	1
VFC3-500-001	500 ml	± 0,200	19/26	1
VFC3-1K0-001	1000 ml	± 0,300	24/29	1
VFC3-2K0-001	2000 ml	± 0,500	29/32	1

**Volumetric flask amber class A with plastic stopper Premium Line**

Made of top quality 3.3 amber borosilicate glass. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). Each flask has a batch number printed on the flask. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	stopper	pcs per sales unit
VFLA-005-002	5 ml	± 0,040	10/19	2
VFLA-010-002	10 ml	± 0,040	10/19	2
VFLA-020-002	20 ml	± 0,040	10/19	2
VFLA-025-002	25 ml	± 0,040	10/19	2
VFLA-050-002	50 ml	± 0,060	12/21	2
VFLA-100-002	100 ml	± 0,100	14/23	2
VFLA-200-002	200 ml	± 0,150	14/23	2
VFLA-250-002	250 ml	± 0,150	14/23	2
VFLA-500-002	500 ml	± 0,250	19/26	2
VFLA-1K0-002	1000 ml	± 0,400	24/29	2

**Volumetric flask, plastic, with screw stopper**

Polypropylene. Autoclavable at 121 °C

sales unit reference	capacity	pcs per sales unit
VFLP-025-006	25 ml	6
VFLP-050-006	50 ml	6
VFLP-100-006	100 ml	6
VFLP-250-003	250 ml	3
VFLP-500-003	500 ml	3
VFLP-1K0-002	1000 ml	2

**Pycnometer for solids**

Made of 3.3 borosilicate glass, calibrated at 20 °C

sales unit reference	capacity	accuracy (ml)	pcs per sales unit
SPY3-025-001	25 ml	± 2,0	1
SPY3-050-001	50 ml	± 3,0	1
SPY3-100-001	100 ml	± 3,0	1



### Pycnometer Gay-Lussac for liquids

Made of 3.3 borosilicate glass, according to ISO 3507 and calibrated at 20 °C

sales unit reference	capacity	accuracy (ml)	pcs per sales unit
PYC3-010-002	10 ml	± 1,0	2
PYC3-025-002	25 ml	± 2,0	2
PYC3-050-002	50 ml	± 3,0	2
PYC3-100-002	100 ml	± 3,0	2



### Measuring cylinder hexagonal base, class B

Made of borosilicate glass LBG 3.3 and designed according to ISO 4788. Calibrated to contain (TC, In). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	Ø (mm)	h (mm)	pcs per sales unit
MCH3-005-001	5 ml	± 0,1	0,1	13	112	1
MCH3-010-001	10 ml	± 0,2	0,2	14	137	1
MCH3-025-001	25 ml	± 0,5	0,5	21	167	1
MCH3-050-001	50 ml	± 1,0	1	25	196	1
MCH3-100-001	100 ml	± 1,0	1	29	256	1
MCH3-250-001	250 ml	± 2,0	2	43	305	1
MCH3-500-001	500 ml	± 5,0	5	53	360	1
MCH3-1K0-001	1000 ml	± 10	10	68	440	1
MCH3-2K0-001	2000 ml	± 20	20	85	500	1



### Measuring cylinder hexagonal base, class A, Premium Line

Made of top quality 3.3 borosilicate glass. In compliance with ISO 4788, USP and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official German "H" sign on each measuring cylinder according to DIN 12600. Calibrated to contain (TC, In). Each measuring cylinder has a batch number printed on it. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	pcs per sales unit
MCHA-010-001	10 ml	± 0,10	0,2	1
MCHA-025-001	25 ml	± 0,25	0,5	1
MCHA-050-001	50 ml	± 0,50	1	1
MCHA-100-001	100 ml	± 0,50	1	1
MCHA-250-001	250 ml	± 1,00	2	1
MCHA-500-001	500 ml	± 2,50	5	1
MCHA-1K0-001	1000 ml	± 5,00	10	1
MCHA-2K0-001	2000 ml	± 10,00	20	1



USP

### Measuring cylinder hexagonal base, with plastic stopper, class B

Made of borosilicate glass LBG 3.3 and designed according to ISO 4788. Calibrated to contain (TC, In). Ground mouth and plastic stopper. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	Ø (mm)	h (mm)	stopper	pcs per sales unit
MCHS-050-001	50 ml	± 1,0	1	25	196	14/23	1
MCHS-100-001	100 ml	± 1,0	1	29	256	24/29	1
MCHS-250-001	250 ml	± 2,0	2	43	305	29/32	1
MCHS-500-001	500 ml	± 5,0	5	53	360	45/40	1
MCHS-1K0-001	1000 ml	± 10	10	68	440	45/40	1



**Measuring cylinder hexagonal base, polypropylene, class B**

With raised graduations. Autoclavable at 121 °C

sales unit reference	capacity	graduation (ml)	Ø (mm)	h (mm)	pcs per sales unit
MCHP-010-012	10 ml	0,2	15	140	12
MCHP-025-012	25 ml	0,5	20	195	12
MCHP-050-012	50 ml	1	28	200	12
MCHP-100-012	100 ml	1	30	250	12
MCHP-250-006	250 ml	2	45	350	6
MCHP-500-004	500 ml	5	55	365	4
MCHP-1K0-003	1000 ml	10	70	440	3

**Imhoff cone for sedimentation**

Available in borosilicate glass 3.3 or in transparent plastic (SAN). Graduated



sales unit reference	description	pcs per sales unit
COI3-1K0-001	made of borosilicate glass 3.3	1
CONP-1K0-001	made of plastic (SAN)	1
<b>Accessories</b>		
CONP-RAC-001	stand made of PMMA, for 2 Imhoff cones	1
CONR-002-001	stand made of stainless steel, for 2 Imhoff cones	1
CONR-004-001	stand made of stainless steel, for 4 Imhoff cones	1

**Pipette stand, rotary**

Polypropylene. Suitable for pipettes up to 10 mm of diameter

sales unit reference	type	pcs per sales unit
PSRP-094-001	up to 94 pipettes	1

**Polystyrene serological pipette, sterile**

Made of crystal polystyrene and with color coded ring for a quick volume identification. Sterile by irradiation, non-pyrogenic and packed individually in paper/plastic bag (peel-pack). Cotton filter plug to protect pipetting devices. Graduations are calibrated for accurate dispensing within ±2%. Normal graduation (zero on top). Carton has been specially designed for efficient bench top dispensing with a removable perforated front panel. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	graduation (ml)	color code	pcs per sales unit
MPIP-U01-500	1 ml	0,01	yellow	500
MPIP-U02-500	2 ml	0,01	green	500
MPIP-U05-200	5 ml	0,1	blue	200
MPIP-U10-200	10 ml	0,1	red	200
MPIP-U25-150	25 ml	0,2	purple	150
MPIP-U50-100	50 ml	1	black	100

**Volumetric pipette with one mark, class A**

With coding band (according to ISO 1769), and designed according to ISO 648. Calibrated to deliver (TD, Ex). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	color code	pcs per sales unit
VPIA-001-006	1 ml	± 0,007	blue	6
VPIA-002-006	2 ml	± 0,01	orange	6
VPIA-005-006	5 ml	± 0,015	white	6
VPIA-010-006	10 ml	± 0,02	red	6
VPIA-015-006	15 ml	± 0,025	green	6
VPIA-020-006	20 ml	± 0,03	yellow	6
VPIA-025-006	25 ml	± 0,03	blue	6
VPIA-050-001	50 ml	± 0,05	red	1
VPIA-100-001	100 ml	± 0,08	yellow	1

### Volumetric pipette with one mark, class A, according to USP Premium Line

NEW



With coding band (according to ISO 1769), and designed according to ISO 648 standards, USP standards and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official German "H" sign on each volumetric pipette according to DIN 12600. USP standards are more accurate than ISO 1042. Calibrated to deliver (TD, Ex) at + 20 °C. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	color code	pcs per sales unit
VPIH-001-005	1 ml	± 0,006	blue	5
VPIH-002-005	2 ml	± 0,006	orange	5
VPIH-005-005	5 ml	± 0,010	white	5
VPIH-010-005	10 ml	± 0,02	red	5
VPIH-020-005	20 ml	± 0,03	yellow	5
VPIH-025-005	25 ml	± 0,03	blue	5
VPIH-050-005	50 ml	± 0,05	red	5
VPIH-100-005	100 ml	± 0,08	yellow	5

### Volumetric pipette with two marks, class A

With coding band (according to ISO 1769), and designed according to ISO 648. Calibrated to deliver (TD, Ex). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	color code	pcs per sales unit
VPI2-001-006	1 ml	± 0,007	blue	6
VPI2-002-006	2 ml	± 0,01	orange	6
VPI2-005-006	5 ml	± 0,015	white	6
VPI2-010-006	10 ml	± 0,02	red	6
VPI2-015-006	15 ml	± 0,025	green	6
VPI2-020-006	20 ml	± 0,03	yellow	6
VPI2-025-006	25 ml	± 0,03	blue	6
VPI2-050-001	50 ml	± 0,05	red	1
VPI2-100-001	100 ml	± 0,08	yellow	1

### Glass measuring pipette, class A

Measuring pipette with coding band (ISO 1769), designed according to ISO 835. Calibrated to deliver (TD, Ex). Normal graduation (zero on top). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	color code	pcs per sales unit
MPIA-0A1-005	0,1 ml	± 0,002	0,001	green	5
MPIA-0A2-005	0,2 ml	± 0,003	0,002	white	5
MPIA-0A5-005	0,5 ml	± 0,006	0,005	green	5
MPIA-001-005	1 ml	± 0,008	0,01	yellow	5
MPIA-002-005	2 ml	± 0,012	0,02	black	5
MPIA-005-005	5 ml	± 0,025	0,05	red	5
MPIA-010-005	10 ml	± 0,05	0,1	orange	5
MPIA-020-005	20 ml	± 0,1	0,1	yellow	5
MPIA-025-005	25 ml	± 0,1	0,1	white	5

### Pipette sterilising can

Made of stainless steel

sales unit reference	∅ (mm)	h (cm)	pcs per sales unit
STPS-R50-001	50	50	1



**Glass measuring pipette, class A with safety bulb Premium Line**

Measuring pipette with coding band (ISO 1769), designed according to ISO 835. Available with normal graduation (zero at top) or inverted graduation (zero at tip). Indelible amber graduation. Calibrated to deliver (TD, Ex). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	color code	pcs per sales unit
<b>Zero at the top</b>					
MPI2-001-005	1 ml	± 0,006	0,01	yellow	5
MPI2-002-005	2 ml	± 0,010	0,01	black	5
MPI2-005-005	5 ml	± 0,030	0,05	red	5
MPI2-010-005	10 ml	± 0,050	0,10	orange	5
MPI2-020-004	20 ml	± 0,100	0,10	yellow	4
MPI2-025-004	25 ml	± 0,100	0,10	white	4
<b>Zero at the bottom</b>					
MPI2-P01-005	1 ml	± 0,006	0,01	yellow	5
MPI2-P02-005	2 ml	± 0,010	0,01	black	5
MPI2-P05-005	5 ml	± 0,030	0,05	red	5
MPI2-P10-005	10 ml	± 0,050	0,10	orange	5
MPI2-P20-004	20 ml	± 0,100	0,10	yellow	4
MPI2-P25-004	25 ml	± 0,100	0,10	white	4

**Automatic table burette class A Premium Line**

Made of top quality 3.3 borosilicate glass. With two PTFE stopcock and transparent filling reservoir. Richardson bulb included. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	reservoir bottle	ground	pcs per sales unit
ABU3-010-001	10 ml	± 0,03	0,05	500 ml	24/29	1
ABU3-025-001	25 ml	± 0,05	0,10	2000 ml	29/32	1
ABU3-050-001	50 ml	± 0,05	0,10	2000 ml	29/32	1

**Richardson bulb for automatic burettes**

Made of red rubber. With a net around the bulb

sales unit reference	capacity	type	pcs per sales unit
RBER-001-001	500 ml	small	1
RBER-002-001	1000 ml	big	1

**Burette clamps**

Available made of polypropylene and painted aluminium

sales unit reference	type	pcs per sales unit
BCFP-001-001	made in polypropylene for 1 burette	1
BCFP-002-001	made in polypropylene for 2 burettes	1
BCFS-002-001	made in painted aluminium for 2 burettes	1

**BATCH CERTIFICATES**

All volumetric glassware material (measuring cylinders, flasks, pipettes and burettes) made on the same production date do have the same batch number. During the quality control process each piece is verified individually, dismissing those not fulfilling the maximum tolerances permitted. The batch certificate mention the average value obtained for all the pieces of the same batch, the standard deviation and the control date.

This batch certificate can be downloaded free of charge at [www.labbox.com](http://www.labbox.com)

**INDIVIDUAL CALIBRATION CERTIFICATE**

Glassware with an individual certificate do have an individual serial number added to the batch number. They are delivered with a certificate showing the real volume of this particular flask.



**Burette with glass straight stopcock, class A**

Designed according to ISO 385 and calibrated to deliver (TD, Ex). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	pcs per sales unit
BURN-010-001	10 ml	± 0,025	0,05	1
BURN-025-001	25 ml	± 0,05	0,1	1
BURN-050-001	50 ml	± 0,05	0,1	1

**Burette with PTFE straight stopcock, class A**

Designed according to ISO 385 and calibrated to deliver (TD, Ex). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	pcs per sales unit
BURT-010-001	10 ml	± 0,025	0,05	1
BURT-025-001	25 ml	± 0,05	0,1	1
BURT-050-001	50 ml	± 0,05	0,1	1
BURT-100-001	100 ml	± 0,1	0,2	1

**Burette with screw type needle valve PTFE stopcock, class A, Premium Line**

Manufactured with top quality 3.3 borosilicate glass and calibrated to deliver (TD, Ex). The batch number is printed on each burette. In compliance with ISO 385 and USP. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	pcs per sales unit
BURS-010-001	10 ml	± 0,03	0,05	1
BURS-025-001	25 ml	± 0,05	0,10	1
BURS-050-001	50 ml	± 0,05	0,10	1

**Burette with screw type needle valve PTFE stopcock, Schellbach type, class A, Premium Line**

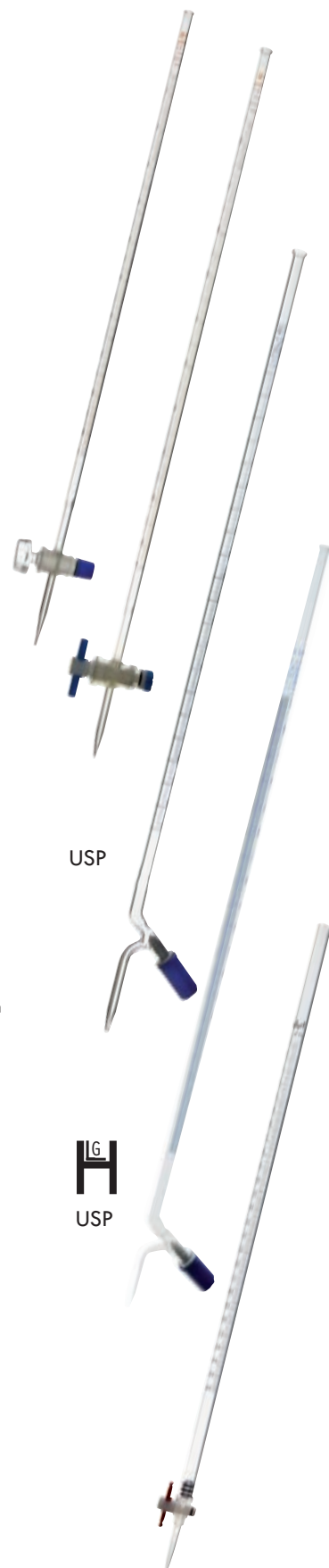
Manufactured with top quality 3.3 borosilicate glass and calibrated to deliver (TD, Ex). The batch number is printed on each burette. In compliance with ISO 385, USP and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official German "H" sign on each burette according to DIN 12600. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	accuracy (ml)	graduation (ml)	pcs per sales unit
BUBS-010-001	10 ml	± 0,03	0,05	1
BUBS-025-001	25 ml	± 0,05	0,10	1
BUBS-050-001	50 ml	± 0,05	0,10	1

**Plastic Burette with PTFE straight stopcock**

Transparent body made of PMMA (polymethylmethacrylate) and self-lubricated PTFE stopcock. The acrylic body is resistant to diluted acids and bases, except HCl and NaOH

sales unit reference	capacity	accuracy (ml)	graduation (ml)	pcs per sales unit
BURP-025-001	25 ml	± 0,05	0,1	1
BURP-050-001	50 ml	± 0,05	0,1	1
BURP-100-001	100 ml	± 0,05	0,2	1



USP  
H  
USP



## Glass Pasteur pipettes

Made of soda-lime glass

sales unit reference	l (mm)	pcs per sales unit
PIPN-150-250	150	250
PIPN-230-250	230	250
<b>"Saving package"</b>		
PIPN-150-2K0	150	2000
PIPN-230-2K0	230	2000

## Rubber bulb for glass Pasteur pipettes

Made of natural latex rubber

sales unit reference	capacity	l (mm)	pcs per sales unit
TELX-002-100	2 ml	40	100

## Polyethylene graduated transfer Pasteur pipettes, sterile

Individually wrapped in peel-pack packaging. EO (Ethylene oxide) sterilized. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	description	pcs per sales unit
PIPP-E01-1K0	graduated each 0.25 ml up to 1 ml, overall vol. 5 ml	1000
PIPP-E03-1K0	graduated each 0.5 ml up to 3 ml, overall vol. 7 ml	1000

## Polyethylene graduated transfer Pasteur pipettes, non-sterile

Packed in dispenser box

sales unit reference	description	pcs per sales unit
PIPP-001-500	graduated each 0.25 ml up to 1 ml, overall vol. 5 ml	500
PIPP-002-500	graduated each 0.5 ml up to 2 ml, overall vol. 5 ml	500
PIPP-003-500	graduated each 0.5 ml up to 3 ml, overall vol. 7 ml	500
<b>"Saving package"</b>		
PIPP-001-5K0	graduated each 0.25 ml up to 1 ml, overall vol. 5 ml	5000
PIPP-003-5K0	graduated each 0.5 ml up to 3 ml, overall vol. 7 ml	5000

## Polyethylene non-graduated transfer Pasteur pipettes, non-sterile

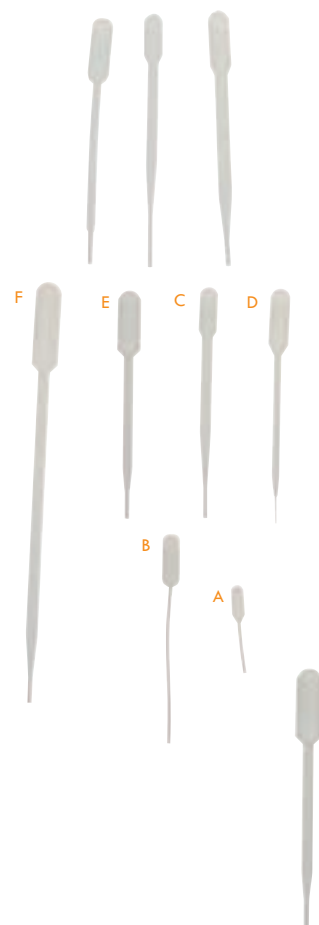
Packed in dispenser box

sales unit reference	description	pcs per sales unit
PIPP-012-1K0	overall vol. 1.2 ml, length: 65 mm (A)	1000
PIPP-045-500	overall vol. 4.5 ml, length: 155 mm, 25 drops/ml (B)	500
PIPP-050-500	overall vol. 5 ml, length: 155 mm, 23 drops/ml (C)	500
PIPP-058-500	fine tip, overall vol. 5.8 ml, length: 156 mm, 50 drops/ml (D)	500
PIPP-080-250	overall vol. 8 ml, length: 157 mm, 20 drops/ml (E)	250
PIPP-230-100	extra-large, overall vol. 23 ml, length: 300 mm (F)	100

## Polyethylene non-graduated transfer Pasteur pipettes, sterile

Individually wrapped in flow-pack packaging. EO (Ethylene oxide) sterilized. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	description	pcs per sales unit
PIPP-E80-1K0	overall vol. 8 ml, length: 157 mm, 20 drops/ml	1000





### Disposable syringes, sterile

Two-part. Luer cone. Single packed. EO (Ethylene oxide) sterilized. According to GMP, ISO 9000, DIN 13097-13099. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

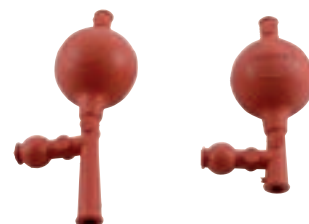


sales unit reference	capacity	pcs per sales unit
SYRI-002-100	2 ml	100
SYRI-005-100	5 ml	100
SYRI-010-100	10 ml	100
SYRI-020-050	20 ml	50

### EASY 5 rubber pipette filler

Red natural rubber. With 3 valves for filling, delivery and air release

sales unit reference	type	pcs per sales unit
EASS-001-001	standard: for pipettes up to 10 ml	1
EASS-002-001	long: for pipettes up to 100 ml	1
"Saving package"		
EASS-001-025	standard: for pipettes up to 10 ml	25
EASS-002-025	long: for pipettes up to 100 ml	25



### EASY 8 pipette pump filler

ABS made. With wheel and piston, for easy one-hand control of filling and delivery from any glass or plastic pipettes

sales unit reference	type	pcs per sales unit
EAS8-002-001	blue: up to 2 ml pipettes	1
EAS8-010-001	green: up to 10 ml pipettes	1
EAS8-025-001	red: up to 25 ml pipettes	1
"Saving package"		
EAS8-002-010	blue: up to 2 ml pipettes	10
EAS8-010-010	green: up to 10 ml pipettes	10
EAS8-025-010	red: up to 25 ml pipettes	10



### EASY 9 pipette controller with filter

To fill and dispense liquid in glass and plastic pipettes from 0.1 to 100 ml. Autoclavable silicone pipette holder. Includes an inner 3.0 µm spare part filter to prevent liquid entrance

sales unit reference	type	pcs per sales unit
EAS9-001-001	for 0.1 - 100 ml pipettes	1
Accessories and spare parts		
EAS9-FIL-002	3.0 µm filter for EASY 9	2



### Electronic pipette filling device EASY 60+

For easy, secure and efficient liquid filling and delivery. An inner PTFE 0.2 µm filter and a security valve prevent any liquid entrance in the device. The cone fixing the pipettes is autoclavable up to 121 °C. Can be used with glass or plastic pipettes from 0.1 to 200 ml. Easy to use, ergonomic and one-hand control. Wall hanger device and rechargeable internal battery included. 1 year warranty

sales unit reference	description	pcs per sales unit
EASY-P60-001	EASY 60+ Pipette filling device, 230 V	1
Accessories and spare parts		
EASY-FIL-005	EASY 60+ spare filter	5
EASY-CON-001	EASY 60+ spare fixing cone made of silicone	1
EASY-BAT-002	set of 2 Ni-MH batteries for EASY 60+	2



NEW

### EASY 20K bottle top dispenser

Excellent chemical resistance. Made of PTFE, 3.3 borosilicate glass, polypropylene and FEP. High reproducibility of the volumes. The instrument can be screwed directly onto a GL 45 screwthread, for other bottles, use the accompanying adapters for the most common threads in laboratory bottles. Easy to clean and maintain. Autoclavable at 121 °C. This instrument is designed for dispensing liquids, observing the following limits: temperature range: -15 to 40 °C of instrument and reagent, vapor pressure up to 500 mbar, density up to 2.2 g/cm<sup>3</sup> and the viscosity up to 500 mm<sup>2</sup>/s

sales unit reference	capacity (ml)	incr. (ml)	accu. (ml)	prec. (ml)	adapters	pcs per sales unit
EAS2-K05-001	0,5 - 5,0 ml	0,10 ml	± 0,025 ml	0,005 ml	GL 25, 28, 32, 38, S40	1
EAS2-K10-001	1,0 - 10,0 ml	0,20 ml	± 0,05 ml	0,010 ml	GL 25, 28, 32, 38, S40	1
EAS2-K25-001	2,5 - 25,0 ml	0,50 ml	± 0,125 ml	0,025 ml	GL 32, 38, S40	1
EAS2-K50-001	5,0 - 50,0 ml	1,00 ml	± 0,250 ml	0,050 ml	GL 32, 38, S40	1

### Fixed volume micropipette EASY 30 +

Reduced weight, ergonomic design and smooth pushing system to minimize hand and finger tiredness. Minimum body heat transfer to internal parts for high accuracy even during continuous use. Autoclavable tip cone. Each micropipette has been individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial number and delivered with a calibration report. See the spare parts available for these micropipettes on our website: [www.labbox.com](http://www.labbox.com). 1 year warranty

sales unit reference	capacity	accuracy	precision	pcs per sales unit
EASC-10P-001	100 µl	±0,5%	±0,3%	1
EASC-20P-001	200 µl	±0,4%	±0,2%	1
EASC-50P-001	500 µl	±0,3%	±0,2%	1
EASC-1KP-001	1000 µl	±0,3%	±0,15%	1

Accessories and spare parts

EASS-P04-001	stand for 4 micropipettes EASY	1
EASS-P06-001	stand for 6 micropipettes EASY	1

### Variable volume micropipette EASY 40 +

Reduced weight, ergonomic design and smooth pushing system to minimize hand and finger tiredness. Minimum body heat transfer to internal parts for high accuracy even during continuous use. Autoclavable tip cone. Accurate volume adjustment with an audible "click" signal to avoid mistakes. Each micropipette has been individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial number and delivered with a calibration report. See the spare parts available for these micropipettes on our website: [www.labbox.com](http://www.labbox.com). 1 year warranty

sales unit reference	capacity	increment	accuracy	precision	pcs per sales unit
EASD-P02-001	0,1 - 2,5 µl	0,01 µl	±12,0% - 2,5%	±6,0% - 1,6%	1
EASD-P10-001	0,5 - 10 µl	0,1 µl	±2,5% - 1,0%	±1,5% - 0,8%	1
EASD-P20-001	2 - 20 µl	0,1 µl	±2,0% - 1,8%	±2,0% - 0,4%	1
EASD-P50-001	5 - 50 µl	0,5 µl	±3,0% - 0,9%	±2,0% - 0,3%	1
EASD-10P-001	10 - 100 µl	0,5 µl	±3,0% - 0,8%	±1,5% - 0,15%	1
EASD-20P-001	20 - 200 µl	1,0 µl	±2,0% - 0,6%	±0,8% - 0,15%	1
EASD-1KP-001	100 - 1000 µl	5,0 µl	±2,0% - 0,6%	±0,7% - 0,2%	1
EASD-5KP-001	500 - 5000 µl	50,0 µl	±2,0% - 0,5%	±0,6% - 0,2%	1

Accessories and spare parts

EASS-P04-001	stand for 4 micropipettes EASY	1
EASS-P06-001	stand for 6 micropipettes EASY	1

### Variable volume micropipette *EASY 40 smart*

Fully autoclavable without disassembling. Enhanced UV resistance against chemical and physical corrosion  
Light weight, ergonomic design and easy in operating. Pipette handle is coated with thermoplastic elastomer to prevent body heat transfer to internal parts for a higher accuracy even during continuous use. Clear 4 digit display for small increments and wider volume selection options. Locking mechanism prevents accidental volume change during pipetting. Supplied with individual quality certificate (QC) and calibration report according to ISO 8655. 1 year warranty

sales unit reference	capacity	increment	accuracy	precision	pcs per sales unit
EASD-M50-001	5 - 50 µl	0,1 µl	±2,0% - 0,6%	±2,0% - 0,3%	1
EASD-10M-001	10 - 100 µl	0,1 µl	±3,0% - 0,8%	±1,0% - 0,2%	1
EASD-20M-001	20 - 200 µl	0,2 µl	±2,5% - 0,6%	±0,7% - 0,2%	1
EASD-1KM-001	100 - 1000 µl	0,1 µl	±3,0% - 0,6%	±0,6% - 0,2%	1
EASD-5KM-001	500 - 5000 µl	10,0 µl	±2,0% - 0,5%	±0,6% - 0,2%	1

Accessories and spare parts

EASS-C06-001	stand for 6 pipettes <i>EASY 40 smart</i>	1
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### REVOLUTION variable volume electronic micropipette

Designed for maximum performance, accuracy and simple operation. The microprocessor-based system reduces the possibility for human error. Adequate for standard pipetting, reverse pipetting, standard dispensing, multiple dispensing, sequential dispensing and standard diluting. Reduced weight, ergonomic design and smooth pushing system to minimize hand and finger tiredness. All programmings and functions of the Revolution is done by one patented user-friendly innovative knob (job-dial). Easy selfcalibration system where the user can calibrate his system for solutions of different viscosities. Each electronic micropipette has been individually calibrated according to EN-ISO 8655 standard. 1 year warranty. Delivery time 3 weeks

sales unit reference	capacity	increment	accuracy	precision	pcs per sales unit
EASR-010-001	0,2 - 10 µl	0,01 µl	±5% - 0,9%	±6% - 0,5%	1
EASR-100-001	5 - 100 µl	0,1 µl	±2,5% - 0,4%	±1,5% - 0,5%	1
EASR-200-001	10 - 200 µl	0,2 µl	±0,9% - 0,3%	±0,5% - 0,1%	1
EASR-1K0-001	50 - 1000 µl	1,0 µl	±0,4% - 0,3%	±0,5% - 0,1%	1
EASR-5K0-001	100 - 5000 µl	5,0 µl	±0,4% - 0,1%	±0,5% - 0,1%	1

### *EASY 10* fixed volume mini-micropipettes

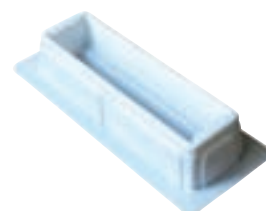
Fully autoclavable. An economical alternative to conventional micropipettes when the intended use is temporary. A more accurate dosing alternative to the common single use plastic Pasteur pipettes. Light and compact (13 cm long, only 10 g weight). Its size is comparable to a syringe but so easy to manage like a micropipette. 2 steps dispensing as conventional micropipettes. Mostly all brand tips can be used. Each unit has been individually calibrated according to ISO 8655

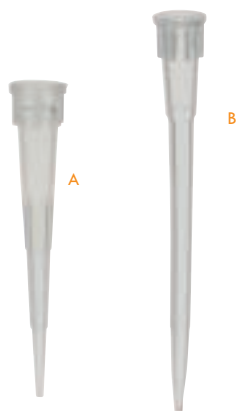
sales unit reference	capacity	accuracy	precision	pcs per sales unit
EASA-005-001	5 µl	± 1,5%	≤1,0%	1
EASA-010-001	10 µl	± 1,0%	≤1,0%	1
EASA-020-001	20 µl	± 0,5%	≤0,5%	1
EASA-025-001	25 µl	± 0,5%	≤0,5%	1
EASA-050-001	50 µl	± 0,4%	≤0,3%	1
EASA-100-001	100 µl	± 0,3%	≤0,3%	1
EASA-200-001	200 µl	± 0,3%	≤0,2%	1
EASA-250-001	250 µl	± 0,3%	≤0,2%	1

### Reagent reservoir

Polypropylene reservoirs for Multichannel pipetting. Available in 50 non-sterile units bag or in sterile by ethylene oxide single-pack. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	l (mm)	w (mm)	h (mm)	type	pcs per sales unit
RTIP-051-010	50 ml	148	61	26	non-sterile	10
RTIP-E51-250	50 ml	148	61	26	sterile single wrapped	250

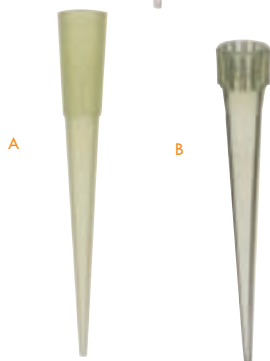




**Micropipette tips, polypropylene, 0,5 - 10 µl Standard Line**

Loose tips in bags. Two types available: Gilson type (compatible for EASY, Gilson, HTL, Biohit, Finnpiquette, Jencons, Genex, Nichiryo, Kartell) and Eppendorf type (compatible for Eppendorf, Gilson, Biohit, Brand, Socorex, HTL). Natural color

sales unit reference	type	pcs per sales unit
TIPP-010-1K0	0.5 - 10 µl Gilson type (A)	1000
TIPP-011-1K0	0.5 - 10 µl Eppendorf type (B)	1000
"Saving package"		
TIPP-010-40K	0.5 - 10 µl Gilson type (A)	40000
TIPP-011-20K	0.5 - 10 µl Eppendorf type (B)	20000



**Micropipette tips, polypropylene, 2 - 200 µl Standard Line**

Loose tips in bags. Two models are available: Gilson type (compatible with EASY, Gilson, Eppendorf, HTL, Biohit, Finnpiquette, Jencons, Genex, Nichiryo, Kartell, Socorex) and Eppendorf type (compatible with Eppendorf, Socorex, Nichiryo, Biohit, Brand)

sales unit reference	type	pcs per sales unit
TIPP-200-1K0	2 - 200 µl Gilson type, yellow (A)	1000
TIPP-201-1K0	2 - 200 µl Eppendorf type, yellow (B)	1000
"Saving package"		
TIPP-200-10K	2 - 200 µl Gilson type, yellow (A)	10000
TIPP-201-10K	2 - 200 µl Eppendorf type, yellow (B)	10000

**Micropipette tips, polypropylene, 2 - 200 µl Standard Line in a rack**

Rack of 96 polypropylene tips in a transparent polycarbonate box and cover. Two models of tips available: Gilson type (compatible with EASY, Gilson, Eppendorf, HTL, Biohit, Finnpiquette, Jencons, Genex, Nichiryo, Kartell, Socorex) and Eppendorf type (compatible with Eppendorf, Socorex, Nichiryo, Biohit, Brand). Autoclavable at 121 °C

sales unit reference	type	pcs per sales unit
TIPB-200-096	2 - 200 µl Gilson type, yellow	96
TIPB-201-096	2 - 200 µl Eppendorf type, yellow	96
In 10 racks tower		
TIPB-200-960	2 - 200 µl Gilson type, yellow	960
TIPB-201-960	2 - 200 µl Eppendorf type, yellow	960

**Micropipette tips, polypropylene, 20 - 300 µl Standard Line**

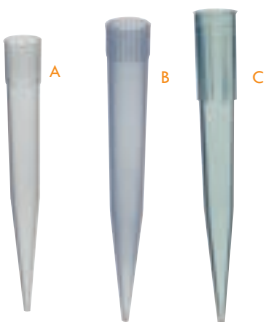
Loose tips in bags. Eppendorf type (compatible with Gilson, Eppendorf, Biohit, Brand, Treff, Nichiryo and Socorex) Natural color

sales unit reference	type	pcs per sales unit
TIPP-300-1K0	20 - 300 µl Eppendorf type	1000

**Micropipette tips, polypropylene, 100 - 1000 µl Standard Line**

Loose tips in bags. Three models available: Gilson type (specially designed for Gilson Pipetman), Eppendorf type (compatible with Eppendorf, Socorex, Nichiryo Biohit, Brand) and Universal type (compatible with EASY, Gilson, Eppendorf, HTL, Biohit, Finnpiquette, Jencons, Genex, Nichiryo, Kartell, Socorex)

sales unit reference	type	pcs per sales unit
TIPP-1K0-1K0	100 - 1000 µl Gilson type, blue (A)	1000
TIPP-1K1-1K0	100 - 1000 µl Eppendorf type, blue (B)	1000
TIPP-1K2-1K0	100 - 1000 µl universal type, blue (C)	1000
"Saving package"		
TIPP-1K0-10K	100 - 1000 µl Gilson type, blue (A)	10000
TIPP-1K1-10K	100 - 1000 µl Eppendorf type, blue (B)	10000
TIPP-1K2-10K	100 - 1000 µl universal type, blue (C)	10000



### Micropipette tips, polypropylene, 100 - 1000 µl Standard Line in a rack

Rack of 96 tips in a transparent polycarbonate box and cover. Gilson type tips (specially designed for Gilson Pipetman). Autoclavable at 121 °C

sales unit reference	type	pcs per sales unit
TIPB-1K0-096	100 - 1000 µl Gilson type, blue (A)	96
In 5 racks tower		
TIPB-1K0-480	100 - 1000 µl Gilson type, blue (A)	480



### Micropipette tips, polypropylene, 1-5 ml Standard Line

Loose tips in bags. Gilson type model, compatible with EASY 40 Smart, Gilson, Socorex. Natural color

sales unit reference	type	pcs per sales unit
TIPP-5K0-250	1 - 5 ml, Gilson type	250

### Micropipette tips, polypropylene, 0,1 - 10 µl Premium Line

High quality tips specifically designed for PCR. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Compatible with EASY, Gilson, HTL, Biohit, Brand, Treff, Hamilton, Finnpiquette, Microlite, Nichiryo, Oxford, Rainin and Socorex. Presented in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color

sales unit reference	type	pcs per sales unit
TIPD-010-096	0.1 - 10 µl PCR type sterile in rack	96
TIPD-010-1K0	0.1 - 10 µl PCR type non sterile in bag	1000
(10 racks of 96 tips each) "Saving package"		
TIPD-010-960	0.1 - 10 µl PCR type sterile in rack	960



### Micropipette tips, polypropylene, 0,5 - 20 µl Premium Line

High quality tips specifically designed to reach the bottom of narrow microtubes. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Compatible with EASY, Gilson, Eppendorf, HTL, Biohit, Brand, Treff, Hamilton, Finnpiquette, Microlite, Nichiryo, Oxford, Rainin and Socorex. Presented in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color

sales unit reference	type	pcs per sales unit
TIPD-020-096	0.5 - 20 µl long type sterile in rack	96
TIPD-020-1K0	0.5 - 20 µl long type non sterile in bag	1000
(10 racks of 96 tips each) "Saving package"		
TIPD-020-960	0.5 - 20 µl long type sterile in rack	960



### Micropipette tips, polypropylene, 1 - 200 µl Premium Line

High quality tips with graduation lines of 10, 50 and 100 µl serving as a visual reference to minimize errors during sample aspiration. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Innovative internal geometry making a universal compatibility with virtually all brands of micropipettes including EASY, Gilson, Eppendorf, HTL, Biohit, Brand, Treff, Hamilton, Finnpiquette, Microlite, Nichiryo, Oxford, Rainin and Socorex. Presented in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color

sales unit reference	type	pcs per sales unit
TIPD-200-096	1 - 200 µl universal type sterile in rack	96
TIPD-200-1K0	1 - 200 µl universal type non sterile in bag	1000
(10 racks of 96 tips each) "Saving package"		
TIPD-200-960	1 - 200 µl universal type sterile in rack	960





**Micropipette tips, polypropylene, 5 - 300 µl Premium Line**

High quality tips free of human DNA and certified free from DNase, RNase and PCR inhibitors. Compatible with virtually all brands of micropipettes including EASY, Axygene, HTL, Gilson, Eppendorf, Biohit, Brand, Treff, Hamilton, Thermo LabSystems Finnpiptette, Microlit, Nichiryo, Oxford, Rainin and Socorex. Presented in bags. Natural color

sales unit reference	type	pcs per sales unit
TIPD-300-1K0	5 - 300 µl universal type non sterile in bag	1000

**Micropipette tips, polypropylene, 100 - 1000 µl Premium Line**

High quality tips with graduation lines of 100, 250 y 500 µl serving as a visual reference to minimize errors during sample aspiration. Narrow and long design to reach the bottom of narrow tubes. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Innovative internal geometry making a universal compatibility with virtually all brands of micropipettes including EASY, Gilson, Eppendorf, HTL, Biohit, Brand, Treff, Hamilton, Finnpiptette, Microlite, Nichiryo, Oxford, Rainin and Socorex. Presented in sterile polypropylene racks and bags of 500 non-sterile tips. Natural color

sales unit reference	type	pcs per sales unit
TIPD-1K0-096	100 - 1000 µl universal type sterile in rack	96
TIPD-1K0-500	100 - 1000 µl universal type non sterile in bag	500
(10 racks of 96 tips each) "Saving package"		
TIPD-1K0-960	100 - 1000 µl universal type sterile in rack	960

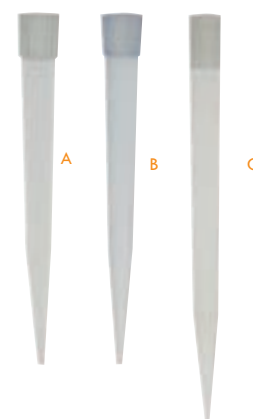
**RECOMMENDED TIPS FOR EASY MICROPIPETTES**

	Standard Line	Premium Line	Premium Line ULR	Filtered Premium Line	Filtered Premium Line ULR
<b>EASY 30+</b>					
EASC-10P-001	TIPP-200-***	TIPD-200-***	TIPU-200-***	TIPF-100-***	TIPL-200-***
EASC-20P-001	TIPP-200-***	TIPD-200-***	TIPU-200-***	TIPF-200-***	TIPL-200-***
EASC-50P-001	TIPP-1K0-***, TIPP-1K2-***	TIPD-1K0-***	TIPU-1K0-***	TIPF-1K0-***	TIPL-1K0-***
EASC-1KP-001	TIPP-1K0-***, TIPP-1K2-***	TIPD-1K0-***	TIPU-1K0-***	TIPF-1K0-***	TIPL-1K0-***
<b>EASY 40+</b>					
EASD-P02-001	TIPP-010-***	TIPD-010-***	TIPU-010-***	TIPF-010-***	TIPL-010-***
EASD-P10-001	TIPP-010-***	TIPD-010-***	TIPU-010-***	TIPF-010-***	TIPL-010-***
EASD-P20-001	TIPP-010-***	TIPD-020-***	TIPU-020-***	TIPF-020-***	TIPL-020-***
EASD-P50-001	TIPP-200-***	TIPD-200-***	TIPU-200-***	TIPF-100-***	TIPL-200-***
EASD-10P-001	TIPP-200-***	TIPD-200-***	TIPU-200-***	TIPF-100-***	TIPL-200-***
EASD-20P-001	TIPP-200-***	TIPD-200-***	TIPU-200-***	TIPF-200-***	TIPL-200-***
EASD-1KP-001	TIPP-1K0-***	TIPD-1K0-***	TIPU-1K0-***	TIPF-1K0-***	TIPL-1K0-***
EASD-5KP-001		TIPD-5K0-***			
<b>EASY 40 smart</b>					
EASD-M50-001	TIPP-200-***	TIPD-200-***	TIPU-200-***	TIPF-100-***	TIPL-200-***
EASD-10M-001	TIPP-200-***	TIPD-200-***	TIPU-200-***	TIPF-100-***	TIPL-200-***
EASD-20M-001	TIPP-200-***	TIPD-200-***	TIPU-200-***	TIPF-200-***	TIPL-200-***
EASD-1KM-001	TIPP-1K0-***, TIPP-1K2-***	TIPD-1K0-***	TIPU-1K0-***	TIPF-1K0-***	TIPL-1K0-***
EASD-5KM-001	TIPP-5K0-***	TIPD-5K1-***			
<b>EASY 10</b>					
EASA-005-001	TIPP-011-***				
EASA-010-001	TIPP-011-***				
EASA-020-001	TIPP-200-***				
EASA-025-001	TIPP-200-***				
EASA-050-001	TIPP-200-***				
EASA-100-001	TIPP-200-***				
EASA-200-001	TIPP-1K0-***				
EASA-250-001	TIPP-1K0-***				
<b>REVOLUTION</b>					
EASR-010-001		TIPD-010-***			
EASR-100-001		TIPD-200-***	TIPU-200-***	TIPF-100-***	TIPL-200-***
EASR-200-001		TIPD-200-***	TIPU-200-***	TIPF-200-***	TIPL-200-***
EASR-1K0-001		TIPD-1K0-***	TIPU-1K0-***	TIPF-1K0-***	TIPL-1K0-***
EASR-5K0-001		TIPD-5K1-***			

### Micropipette tips, polypropylene, 0,1 - 5 ml Premium Line

High quality tips free of human DNA and certified free from DNase, RNase and PCR inhibitors. Presented in non-sterile bags. Three models available: Macro-Line 1 (compatible with EASY 40+, Biohit, Eppendorf, HTL, Axygene, Kartell, Oxford), Macro-Line 2 (compatible with EASY 40 Smart, Gilson, Nichiryo, Socorex) and Macro-Line 3 (compatible with Brand, Labsystems, Thermo, Treff). Natural color

sales unit reference	type	pcs per sales unit
TIPD-5K0-250	Macro-Line 1, 0,1 - 5 ml (A)	250
TIPD-5K1-250	Macro-Line 2, 0,1 - 5 ml (B)	250
TIPD-5K2-250	Macro-Line 3, 0,1 - 5,5 ml (C)	250



### Ultra Low Retention, micropipette tips, polypropylene, Premium Line

Ultra Low Retention ULR version of our Premium Line high quality tips. Liquid handling accuracy and precision are crucial to success in today's molecular biology laboratories, especially for DNA analysis and protein handling. A significant culprit of pipette inaccuracy is binding of sample. Our ULR-tips are covered by a new polymer that produces a "super slick surface" thus reducing the binding and increasing sample delivery accuracy. On average ULR tips reduces the tip retention by near 85 % and decreases the standard deviation of the retained volume by more than 75 %. For pipette compatibility refer to Premium Line tips. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Presented in sterile polypropylene racks. Natural color

sales unit reference	type	pcs per sales unit
TIPU-010-096	0.1 - 10 µl ULR PCR type sterile in rack (A)	96
TIPU-020-096	0.5 - 20 µl ULR long type sterile in rack (B)	96
TIPU-200-096	1 - 200 µl ULR universal type sterile in rack (C)	96
TIPU-1K0-096	100 - 1000 µl ULR universal type sterile in rack (D)	96



### Filtered micropipette tips, polypropylene, 0,1 - 10 µl Premium Line

High quality tips specifically designed for PCR. Filter pore size of 4 microns. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Compatible with EASY, Gilson, Eppendorf, HTL, Biohit, Brand, Treff, Hamilton, Finnpiptette, Microlite, Nichiryo, Oxford, Rainin and Socorex. Presented in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color

sales unit reference	type	pcs per sales unit
TIPF-010-096	0.1 - 10 µl with filter sterile in rack	96
TIPF-010-1K0	0.1 - 10 µl with filter non sterile in bag	1000
(10 racks of 96 tips each) "Saving package"		
TIPF-010-960	0.1 - 10 µl with filter sterile in rack	960



### Filtered micropipette tips, polypropylene, 0,5 - 20 µl Premium Line

High quality filtered tips specially designed to reach the bottom of narrow microtubes. Filter pore size of 4 microns. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Compatible with EASY, Gilson, Eppendorf, HTL, Biohit, Brand, Treff, Hamilton, Finnpiptette, Microlite, Nichiryo, Oxford, Rainin and Socorex. Presented in sterile polypropylene racks. Natural color

sales unit reference	type	pcs per sales unit
TIPF-020-096	0.5 - 20 µl with filter sterile in rack	96
(10 racks of 96 tips each) "Saving package"		
TIPF-020-960	0.5 - 20 µl with filter sterile in rack	960



**Filtered micropipette tips, polypropylene, 1 - 100 and 1 - 200 µl Premium Line**

High quality tips with filter (pore size 4 microns). Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Innovative internal geometry making a universal compatibility with virtually all brands of micropipettes between including EASY, Gilson, Eppendorf, HTL, Biohit, Brand, Treff, Hamilton, Finnpiquette, Microlite, Nichiryo, Oxford, Rainin and Socorex. Presented in sterile polypropylene racks and bags of 1000 non-sterile tips. All models correspond to the same tips but with the filter placed at a different level varying the highest filling volume. Natural color



sales unit reference	type	pcs per sales unit
TIPF-100-096	1 - 100 µl with filter sterile in rack	96
TIPF-100-1K0	1 - 100 µl with filter non sterile in bag	1000
TIPF-200-096	1 - 200 µl with filter sterile in rack	96
TIPF-200-1K0	1 - 200 µl with filter non sterile in bag	1000
(10 racks of 96 tips each) "Saving package"		
TIPF-100-960	1 - 100 µl with filter sterile in rack	960
TIPF-200-960	1 - 200 µl with filter sterile in rack	960

**Filtered micropipette tips, polypropylene, 100 - 1000 µl Premium Line**

High quality tips with filter (pore size 4 microns). Narrow and long design to reach the bottom of narrow tubes Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Innovative internal geometry making a universal compatibility with virtually all brands of micropipettes including EASY, Gilson, Eppendorf, HTL, Biohit, Brand, Treff, Hamilton, Finnpiquette, Microlite, Nichiryo, Oxford, Rainin and Socorex. Presented in sterile polypropylene racks and bags of 500 non-sterile tips. Natural color



sales unit reference	type	pcs per sales unit
TIPF-1K0-096	100 - 1000 µl with filter sterile in rack	96
TIPF-1K0-500	100 - 1000 µl with filter non sterile in bag	500
(10 racks of 96 tips each) "Saving package"		
TIPF-1K0-960	100 - 1000 µl with filter sterile in rack	960

**Filtered Ultra Low Retention micropipette tips, polypropylene, Premium Line**

Ultra Low Retention ULR version of our. Premium Line high quality tips with filter. Liquid handling accuracy and precision are crucial to success in today's molecular biology laboratories, especially for DNA analysis and protein handling. A significant culprit of pipette inaccuracy is binding of sample. Our ULR-tips are covered by a new polymer that produces a "super slick surface" thus reducing the binding and increasing sample delivery accuracy. On average ULR tips reduces the tip retention by near 85 % and decreases the standard deviation of the retained volume by more than 75 %. For pipette compatibility refer to Premium Line filtered tips. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Presented in sterile polypropylene racks. Natural color



sales unit reference	type	pcs per sales unit
TIPL-010-096	0.1 - 10 µl ULR with filter PCR type sterile in rack (A)	96
TIPL-020-096	0.5 - 20 µl ULR with filter long type sterile in rack (B)	96
TIPL-200-096	1 - 200 µl ULR with filter universal type sterile in rack (C)	96
TIPL-1K0-096	100 - 1000 µl ULR with filter universal type sterile in rack (D)	96



## Glass beads

For boiling control and other laboratory uses

sales unit reference	Ø (mm)	accuracy (mm)	package	pcs per sales unit
BEAD-002-1K0	2	± 0,2	1 kg	1
BEAD-004-1K0	4	± 0,3	1 kg	1
BEAD-006-1K0	6	± 0,3	1 kg	1
BEAD-008-1K0	8	± 0,4	1 kg	1



## Boiling flask round bottom

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	joint ST/NS	pcs per sales unit
BFL3-005-001	5 ml	27	60	14/23	1
BFL3-010-001	10 ml	33	68	14/23	1
BFL3-025-001	25 ml	41	75	14/23	1
BFL3-050-001	50 ml	53	88	14/23	1
BFL3-052-001	50 ml	53	94	19/26	1
BFL3-051-001	50 ml	53	105	29/32	1
BFL3-100-001	100 ml	65	100	14/23	1
BFL3-102-001	100 ml	65	106	19/26	1
BFL3-103-001	100 ml	65	109	24/29	1
BFL3-101-001	100 ml	65	117	29/32	1
BFL3-251-001	250 ml	88	134	19/26	1
BFL3-252-001	250 ml	88	139	24/29	1
BFL3-250-001	250 ml	88	145	29/32	1
BFL3-502-001	500 ml	110	158	19/26	1
BFL3-500-001	500 ml	110	167	29/32	1
BFL3-1K0-001	1000 ml	140	199	29/32	1
BFL3-2K0-001	2000 ml	175	234	29/32	1
"Saving package"					
BFL3-005-012	5 ml	27	60	14/23	12
BFL3-010-012	10 ml	33	68	14/23	12
BFL3-025-012	25 ml	41	75	14/23	12
BFL3-050-012	50 ml	53	88	14/23	12
BFL3-052-012	50 ml	53	94	19/26	12
BFL3-051-012	50 ml	53	105	29/32	12
BFL3-100-012	100 ml	65	100	14/23	12
BFL3-102-012	100 ml	65	106	19/26	12
BFL3-103-012	100 ml	65	109	24/29	12
BFL3-101-012	100 ml	65	117	29/32	12
BFL3-251-010	250 ml	88	134	19/26	10
BFL3-252-010	250 ml	88	139	24/29	10
BFL3-250-010	250 ml	88	145	29/32	10
BFL3-502-006	500 ml	110	158	19/26	6
BFL3-500-006	500 ml	110	167	29/32	6
BFL3-1K0-006	1000 ml	140	199	29/32	6
BFL3-2K0-002	2000 ml	175	234	29/32	2



### Boiling flask flat bottom

Made of borosilicate glass LBG 3.3



sales unit reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	joint ST/NS	pcs per sales unit
BFF3-025-001	25 ml	41	75	14/23	1
BFF3-050-001	50 ml	53	88	14/23	1
BFF3-052-001	50 ml	53	94	19/26	1
BFF3-100-001	100 ml	65	100	14/23	1
BFF3-102-001	100 ml	65	106	19/26	1
BFF3-103-001	100 ml	65	109	24/29	1
BFF3-101-001	100 ml	65	117	29/32	1
BFF3-252-001	250 ml	88	134	19/26	1
BFF3-253-001	250 ml	88	139	24/29	1
BFF3-250-001	250 ml	88	145	29/32	1
BFF3-500-001	500 ml	110	167	29/32	1
BFF3-1K0-001	1000 ml	140	199	29/32	1
BFF3-2K0-001	2000 ml	175	234	29/32	1
"Saving package"					
BFF3-025-012	25 ml	41	75	14/23	12
BFF3-050-012	50 ml	53	88	14/23	12
BFF3-052-012	50 ml	53	94	19/26	12
BFF3-100-012	100 ml	65	100	14/23	12
BFF3-102-012	100 ml	65	106	19/26	12
BFF3-103-012	100 ml	65	109	24/29	12
BFF3-101-012	100 ml	65	117	29/32	12
BFF3-252-010	250 ml	88	134	19/26	10
BFF3-253-010	250 ml	88	139	24/29	10
BFF3-250-010	250 ml	88	145	29/32	10
BFF3-500-008	500 ml	110	167	29/32	8
BFF3-1K0-006	1000 ml	140	199	29/32	6
BFF3-2K0-002	2000 ml	175	234	29/32	2



### Cork flask stand

For rounded-bottom flasks

sales unit reference	Ø (mm)	type	pcs per sales unit
CORK-080-001	80	up to 100 ml flasks	1
CORK-100-001	100	up to 250 ml flasks	1
CORK-120-001	120	up to 500 ml flasks	1
CORK-140-001	140	up to 1000 ml flasks	1



### Polyethylene flask stand

For rounded-bottom flasks. High chemical resistance. Withstand up to 121 °C

sales unit reference	Ø (mm)	type	pcs per sales unit
FLSP-001-001	160	up to 10 L flasks	1

### Kjeldahl flask, standard ground mouth

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	Ø <sub>bulb</sub> (mm)	h (mm)	joint ST/NS	pcs per sales unit
NFK3-500-002	500 ml	107	310	29/32	2
NFK3-1K0-001	1000 ml	130	370	29/32	1

**Flask, round bottom with two necks**

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	central joint ST/NS	side joint ST/NS	pcs per sales unit
BF23-250-001	250 ml	88	145	29/32	14/23	1
BF23-252-001	250 ml	88	145	29/32	19/26	1
BF23-254-001	250 ml	88	145	19/26	19/26	1
BF23-253-001	250 ml	88	145	24/29	19/26	1
BF23-500-001	500 ml	110	167	29/32	14/23	1
BF23-502-001	500 ml	110	167	29/32	19/26	1
BF23-1K0-001	1000 ml	140	200	29/32	14/23	1
BF23-1K2-001	1000 ml	140	200	29/32	19/26	1



**Flask, round bottom with three necks (parallel)**

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	central joint ST/NS	side joint ST/NS	pcs per sales unit
BFS3-250-001	250 ml	88	145	29/32	14/23	1
BFS3-252-001	250 ml	88	145	29/32	19/26	1
BFS3-500-001	500 ml	110	167	29/32	14/23	1
BFS3-502-001	500 ml	110	167	29/32	19/26	1
BFS3-1K2-001	1000 ml	140	200	29/32	19/26	1
BFS3-1K0-001	1000 ml	140	200	29/32	29/32	1



**Flask, round bottom with three necks (side angle)**

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	central joint ST/NS	side joint ST/NS	pcs per sales unit
BFO3-250-001	250 ml	88	145	29/32	14/23	1
BFO3-252-001	250 ml	88	145	29/32	19/26	1
BFO3-254-001	250 ml	88	145	19/26	19/26	1
BFO3-253-001	250 ml	88	145	24/29	19/26	1
BFO3-500-001	500 ml	110	167	29/32	14/23	1
BFO3-502-001	500 ml	110	167	29/32	19/26	1
BFO3-1K0-001	1000 ml	140	200	29/32	14/23	1
BFO3-1K2-001	1000 ml	140	200	29/32	19/26	1
BFO3-1K1-001	1000 ml	140	200	29/32	29/32	1



**Evaporating flask standard ground mouth, Premium Line**

Manufactured with top quality 3.3 borosilicate glass. To be used in rotary evaporator

sales unit reference	capacity	h (mm)	joint ST/NS	pcs per sales unit
FLEG-051-001	50 ml	94	29/32	1
FLEG-101-001	100 ml	110	29/32	1
FLEG-250-001	250 ml	140	29/32	1
FLEG-500-001	500 ml	170	29/32	1
FLEG-1K0-001	1000 ml	210	29/32	1
FLEG-2K0-001	2000 ml	250	29/32	1





**Flask, pear shape, standard ground mouth**

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	Ø (mm)	h (mm)	joint ST/NS	pcs per sales unit
FLP3-010-001	10 ml	30	79	14/23	1
FLP3-025-001	25 ml	40	93	14/23	1
FLP3-050-001	50 ml	50	108	14/23	1
FLP3-100-001	100 ml	60	118	14/23	1

**Flask, Erlenmeyer, standard ground mouth**

Made of borosilicate glass LBG 3.3



sales unit reference	capacity	Ø (mm)	h (mm)	joint ST/NS	pcs per sales unit
CFL3-005-001	5 ml	25	50	14/23	1
CFL3-010-001	10 ml	32	60	14/23	1
CFL3-025-001	25 ml	42	70	14/23	1
CFL3-050-001	50 ml	51	85	14/23	1
CFL3-052-001	50 ml	51	85	19/26	1
CFL3-100-001	100 ml	64	105	14/23	1
CFL3-102-001	100 ml	64	105	19/26	1
CFL3-103-001	100 ml	64	105	24/29	1
CFL3-101-001	100 ml	64	105	29/32	1
CFL3-252-001	250 ml	85	135	19/26	1
CFL3-251-001	250 ml	85	135	24/29	1
CFL3-250-001	250 ml	85	128	29/32	1
CFL3-503-001	500 ml	105	170	24/29	1
CFL3-500-001	500 ml	105	165	29/32	1
CFL3-1K3-001	1000 ml	131	210	24/29	1
CFL3-1K0-001	1000 ml	131	210	29/32	1
CFL3-2K0-001	2000 ml	166	275	29/32	1

"Saving package"

CFL3-005-012	5 ml	25	50	14/23	12
CFL3-010-012	10 ml	32	60	14/23	12
CFL3-025-012	25 ml	42	70	14/23	12
CFL3-050-012	50 ml	51	85	14/23	12
CFL3-052-012	50 ml	51	85	19/26	12
CFL3-100-012	100 ml	64	105	14/23	12
CFL3-102-012	100 ml	64	105	19/26	12
CFL3-103-012	100 ml	64	105	24/29	12
CFL3-101-012	100 ml	64	105	29/32	12
CFL3-252-010	250 ml	85	135	19/26	10
CFL3-251-010	250 ml	85	135	24/29	10
CFL3-250-010	250 ml	85	128	29/32	10
CFL3-503-008	500 ml	105	170	24/29	8
CFL3-500-008	500 ml	105	165	29/32	8
CFL3-1K3-006	1000 ml	131	210	24/29	6
CFL3-1K0-006	1000 ml	131	210	29/32	6
CFL3-2K0-002	2000 ml	166	275	29/32	2

### Gas washing bottle, Drechsel

Made of borosilicate glass LBG 3.3. The complete set includes a body and a head. According to DIN 12596

sales unit reference	description	pcs per sales unit
GWS3-250-001	complete set 250 ml, 29/32	1
GWB3-250-001	body 250 ml, 29/32	1
GWH3-250-001	head for 250 ml body, 29/32, $\varnothing_{\text{tubing}}$ 8 mm	1
GWS3-500-001	complete set 500 ml, 29/32	1
GWB3-500-001	body 500 ml, 29/32	1
GWH3-500-001	head for 500 ml body, 29/32, $\varnothing_{\text{tubing}}$ 8 mm	1



### Condenser, straight shape (Liebig-West)

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

sales unit reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	joint ST/NS	pcs per sales unit
CSS3-080-002	80	175	14/23	2
CSS3-150-002	150	254	14/23	2
CSS3-200-002	200	305	14/23	2
CSS3-201-002	200	360	29/32	2
CSS3-202-002	200	360	19/26	2
CSS3-203-002	200	360	24/29	2
CSS3-300-002	300	460	29/32	2
CSS3-400-002	400	560	29/32	2
CSS3-500-001	500	660	29/32	1
CSS3-600-001	600	760	29/32	1



### Condenser with bulbed inner tube (Allihn)

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

sales unit reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	bulb quantity	joint ST/NS	pcs per sales unit
ALC3-150-002	150	235	4	14/23	2
ALC3-200-002	200	295	4	14/23	2
ALC3-201-002	200	360	4	29/32	2
ALC3-300-002	300	405	6	14/23	2
ALC3-301-002	300	460	6	29/32	2
ALC3-400-002	400	560	8	29/32	2
ALC3-500-001	500	660	10	29/32	1
ALC3-600-001	600	760	12	29/32	1



### Graham condenser (Inland Revenue)

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

sales unit reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	joint ST/NS	pcs per sales unit
CIC3-150-002	150	235	14/23	2
CIC3-200-002	200	295	14/23	2
CIC3-300-002	300	460	29/32	2
CIC3-400-002	400	560	29/32	2
CIC3-500-001	500	660	29/32	1
CIC3-600-001	600	760	29/32	1



### Dimroth condenser

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

sales unit reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	joint ST/NS	pcs per sales unit
DRO3-150-001	150	235	14/23	1
DRO3-200-001	200	295	14/23	1
DRO3-201-001	200	360	29/32	1
DRO3-300-001	300	460	29/32	1
DRO3-400-001	400	560	29/32	1
DRO3-500-001	500	660	29/32	1

### Dimroth condenser with PTFE screwthread connectors

Made of borosilicate glass LBG 3.3. Hose connector is GL 14 PTFE threaded and is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

sales unit reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	joint ST/NS	pcs per sales unit
DROT-200-001	200	295	14/23	1
DROT-300-001	300	460	29/32	1
DROT-400-001	400	560	29/32	1

Accessories and spare parts

DROT-A01-001	PTFE screwthread connector	1
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### Fractionating column, Vigreux

Made of borosilicate glass LBG 3.3. Without sleeve

sales unit reference	h (mm)	joint ST/NS	pcs per sales unit
VIG3-360-002	360	29/32	2

### Connection tube with two parallel necks

Made of borosilicate glass LBG 3.3

sales unit reference	central joint ST/NS	side joint ST/NS	pcs per sales unit
CON3-001-001	14/23	14/23	1
CON3-002-001	29/32	29/32	1

### Distilling head

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS (a)	joint ST/NS (b)	joint ST/NS (c)	pcs per sales unit
DIH3-001-001	14/23	14/23	14/23	1
DIH3-002-001	14/23	29/32	29/32	1
DIH3-003-001	29/32	29/32	29/32	1

### Kjeldahl bulb, standard ground mouth

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS	pcs per sales unit
SPB3-001-001	29/32	1

### Receiver adapter, plain, bent at 105°

Made of borosilicate glass LBG 3.3

sales unit reference	l (mm)	joint ST/NS	pcs per sales unit
ADA3-001-001	120	14/23	1
ADA3-002-001	150	29/32	1

**Receiver adapter, bent at 105°, with lateral hose**

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS	pcs per sales unit
REC3-001-001	14/23	1
REC3-002-001	29/32	1



**Reduction and expansion adapters**

Made of borosilicate glass LBG 3.3

sales unit reference	socket size (female)	cone size (male)	pcs per sales unit
EXA3-002-001	14/23	19/26	1
EXA3-003-001	14/23	24/29	1
EXA3-001-001	14/23	29/32	1
EXA3-004-001	19/26	24/29	1
EXA3-005-001	19/26	29/32	1
EXA3-006-001	24/29	29/32	1
REA3-002-001	19/26	14/23	1
REA3-003-001	24/29	14/23	1
REA3-004-001	24/29	19/26	1
REA3-001-001	29/32	14/23	1
REA3-005-001	29/32	19/26	1
REA3-006-001	29/32	24/29	1



**Receiver adapter, bent at 105°, with internal tube and lateral hose**

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS	pcs per sales unit
RET3-001-001	14/23	1
RET3-004-001	19/26	1
RET3-003-001	24/29	1
RET3-002-001	29/32	1



**Suction adapter**

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS	pcs per sales unit
SUC3-001-001	14/23	1
SUC3-002-001	29/32	1



**Plastic stopper, conical, with tubing connection**

Made of polypropylene. Includes two hose-adapters for Ø 8 mm tubing

sales unit reference	joint ST/NS	pcs per sales unit
STCP-001-001	29/32	1



**Hollow stopper, hexagonal head**

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS	pcs per sales unit
STH3-001-001	14/23	1
STH3-019-001	19/26	1
STH3-024-001	24/29	1
STH3-002-001	29/32	1





### Hollow stopper, standard ground mouth

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS	pcs per sales unit
STO3-001-001	14/23	1
STO3-002-001	29/32	1

### Plastic stopper for standard ground mouth

Made of polypropylene. Hollow. Autoclavable

sales unit reference	joint ST/NS	pcs per sales unit
STOP-014-010	14/23	10
STOP-019-010	19/26	10
STOP-024-010	24/29	10
STOP-029-010	29/32	10
STOP-045-010	45/40	10

### Distilling bend, 75° bent

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS	pcs per sales unit
DHE3-001-001	14/23	1
DHE3-002-001	29/32	1

### Connection piece, cone angle 90°

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS	pcs per sales unit
ADS3-001-001	14/23	1
ADS3-003-001	19/26	1
ADS3-004-001	24/29	1
ADS3-002-001	29/32	1

### Drying tube, oblique shape

Made of borosilicate glass LBG 3.3

sales unit reference	h (mm)	joint ST/NS	pcs per sales unit
DRY3-001-001	150	14/23	1
DRY3-003-001	150	19/26	1
DRY3-004-001	150	24/29	1
DRY3-002-001	150	29/32	1

### Funnel, standard ground mouth

Made of borosilicate glass LBG 3.3

sales unit reference	∅ <sub>top</sub> (mm)	joint ST/NS	pcs per sales unit
FUN3-040-001	40	14/23	1
FUN3-060-001	60	14/23	1





**Pressure equalizing dropping funnel, cylindrical, with PTFE stopcock**

Made of borosilicate glass LBG 3.3. Plastic stopper included

sales unit reference	capacity	socket size (female)	cone size (male)	pcs per sales unit
FTP3-100-001	100 ml	14/23	14/23	1
FTP3-102-001	100 ml	19/26	19/26	1

**Dropping funnel, cylindrical, standard ground mouth, with PTFE stopcock**

Made of borosilicate glass LBG 3.3. Plastic stopper included

sales unit reference	capacity	socket size (female)	cone size (male)	pcs per sales unit
FTY3-100-001	100 ml	14/23	14/23	1
FTY3-102-001	100 ml	19/26	19/26	1

**Glass probe/thermometer holder**

Made of borosilicate glass LBG 3.3

sales unit reference	joint ST/NS	type	pcs per sales unit
TPH3-006-001	14/23	for Ø 6-7 mm thermometers	1
TPH3-004-001	19/26	for Ø 6-7 mm thermometers	1
TPH3-007-001	29/32	for Ø 6-7 mm thermometers	1

**PTFE probe/thermometer holder**

Body is pure PTFE. Fully adjustable with replacement Viton seal

sales unit reference	type	pcs per sales unit
TPHT-006-001	14/23, for Ø 6 mm thermometers	1
TPHT-008-001	14/23, for Ø 8 mm thermometers	1
Accessories and spare parts		
TPHT-S06-005	spare joints for TPHT-006-001	5
TPHT-S08-005	spare joints for TPHT-008-001	5

**Conical head clip, plastic**

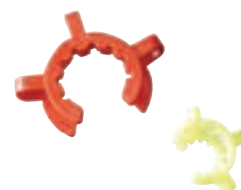
Manufactured in POM (Polyoxymethylene). Will not scratch glass surfaces

sales unit reference	type	pcs per sales unit
CHCP-014-010	yellow, for 14/23 joints	10
CHCP-019-010	blue, for 19/26 joints	10
CHCP-024-010	green, for 24/29 joints	10
CHCP-029-010	red, for 29/32 joints	10

**Conical head clip, steel**

Traditional clips made of steel wire

sales unit reference	type	pcs per sales unit
CHCS-014-010	for 14/23 joints	10
CHCS-019-010	for 19/26 joints	10
CHCS-024-010	for 24/29 joints	10
CHCS-029-010	for 29/32 joints	10





### labkem silicone grease LBSil 25 for ground glass joints

Silicone grease for the lubrication of ground glass joints, desiccators lids or glass stopcocks. Temperature range from -50 to 180 °C. LBSil 25 shows an excellent lubrication power and good resistance to cold and hot water and chemical agents. Packed in a plastic jar of 100 g (100 ml)

sales unit reference	type	pcs per sales unit
S025-100-001	LBSil 25, 100 g package	1

### Flexible PTFE sleeves for glass joints

Eliminate the use of grease. Withstand low to medium vacuum. Usable to 280 °C



sales unit reference	joint ST/NS	pcs per sales unit
PTST-014-010	14/23	10
PTST-019-010	19/26	10
PTST-024-010	24/29	10
PTST-029-010	29/32	10

### Simple distillation equipment set

Made of borosilicate glass LBG 3.3. This equipment is composed of 1 Liebig West, straight-shape condenser 250 mm, 1 round bottom flask of 250 ml, 1 bent connecting adapter with thermometer adapter, 1 bent distillation adapter, 1 thermometer (-10 + 110 °C) and all POM clips for 29/32 ground joints. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm



sales unit reference	description	pcs per sales unit
APP3-001-001	simple distillation kit	1

### Fractional distillation equipment set (with Vigreux column)

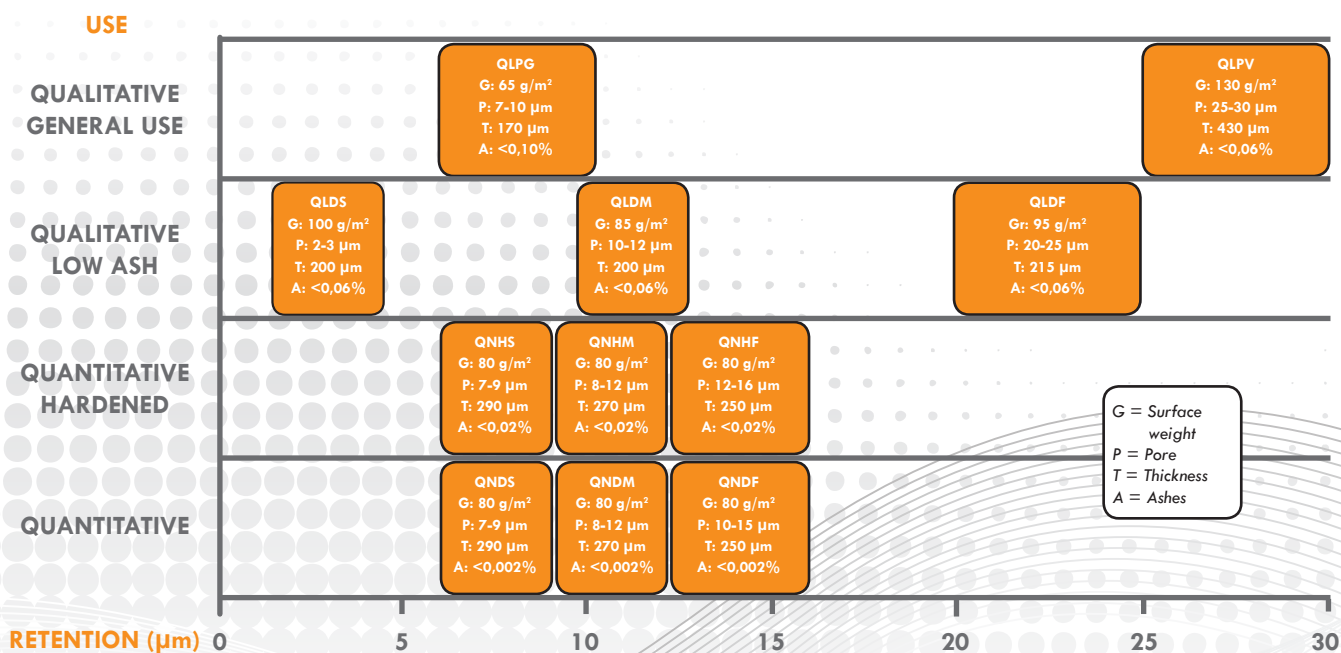
Made of borosilicate glass LBG 3.3. This equipment is composed of 1 Vigreux column, 1 Liebig West, straight-shape condenser 250 mm, 1 round bottom flask of 250 ml, 1 bent connecting adapter with thermometer adapter, 1 bent distillation adapter, 1 thermometer (-10 + 110 °C) and all POM clips for 29/32 ground joints. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm



sales unit reference	description	pcs per sales unit
APP3-002-001	fractional distillation kit	1

You can find other pieces of jointed glassware and accessories on our website: [www.labbox.com](http://www.labbox.com)

## TECHNICAL SPECIFICATIONS OF PAPER FILTER



## CROSS-REFERENCES CHART

labbox	Whatman	Prat Dumas	Albet	Filter-lab	Macherey Nagel	Fioroni	S & S
QLPG	93	106	–	–	713	122, 600	
QLPV	114	607	400	1300			0860, 0859
QLDS	5	210	414, FP602h	1256	619	115	602eh
QLDM	1	108	412, FP595, FP597	1250	615	601	595
QLDF	4	609	411, FP604	1248	617	111	604
QNHS	50	601	501, FP1575	2244	1640d	155	1575
QNHM	52	600	502, FP1574	2240	1640m	153	1574
QNHF	54	603	503, FP1573	2235	1640we	151	1573
QNDS	42	6601	150, FP589/3	1244	640d	15	589/3
QNDM	40	6600	145, FP589/5	1242	640md	13	589/5
QNDF	43	6602	140, FP589/2	1240	640m	12	589/2

Notes: the cross-references between different paper filter manufacturers are shown only as mere information to make easier the change from another brand. Two paper filters are never equal and we recommend you to make a test before using it. The mentioned brands here above are registered marks of their respective owners and do not have any connection with labbox



**PRAT DUMAS qualitative filter paper for general use, medium flow rate**

Maximum ash content 0.10%. Vellum paper used for general laboratory filtration. Surface weight 65 g/m<sup>2</sup>, pore 7 - 10 μm, thickness 170 μm. Available in flat disks (packed in 100 disks bag foiled packaging, with no carton box), or folded (in a carton box). Equivalent to: Whatman 93

sales unit reference	∅ (mm)	type	pcs per sales unit
QLPG-070-100	70	disk	100
QLPG-090-100	90	disk	100
QLPG-110-100	110	disk	100
QLPG-125-100	125	disk	100
QLPG-150-100	150	disk	100
QLPG-185-100	185	disk	100
QLPG-240-100	240	disk	100
Folded			
QLPG-111-100	110	folded	100
QLPG-126-100	125	folded	100
QLPG-151-100	150	folded	100
QLPG-186-100	185	folded	100
QLPG-201-100	200	folded	100
QLPG-241-100	240	folded	100
QLPG-251-100	250	folded	100
QLPG-401-100	400	folded	100



**PRAT DUMAS qualitative filter paper for general use, very fast flow rate**

Maximum ash content 0.06%. Paper consisted of long cotton fibers for thick and sticky liquids filtration. Thick and very resistant paper, offering the fastest flow among qualitative filters. Surface weight 130 g/m<sup>2</sup>, pore 25 - 30 μm, thickness 430 μm. Available in flat disks and folded. Equivalent to: Whatman 114

sales unit reference	∅ (mm)	type	pcs per sales unit
QLPV-070-100	70	disk	100
QLPV-090-100	90	disk	100
QLPV-110-100	110	disk	100
QLPV-125-100	125	disk	100
QLPV-150-100	150	disk	100
QLPV-185-100	185	disk	100
QLPV-240-100	240	disk	100
Folded			
QLPV-111-100	110	folded	100
QLPV-126-100	125	folded	100
QLPV-151-100	150	folded	100
QLPV-186-100	185	folded	100
QLPV-201-100	200	folded	100
QLPV-241-100	240	folded	100
QLPV-251-100	250	folded	100



**PRAT DUMAS qualitative filter paper, slow flow rate**

Low ash content paper (max 0.06%) used for fine filtration of small particles precipitates. Surface weight 100 g/m<sup>2</sup>, pore 2 - 3 μm, thickness 200 μm. Available in flat disks and folded. Equivalent to: Whatman 5

sales unit reference	∅ (mm)	type	pcs per sales unit
QLDS-070-100	70	disk	100
QLDS-090-100	90	disk	100
QLDS-110-100	110	disk	100
QLDS-125-100	125	disk	100
QLDS-150-100	150	disk	100
QLDS-185-100	185	disk	100
QLDS-240-100	240	disk	100
Folded			
QLDS-111-100	110	folded	100
QLDS-126-100	125	folded	100
QLDS-151-100	150	folded	100
QLDS-201-100	200	folded	100
QLDS-251-100	250	folded	100
QLDS-401-100	400	folded	100


**PRAT DUMAS qualitative filter paper, medium flow rate**

Superior Vellum paper made of pure cellulose and low ash (max 0.06%). General use in laboratory. Surface weight 85 g/m<sup>2</sup>, pore 10 - 12 μm, thickness 200 μm. Available in flat disks and folded. Equivalent to: Whatman 1

sales unit reference	∅ (mm)	type	pcs per sales unit
QLDM-070-100	70	disk	100
QLDM-090-100	90	disk	100
QLDM-110-100	110	disk	100
QLDM-125-100	125	disk	100
QLDM-150-100	150	disk	100
QLDM-185-100	185	disk	100
QLDM-240-100	240	disk	100
Folded			
QLDM-111-100	110	folded	100
QLDM-126-100	125	folded	100
QLDM-151-100	150	folded	100
QLDM-201-100	200	folded	100
QLDM-251-100	250	folded	100
QLDM-401-100	400	folded	100





**PRAT DUMAS qualitative filter paper, fast flow rate**

Low ash paper (max 0.06%) made of cotton fibers, used for thick and sticky liquids filtration. Surface weight 85 g/m<sup>2</sup>, pore 10 - 12 μm, thickness 200 μm. Available in flat disks and folded. Equivalent to: Whatman 4

sales unit reference	∅ (mm)	type	pcs per sales unit
QLDF-070-100	70	disk	100
QLDF-090-100	90	disk	100
QLDF-110-100	110	disk	100
QLDF-125-100	125	disk	100
QLDF-150-100	150	disk	100
QLDF-185-100	185	disk	100
QLDF-240-100	240	disk	100
Folded			
QLDF-111-100	110	folded	100
QLDF-126-100	125	folded	100
QLDF-151-100	150	folded	100
QLDF-201-100	200	folded	100
QLDF-251-100	250	folded	100
QLDF-401-100	400	folded	100



**PRAT DUMAS quantitative filter paper, slow flow rate**

Ash-free paper (max 0.002%) made exclusively of cellulose cotton fibers. Used for critical gravimetric analysis. Surface weight 80 g/m<sup>2</sup>, pore 7 - 9 μm, thickness 290 μm. Available in flat disks. Equivalent to: Whatman 42

sales unit reference	∅ (mm)	type	pcs per sales unit
QNDS-070-100	70	disk	100
QNDS-090-100	90	disk	100
QNDS-110-100	110	disk	100
QNDS-125-100	125	disk	100
QNDS-150-100	150	disk	100



**PRAT DUMAS quantitative filter paper, medium flow rate**



Ash-free paper (max 0.002%) made exclusively of cellulose cotton fibers. Used for routine gravimetric analysis. Intermediate filter in terms of flow rate and retention. Surface weight 80 g/m<sup>2</sup>, pore 8 - 12 μm, thickness 270 μm. Available in flat disks. Equivalent to: Whatman 40

sales unit reference	∅ (mm)	type	pcs per sales unit
QNDM-070-100	70	disk	100
QNDM-090-100	90	disk	100
QNDM-110-100	110	disk	100
QNDM-125-100	125	disk	100
QNDM-150-100	150	disk	100



**PRAT DUMAS quantitative filter paper, fast flow rate**

Ash-free paper (max 0.002%) made exclusively of cellulose cotton fibers. Its quick flow rate makes it recommendable for large precipitates, such as iron hydroxyde and other metal sulfates. Surface weight 80 g/m<sup>2</sup>, pore 10 - 15 μm, thickness 250 μm. Available in flat disks. Equivalent to: Whatman 43

sales unit reference	∅ (mm)	type	pcs per sales unit
QNDF-070-100	70	disk	100
QNDF-090-100	90	disk	100
QNDF-110-100	110	disk	100
QNDF-125-100	125	disk	100
QNDF-150-100	150	disk	100



**PPRAT DUMAS hardened quantitative filter paper, slow flow rate**

Low ash paper hardened (max 0.02%), as an intermediate solution between quantitative ash free paper (max 0.002%) and qualitative paper low ash (max 0.06%) for non critical quantitative works. Recommended for thin precipitates, such as barium, lead, zinc or nickel sulfate, barium fluoride or barium hydroxide. High wet resistance. Surface weight 80 g/m<sup>2</sup>, pore 7 - 9 μm, thickness 290 μm. Available in flat disks (packed in 100 disks bag foiled packaging, with no carton box), or folded (in a carton box). Equivalent to: Whatman 50



sales unit reference	∅ (mm)	type	pcs per sales unit
QNHS-070-100	70	disk	100
QNHS-090-100	90	disk	100
QNHS-110-100	110	disk	100
QNHS-125-100	125	disk	100
QNHS-150-100	150	disk	100
Folded			
QNHS-111-100	110	folded	100
QNHS-126-100	125	folded	100
QNHS-151-100	150	folded	100

**PRAT DUMAS hardened quantitative filter paper, medium flow rate**

Low ash paper hardened (max 0.02%), as an intermediate solution between quantitative ash free paper (max 0.002%) and qualitative paper low ash (max 0.06%) for non critical quantitative works. Medium flow rate is the adequate for a general use, being the intermediate filter in terms of flow rate and retention. High wet resistance. Surface weight 80 g/m<sup>2</sup>, pore 8 - 12 μm, thickness 270 μm. Available in flat disks (packed in 100 disks bag foiled packaging, with no carton box), or folded (in a carton box). Equivalent to: Whatman 52



sales unit reference	∅ (mm)	type	pcs per sales unit
QNHM-070-100	70	disk	100
QNHM-090-100	90	disk	100
QNHM-110-100	110	disk	100
QNHM-125-100	125	disk	100
QNHM-150-100	150	disk	100
Folded			
QNHM-111-100	110	folded	100
QNHM-126-100	125	folded	100
QNHM-151-100	150	folded	100

**PRAT DUMAS hardened quantitative filter paper, fast flow rate**

Low ash paper hardened (max 0.02%), as an intermediate solution between quantitative ash free paper (max 0.002%) and qualitative paper low ash (max 0.06%) for non critical quantitative works. Its flow rate makes it recommendable for large precipitates, such as iron hydroxyde and other metal sulfates. High wet resistance. Surface weight 80 g/m<sup>2</sup>, pore 12 - 16 μm, thickness 250 μm. Available in flat disks (packed in 100 disks bag foiled packaging, with no carton box), or folded (in a carton box). Equivalent to: Whatman 54



sales unit reference	∅ (mm)	type	pcs per sales unit
QNHF-070-100	70	disk	100
QNHF-090-100	90	disk	100
QNHF-110-100	110	disk	100
QNHF-125-100	125	disk	100
QNHF-150-100	150	disk	100
Folded			
QNHF-111-100	110	folded	100
QNHF-126-100	125	folded	100
QNHF-151-100	150	folded	100



**Microfiber glass paper filter, grade GFFC (1,2 µm)**

Paper made from glass microfiber 100% borosilicate without binder. Fast filtration with a keeping back of fine particles. Standard filter for determination of particle suspensions (S.P.M.) in drinking or sewage water according to European standards (EN 872) and American standards (Standard Methods 2540D). Can be used at very high-temperature. Surface weight 55 g/m<sup>2</sup>, pore 1,2 µm, thickness 270 µm. Available in flat disks. Equivalent to: Whatman GF/C, Macherey Nagel GF-3, Millipore AP40, S&S GF52



sales unit reference	∅ (mm)	type	pcs per sales unit
GFFC-025-100	25	disk	100
GFFC-047-100	47	disk	100
GFFC-055-100	55	disk	100
GFFC-090-100	90	disk	100

Sterile



**Microfiber glass paper filter, grade GFFA (1,6 µm)**

Paper made from glass microfiber 100% borosilicate without binder. Very fast filtration with a high retention and capacity of fine particles. For general use in laboratory. Can be used at very high temperature. Surface weight 37 g/m<sup>2</sup>, pore 1,6 µm, thickness 190 µm. Available in flat disks. Equivalent to: Whatman GF/A, Macherey Nagel GF-1, S&S GF50



sales unit reference	∅ (mm)	type	pcs per sales unit
GFFA-025-100	25	disk	100
GFFA-047-100	47	disk	100
GFFA-055-100	55	disk	100
GFFA-090-100	90	disk	100



**Phase separating paper**

Hydrophobic paper for the fast separation of aqueous solutions from hydrofuge solvents. Useful with organic solvents heavier or lighter than water. Replace on many application the separatory funnels. Available in flat disks. Equivalent: Whatman 1 PS



sales unit reference	∅ (mm)	type	pcs per sales unit
FASE-090-100	90	disk	100
FASE-110-100	110	disk	100
FASE-125-100	125	disk	100
FASE-150-100	150	disk	100
FASE-210-100	210	disk	100



**Joseph paper PRAT DUMAS**

Extra thin paper, superior quality for wiping or packaging laboratory glassware, free of solvents and chemical products. Excellent absorption and perfect wiping not going fluffy. Surface weight: 30 g/m<sup>2</sup>. Thickness: 70 µm



sales unit reference	l (mm)	w (mm)	pcs per sales unit
JPPF-350-040	350	500	40
JPPF-350-800	350	500	800



**Activated carbon paper filter**

Activated carbon paper used to dispose benzene, toluene, xylene, ethylbenzene or other small organic molecules. Commonly used in water filtration and odor removal. Available in flat disks



sales unit reference	∅ (mm)	type	pcs per sales unit
ACAF-070-100	70	disk	100
ACAF-090-100	90	disk	100
ACAF-110-100	110	disk	100
ACAF-125-100	125	disk	100
ACAF-150-100	150	disk	100



### Blotting paper for germination tests

Blotting paper used in laboratory for the tests and the controls of germination. It allows to determine the capacity of germination of seeds. Good absorption capacity (300 %). Paper supplied in wrinkled bands (50 double folds) of 2 m length and 110 mm wide. Color: white, yellow or grey

sales unit reference	l (mm)	w (mm)	color	pcs per sales unit
GERF-001-100	2000	110	white	100
GERF-002-100	2000	110	yellow	100
GERF-003-100	2000	110	grey	100



### Antibiotic control filter paper (antibiograms)

Very thick and absorbent cotton fiber used to determine the suitable antibiotic for a particular infection treatment. Surface weight 420 g/m<sup>2</sup>. Available in flat disks

sales unit reference	∅ (mm)	type	pcs per sales unit
ANTF-004-1K0	4	disk	1000
ANTF-006-1K0	6	disk	1000
ANTF-009-1K0	9	disk	1000
ANTF-013-1K0	13	disk	1000



### Blaine test filter paper

Special paper for determining the fineness of cement according to EN 196-6:2010 standard. Methods of testing cement. Determination of fineness. Available in flat disks in diameter 12,7 mm or 40,5 mm

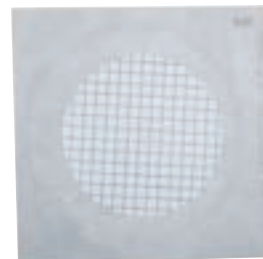
sales unit reference	∅ (mm)	type	pcs per sales unit
BLAF-012-1K0	12,7	disk	1000
BLAF-040-1K0	40,5	disk	1000



### Membrane filters, sterile

White cellulose nitrate membranes with black grid for microbiology applications. Sterile, individual packaging

sales unit reference	∅ (mm)	pore (µm)	type	pcs per sales unit
MCNE-447-100	47	0,45	cellulose nitrate	100
MCNE-247-100	47	0,20	cellulose nitrate	100
MCNE-450-100	50	0,45	cellulose nitrate	100
MCNE-250-100	50	0,20	cellulose nitrate	100



### Membrane filters, non-sterile

Plain white membranes available in cellulose nitrate and cellulose acetate

sales unit reference	∅ (mm)	pore (µm)	type	pcs per sales unit
MACN-447-100	47	0,45	cellulose acetate	100
MACN-247-100	47	0,20	cellulose acetate	100
MACN-847-100	47	0,80	cellulose acetate	100
MCNN-447-100	47	0,45	cellulose nitrate	100
MCNN-247-100	47	0,20	cellulose nitrate	100
MCNN-847-100	47	0,80	cellulose nitrate	100



### Funnel with long stem

Made of borosilicate glass LBG 3.3 and according to ISO 4798 standard

sales unit reference	∅ <sub>top</sub> (mm)	l <sub>stem</sub> (mm)	∅ <sub>stem</sub> (mm)	pcs per sales unit
FUL3-050-006	50	150	7	6
FUL3-060-006	60	150	8	6
FUL3-075-006	75	150	9	6
FUL3-090-006	90	150	11	6

**Funnel with short stem**

Made of borosilicate glass LBG 3.3 and according to ISO 4798 standard

sales unit reference	∅ <sub>top</sub> (mm)	l <sub>stem</sub> (mm)	∅ <sub>stem</sub> (mm)	pcs per sales unit
FUS3-040-012	40	50	7	12
FUS3-050-012	50	50	7	12
FUS3-060-012	60	60	8	12
FUS3-075-012	75	75	9	12
FUS3-090-012	90	90	11	12
FUS3-100-006	100	100	13	6
FUS3-120-006	120	120	15	6

**Funnel short stem, polypropylene**

Autoclavable at 121 °C

sales unit reference	∅ <sub>stem</sub> (mm)	∅ <sub>top</sub> (mm)	l <sub>stem</sub> (mm)	pcs per sales unit
FUSP-050-012	7	50	48	12
FUSP-062-012	7	62	60	12
FUSP-075-012	8	75	75	12
FUSP-100-012	9	100	90	12
FUSP-150-012	16	150	110	12

**Powder funnel, polypropylene**

Autoclavable at 121 °C

sales unit reference	∅ (mm)	∅ <sub>stem</sub> (mm)	pcs per sales unit
PFUP-065-006	65	10	12
PFUP-080-006	80	10	12
PFUP-100-006	100	14	18
PFUP-150-006	150	19	24

**Separatory funnel, conical, with PTFE stopcock and plastic stopper**

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	l (mm)	mouth	pcs per sales unit
SFT3-060-002	60 ml	205	14/23	2
SFT3-125-002	125 ml	260	19/26	2
SFT3-250-002	250 ml	290	19/26	2
SFT3-500-002	500 ml	330	24/29	2
SFT3-1K0-002	1000 ml	400	29/32	2

**Separatory funnel, conical, with glass stopcock and plastic stopper**

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	l (mm)	mouth	pcs per sales unit
SFU3-060-002	60 ml	205	14/23	2
SFU3-125-002	125 ml	260	19/26	2
SFU3-250-002	250 ml	290	19/26	2
SFU3-500-002	500 ml	330	24/29	2

**Separatory funnel, polypropylene**

Autoclavable at 121 °C. With screw cap and PP stopcock with PTFE joint

sales unit reference	capacity	l (mm)	pcs per sales unit
SFUP-100-002	100 ml	250	2
SFUP-250-002	250 ml	305	2
SFUP-500-002	500 ml	355	2



### Funnel holder

Polypropylene. To hold funnels with top diameter of 50 to 120 mm

sales unit reference	type	pcs per sales unit
FHOP-001-001	for 1 funnel	1



### Separatory funnel holder

Polypropylene. To hold funnels from 125 ml up to 500 ml

sales unit reference	type	pcs per sales unit
SFHP-001-001	for 1 funnel	1



### Hirsch funnel Premium Line

Made of porcelain highly resistant to chemical attack. With fixed perforated plate for paper or membrane filters. Glazed inside and outside, except rim. Autoclavable

sales unit reference	capacity	$\varnothing_{top}$ (mm)	h (mm)	for paper filter $\varnothing$	pcs per sales unit
HFFK-030-001	10 ml	30	50	10 mm	1
HFFK-040-001	12 ml	40	70	13-15 mm	1
HFFK-050-001	25 ml	50	75	25-30 mm	1
HFFK-075-001	50 ml	75	130	40-47 mm	1



### Büchner funnel with sintered disc

Made of borosilicate glass LBG 3.3. They should be used with a filtering flask with standard ground mouth reference FFK3. Each funnel has a sintered disc with a different porosity grade: 90-150  $\mu\text{m}$  (porosity 1), 40-90  $\mu\text{m}$  (porosity 2), 15-40  $\mu\text{m}$  (porosity 3), 5-15  $\mu\text{m}$  (porosity 4)

sales unit reference	capacity	$\varnothing$ (mm)	joint ST/NS	type	pcs per sales unit
BFU3-A35-001	35 ml	30	19/26	porosity 1	1
BFU3-B35-001	35 ml	30	19/26	porosity 2	1
BFU3-C35-001	35 ml	30	19/26	porosity 3	1
BFU3-D35-001	35 ml	30	19/26	porosity 4	1
BFU3-A80-001	80 ml	40	29/32	porosity 1	1
BFU3-B80-001	80 ml	40	29/32	porosity 2	1
BFU3-C81-001	80 ml	40	19/26	porosity 3	1
BFU3-C80-001	80 ml	40	29/32	porosity 3	1
BFU3-D80-001	80 ml	40	29/32	porosity 4	1
BFU3-20A-001	200 ml	65	29/32	porosity 1	1
BFU3-20B-001	200 ml	65	29/32	porosity 2	1
BFU3-21C-001	200 ml	65	19/26	porosity 3	1
BFU3-20C-001	200 ml	65	29/32	porosity 3	1
BFU3-20D-001	200 ml	65	29/32	porosity 4	1



### Filtering flask, ground mouth with hose connector

Made of borosilicate glass LBG 3.3

sales unit reference	capacity	$\varnothing_{base}$ (mm)	h (mm)	$\varnothing_{side\ hose}$ (mm)	joint ST/NS	pcs per sales unit
FFK3-101-001	100 ml	64	105	8	29/32	1
FFK3-102-001	100 ml	64	105	8	19/26	1
FFK3-250-001	250 ml	85	128	8	29/32	1
FFK3-500-001	500 ml	105	165	8	29/32	1
FFK3-1K0-001	1000 ml	131	210	12	29/32	1



**Büchner funnel, porcelain, Premium Line**

Made of high grade porcelain. Glazed inside and outside with the exception of the rim. Autoclavable



sales unit reference	capacity	$\varnothing_{top}$ (mm)	h (mm)	for paper filter $\varnothing$	pcs per sales unit
BFUK-035-001	35 ml	50	91	35-40 mm	1
BFUK-100-001	100 ml	65	103	50-55 mm	1
BFUK-200-001	200 ml	86	140	70 mm	1
BFUK-350-001	350 ml	105	162	90 mm	1
BFUK-600-001	600 ml	127	194	110 mm	1
BFUK-800-001	800 ml	143	200	110-124 mm	1
BFUK-1K1-001	1150 ml	172	220	142-150 mm	1
BFUK-2K0-001	2000 ml	210	272	185 mm	1
BFUK-4K8-001	4800 ml	270	352	240 mm	1

**Büchner funnel, polypropylene**

Autoclavable at 121 °C. Removable base for an easy cleaning



sales unit reference	capacity	$\varnothing_{top}$ (mm)	h <sub>total</sub> (mm)	for paper filter $\varnothing$	pcs per sales unit
BFUP-070-001	120 ml	75	140	70 mm	1
BFUP-110-001	400 ml	130	210	110 - 125 mm	1

**Filtrating flask, Erlenmeyer shape Premium Line**

Manufactured with top quality 3.3 borosilicate glass. According to ISO 6556 and USP standard



sales unit reference	capacity	$\varnothing_{base}$ (mm)	h (mm)	$\varnothing_{mouth}$ (mm)	$\varnothing_{side\ hose}$ (mm)	pcs per sales unit
FFE3-100-002	100 ml	72	105	24	8	2
FFE3-250-002	250 ml	84	158	29	10	2
FFE3-500-002	500 ml	106	188	33,5	10	2
FFE3-1K0-002	1000 ml	135	242	37	12	2
FFE3-2K0-001	2000 ml	166	280	40	18	1

**Filtrating flask, Erlenmeyer shape**

Manufactured in neutral glass



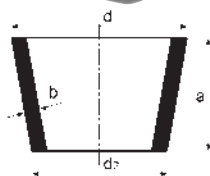
sales unit reference	capacity	$\varnothing_{base}$ (mm)	h (mm)	$\varnothing_{mouth}$ (mm)	$\varnothing_{side\ hose}$ (mm)	pcs per sales unit
FFEN-250-001	250 ml	90	160	30	8	1
FFEN-500-001	500 ml	115	210	35	10	1
FFEN-1K0-001	1000 ml	140	245	40	10	1

**GUKO rubber gaskets, for filtering flask**

Made of natural rubber, grey



sales unit reference	size	d (mm)	d <sub>2</sub> (mm)	a (mm)	b (mm)	pcs per sales unit
GUKO-001-001	1	21	12	18	2,5	1
GUKO-002-001	2	27	17	20	3	1
GUKO-003-001	3	33	21	24	3	1
GUKO-004-001	4	41	27,5	27	4	1
GUKO-005-001	5	53	33	34	5	1
GUKO-006-001	6	68	48	35	5,5	1
GUKO-007-001	7	78	58	35	6	1
GUKO-008-001	8	89	66	40	6,5	1



### GUKO set rubber gaskets, for filtering flask

Contains one unit of each of the 8 available sizes

sales unit reference	type	pcs per sales unit
GUKO-SET-001	sizes from 1 to 8 (one of each size)	1

### Filter unit for 47 mm disc filters, Premium Line

Made of top quality 3.3 borosilicate glass. Contains flask, fritted glass holder base, funnel and aluminium clamp. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  6 mm

sales unit reference	description	pcs per sales unit
FUC3-1K0-001	complete set with 1000 ml flask	1
FUC3-2K0-001	complete set with 2000 ml flask	1

Accessories and spare parts

FU13-1K0-001	ground joint flask 40/35 1000 ml	1
FU13-2K0-001	ground joint flask 40/35 2000 ml	1
FU23-1K0-001	fritted glass support base	1
FU3M-000-001	aluminum clamp	1
FU43-250-001	funnel, 300 ml	1

### Glass filter holder for 90 mm disc filters, Premium Line

Made of top quality 3.3 borosilicate glass. Contains base and tubulated cap, PTFE-coated stainless steel screen, funnel and aluminium clamp. Flask is not included (see any 40/35 ground joint flask)

sales unit reference	description	pcs per sales unit
FUC3-090-001	glass filter holder for 90 mm disc filters	1

Accessories and spare parts

FU23-090-001	base and tubulated cap	1
FU23-09T-001	stainless steel screen, PTFE coated	1
FU23-09G-001	gasket PTFE	1
FU43-1K0-001	funnel, 1000 ml, for 90 mm filter holder	1
FU3M-090-001	aluminium clamp, 90 mm	1

### Ground joint filter flask 40/35, Premium Line

Made of top quality 3.3 borosilicate glass

sales unit reference	description	pcs per sales unit
FU13-1K0-001	ground joint flask 40/35 1000 ml	1
FU13-2K0-001	ground joint flask 40/35 2000 ml	1
FU13-5K0-001	ground joint flask 40/35, conical bottom, 5000 ml	1

### Filter holder for 25 mm disc filters, Premium Line

Made of top quality 3.3 borosilicate glass. Contains base with fritted glass holder, silicone stopper #5 ( $\varnothing_{\text{upper}}$  27 mm y  $\varnothing_{\text{lower}}$  23 mm), funnel and aluminium clamp. Can be completed with Filtering flask FFE3-100-002

sales unit reference	description	pcs per sales unit
FUC3-025-001	filter holder for 25 mm disc filters	1

Accessories and spare parts

FU23-025-001	fritted glass base, 25 mm	1
FU43-015-001	funnel, 15 ml, for 25 mm filter holder	1
FU23-005-001	silicone stopper #5	1
FU3M-025-001	aluminium clamp, 25 mm	1



**Filter holder for 47 mm disc filters, Premium Line**

Made of top quality 3.3 borosilicate glass. Includes base with fritted glass holder, silicone stopper #8 ( $\varnothing_{upper}$  41 mm y  $\varnothing_{lower}$  33 mm), funnel and aluminium clamp. Can be completed with Filtering flask FFE3-500-002, FFE3-1K0-002 or a Filter manifold



sales unit reference	description	pcs per sales unit
FUC3-047-001	filter holder for 47 mm disc filters	1
Accessories and spare parts		
FU23-047-001	fritted glass base, 47 mm	1
FU43-250-001	funnel, 300 ml,	1
FU23-008-001	silicone stopper #8	1
FU3M-000-001	aluminum clamp	1

**Stainless steel filter manifold**

Available in 3 or 6 positions. The manifold includes a hose connector for a tubing with internal diameter 10 mm. Can be connected to any filter holder bearing a stopper size #8, such as FUC3-047-001



sales unit reference	description	pcs per sales unit
MNFA-003-001	stainless steel filter manifold, 3 branches	1
MNFA-006-001	stainless steel filter manifold, 6 branches	1



**Thimbles for soxhlet extractors PRAT DUMAS**

Made of pure cellulose, neutral cotton, without fat, without any type bond that could contaminate the sample



sales unit reference	$\varnothing_{inner}$ (mm)	$\varnothing_{outer}$ (mm)	h (mm)	pcs per sales unit
EXTH-18A-025	18	21	60	25
EXTH-19B-025	19	22	80	25
EXTH-22A-025	22	25	60	25
EXTH-22B-025	22	25	80	25
EXTH-26A-025	26	30	60	25
EXTH-27B-025	27	31	80	25
EXTH-28B-025	28	32	80	25
EXTH-28C-025	28	32	100	25
EXTH-30B-025	30	34	80	25
EXTH-30C-025	30	34	100	25
EXTH-33B-025	33	37	80	25
EXTH-33C-025	33	37	100	25
EXTH-33G-025	33	37	118	25
EXTH-33D-025	33	37	130	25
EXTH-37D-025	37	42	130	25
EXTH-41H-025	41	46	123	25
EXTH-41E-025	41	46	150	25

### Soxhlet extraction apparatus with 30 ml extractor body

Made of borosilicate glass LBG 3.3. The complete apparatus includes a Dimroth condenser, 30 ml extractor and 100 ml flat bottom flask. The most adequate thimble reference is EXTH-22B-025  
According to DIN 12602

sales unit reference	ground (a)	ground (b)	description	pcs per sales unit
SOX3-030-001	29/32	29/32	full set	1
Spare parts				
DRO3-030-001	29/32		Dimroth condenser	1
EXB3-030-001	29/32	29/32	30 ml extractor body	1
BFF3-101-001	29/32		100 ml flat bottom flask	1

### Soxhlet extraction apparatus with 100 ml extractor body

Made of borosilicate glass LBG 3.3. The complete apparatus includes a Dimroth condenser, extractor and flat bottom flask. The most adequate thimble reference is EXTH-33B-025. According to DIN 12602

sales unit reference	ground (a)	ground (b)	description	pcs per sales unit
SOX3-100-001	29/32	45/40	full set	1
Spare parts				
DRO3-100-001	45/40		Dimroth condenser	1
EXB3-100-001	29/32	45/40	100 ml extractor body	1
BFF3-250-001	29/32		250 ml flat bottom flask	1

### Soxhlet extraction apparatus with 250 ml extractor body

Made of borosilicate glass LBG 3.3. The complete apparatus includes a Dimroth condenser, extractor and flat bottom flask. The most adequate thimble reference is EXTH-33D-025. According to DIN 12602

sales unit reference	ground (a)	ground (b)	description	pcs per sales unit
SOX3-250-001	29/32	45/40	full set	1
Spare parts				
DRO3-251-001	45/40		Dimroth condenser	1
EXB3-251-001	29/32	45/40	250 ml extractor body	1
BFF3-500-001	29/32		500 ml flat bottom flask	1

### Soxhlet extraction apparatus with 500 ml extractor body

Made of borosilicate glass LBG 3.3. The complete apparatus includes a Dimroth condenser, extractor and flat bottom flask. The most adequate thimble reference is EXTH-41E-025. According to DIN 12602

sales unit reference	ground (a)	ground (b)	description	pcs per sales unit
SOH3-500-001	29/32	60/46	full set	1
Spare parts				
DRO3-501-001	60/46		Dimroth condenser	1
EXB3-500-001	29/32	60/46	500 ml extractor body	1
BFF3-1K0-001	29/32		1000 ml flat bottom flask	1



**“Diaphragm vacuum pump for neutral gases**

For filter units, filtering flasks, dessicators and other laboratory applications. PPS pump head and EPDM diaphragm, suitable for general uses not involving aggressive gases. Silent running and 100% oil-free transfer. 1 year warranty. Delivery time immediate for VACU-V06-001 model, 3-4 weeks for all other models

sales unit reference	flow rate at atm. pres.	vacuum (mbar abs.)	pressure (bar g)	connector for tube	valve + vac. gauge	pcs per sales unit
VACU-V06-001	6 l/min	100	2,4	Ø 6 mm	yes	1
VACU-V16-001	16 l/min	15	0,5	Ø 6 mm	yes	1
VACU-V22-001	22 l/min	12	0,5	Ø 10 mm	yes	1
VACU-V30-001	30 l/min	100	0,5	Ø 6 mm	yes	1
VACU-O32-001	32 l/min	12	0,5	Ø 10 mm	no	1
VACU-V37-001	37 l/min	100	0,5	Ø 10 mm	yes	1

**“Diaphragm vacuum pump for slightly aggressive gases**

For filter units, filtering flasks, dessicators and other laboratory applications. PPS pump head and PTFE-coated diaphragm, therefore suitable for organic and slightly aggressive gases and vapours. Silent running and 100% oil-free transfer. 1 year warranty. Delivery time 3-4 weeks

sales unit reference	flow rate at atm. pres.	vacuum (mbar abs.)	pressure (bar g)	connector for tube	valve + vac. gauge	pcs per sales unit
VACU-W06-001	5,5 l/min	160	2,4	Ø 4 mm	yes	1
VACU-W16-001	16 l/min	20	0,5	Ø 6 mm	yes	1
VACU-W22-001	22 l/min	15	0,5	Ø 10 mm	yes	1
VACU-W30-001	30 l/min	160	0,5	Ø 6 mm	yes	1
VACU-T32-001	30 l/min	15	0,5	Ø 10 mm	no	1
VACU-W37-001	37 l/min	150	0,5	Ø 10 mm	yes	1

**“Diaphragm vacuum pump for aggressive gases**

Chemically-resistant pump therefore suitable for highly aggressive or corrosive gases and vapours. PTFE pump head and PTFE-coated diaphragm. Silent running and 100% oil-free transfer. 1 year warranty. Delivery time 3-4 weeks

sales unit reference	flow rate at atm. pres.	vacuum (mbar abs.)	pressure (bar g)	connector for tube	valve + vac. gauge	pcs per sales unit
VACU-F1A-001	10 l/min	100	1	Ø 10 mm	no	1
VACU-F2A-001	20 l/min	100	1	Ø 10 mm	no	1
VACU-F3A-001	34 l/min	100	1	Ø 10 mm	no	1
VACU-F1B-001	10 l/min	8	1	Ø 10 mm	no	1
VACU-F2B-001	20 l/min	8	1	Ø 10 mm	no	1
VACU-F3B-001	34 l/min	8	1	Ø 10 mm	no	1
VACU-F3C-001	34 l/min	2	1	Ø 10 mm	no	1
VACU-F6A-001	60 l/min	90	1	Ø 10 mm	no	1

**Hand operated vacuum pump**

Made of high impact polystyrene. Can achieved a vacuum up to 652 mm Hg pumping manually. With hose connector for tubing internal Ø 6 mm, for example Ref. RUTT-006-002

sales unit reference	type	pcs per sales unit
VACU-H01-001	without vacuum gauge	1
VACU-H02-001	with vacuum gauge	1

**Water vacuum pump with check valve**

Integrated non-return valve. Available in borosilicate glass LBG 3.3 or polypropylene (autoclavable at 121 °C)

sales unit reference	Ø <sub>connector</sub> (mm)	h (mm)	Ø <sub>side hose</sub> (mm)	type	pcs per sales unit
VPU3-018-001	18	150	9	borosilicate glass LBG 3.3	1
VPUP-001-001	13,5	190	9	polypropylene	1

Accessories and spare parts

VPUA-001-001	connection kit to the faucet for VPU3-018-001	1
VPUP-A01-001	spare tube conector for VPUP-001-001	1





### Rubber vacuum tubing

Natural rubber, red

sales unit reference	∅ <sub>inner</sub> (mm)	∅ <sub>outer</sub> (mm)	type	meters per roll
RUTT-004-002	4	10	for 4/5 hose	2
RUTT-006-002	6	16	for 8/9 hose	2
RUTT-008-002	8	16	for 9/10 hose	2
RUTT-010-002	10	22	for 12/13 hose	2
"Saving package"				
RUTT-004-010	4	10	for 4/5 hose	10
RUTT-006-010	6	16	for 8/9 hose	10
RUTT-008-010	8	16	for 9/10 hose	10
RUTT-010-010	10	22	for 12/13 hose	10



### Silicone tubing, translucent

For lab applications where liquids must be transferred. Service temperature from -60 up to +200 °C. Certificate of biocompatibility USP Class VI. Meets FDA and BgVV positive lists.

sales unit reference	∅ <sub>inner</sub> (mm)	∅ <sub>outer</sub> (mm)	meters per roll
SILT-001-005	1	3	5
SILT-002-005	2	4	5
SILT-004-005	4	8	5
SILT-006-005	6	10	5
SILT-008-005	8	12	5
SILT-010-005	10	14	5
SILT-012-005	12	16	5
SILT-014-005	14	20	5
SILT-016-005	16	20	5
"Saving package"			
SILT-001-025	1	3	25
SILT-002-025	2	4	25
SILT-004-025	4	8	25
SILT-006-025	6	10	25
SILT-008-025	8	12	25
SILT-010-025	10	14	25
SILT-012-025	12	16	25
SILT-014-025	14	20	25
SILT-016-025	16	20	25



### PTFE tubing

Excellent chemical and thermal resistance (from -200 to 260 °C)

sales unit reference	∅ <sub>inner</sub> (mm)	∅ <sub>outer</sub> (mm)	meters per roll
TEFT-002-005	2	4	5
TEFT-004-005	4	6	5
TEFT-006-005	6	8	5
TEFT-008-005	8	10	5
TEFT-010-005	10	12	5



### Latex tubing

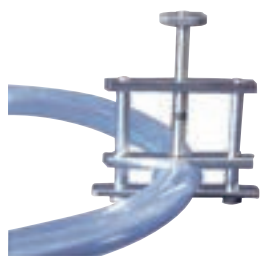
Amber colour. For lab applications where liquids must be transferred



sales unit reference	∅ <sub>inner</sub> (mm)	∅ <sub>outer</sub> (mm)	type	meters per roll
LTXT-004-005	4,5	9	for 4/5 hose	5
LTXT-007-005	7	10	for 8/9 hose	5
LTXT-008-005	8	12	for 10 hose	5
LTXT-010-005	10	14	for 12/13 hose	5
LTXT-012-005	12	18	for 15/16 hose	5
LTXT-014-005	14	20	for 16 hose	5
"Saving package"				
LTXT-004-025	4,5	9	for 4/5 hose	25
LTXT-007-025	7	10	for 8/9 hose	25
LTXT-008-025	8	12	for 10 hose	25
LTXT-010-025	10	14	for 12/13 hose	25
LTXT-012-025	12	18	for 15/16 hose	25
LTXT-014-025	14	20	for 16 hose	25

### Hoffman's tubing clip

Nickel plated steel. Allows to modify the flow through a tubing



sales unit reference	type	pcs per sales unit
HOTC-012-005	for hoses of ∅ < 7 mm	5
HOTC-017-005	for hoses of ∅ < 14 mm	5
HOTC-025-005	for hoses of ∅ < 22 mm	5
HOTC-030-005	for hoses of ∅ < 27 mm	5

### Mohr's tubing clip

Nickel plated steel. To keep a tubing completely closed or opened



sales unit reference	type	l (mm)	pcs per sales unit
MOTC-070-005	max. lenght: 10 mm	70	5

### Hose clamp

Made of stainless steel

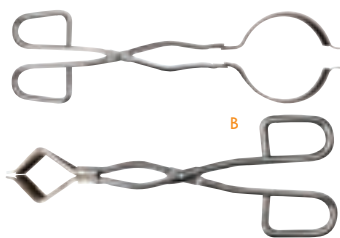


A

sales unit reference	∅	pcs per sales unit
HOSS-010-005	10-17 mm	5
HOSS-012-005	12-20 mm	5
HOSS-015-005	15-25 mm	5

### Bow shape tongs for containers

Available in two models: suitable for beakers from 250 to 1500 ml and for flasks from 100 to 2000 ml. Both with cork lined jaws improving the insulation



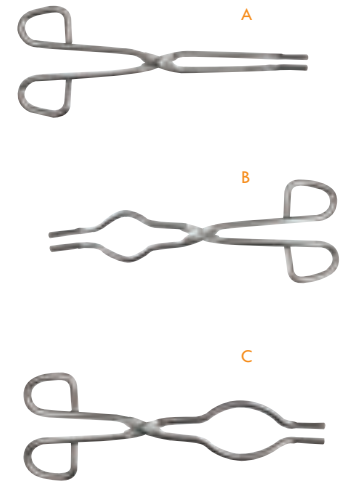
B

sales unit reference	l (mm)	type	pcs per sales unit
BKTW-300-002	300	for beakers (A)	2
FLTW-250-002	250	for flasks (B)	2

### Crucible tongs

Made of stainless steel

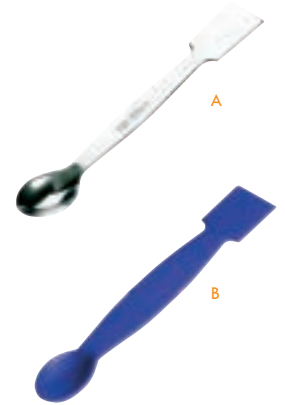
sales unit reference	l (mm)	pcs per sales unit
<b>Straight model (A)</b>		
CRTS-150-002	150	2
CRTS-200-002	200	2
CRTS-250-002	250	2
CRTS-300-002	300	2
CRTS-400-002	400	2
CRTS-500-002	500	2
<b>Medium bow (B)</b>		
CRTM-150-002	150	2
CRTM-200-002	200	2
CRTM-250-002	250	2
CRTM-300-002	300	2
CRTM-400-002	400	2
CRTM-500-002	500	2
<b>Big bow (C)</b>		
CRTB-200-002	200	2
CRTB-250-002	250	2
CRTB-300-002	300	2
CRTB-400-002	400	2
CRTB-500-002	500	2



### Spatula with spoon

Made of stainless steel or polypropylene (autoclavable at 121 °C)

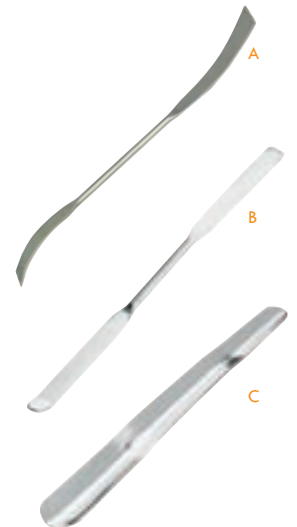
sales unit reference	l (mm)	w <sub>spatula</sub> (mm)	pcs per sales unit
<b>Stainless steel (A)</b>			
SPSS-120-005	120	15	5
SPSS-150-005	150	18	5
SPSS-175-005	175	17	5
SPSS-210-005	210	20	5
<b>Polypropylene (B)</b>			
SPSP-150-005	150	21	5
SPSP-200-005	200	22	5

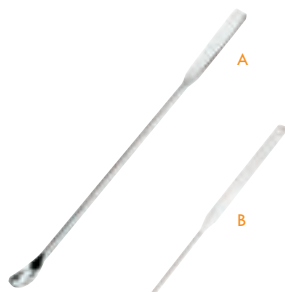


### Laboratory spatula

Made of stainless steel

sales unit reference	l (mm)	w <sub>spatula</sub> (mm)	pcs per sales unit
<b>Doubled curved-end (A)</b>			
SPDS-130-005	130	11	5
SPDS-150-005	150	11	5
SPDS-180-005	180	11	5
SPDS-210-005	210	11	5
<b>Chattaway (B)</b>			
SPCS-150-005	150	6	5
SPCS-200-005	200	7	5
<b>Trulla (C)</b>			
SPTS-001-005	170	22	5





### Laboratory micro spatula

Made of stainless steel

sales unit reference	l (mm)	w <sub>spatula</sub> (mm)	pcs per sales unit
With spoon (A)			
SPNS-150-005	150	4	5
SPNS-200-005	200	4	5
Chattaway (B)			
SPMS-100-005	100	3,5	5
SPMS-150-005	150	4	5
SPMS-200-005	200	4	5

### Spatula with wooden handle

Blade made of stainless steel

sales unit reference	blade (mm)	handle (mm)	pcs per sales unit
SPWS-100-001	100	100	1
SPWS-150-001	150	100	1
SPWS-200-001	200	100	1
SPWS-250-001	250	100	1
SPWS-300-001	300	100	1

### Scoop for solids

Made of HDPE

sales unit reference	capacity	l <sub>total</sub> (mm)	l <sub>useable</sub> (mm)	pcs per sales unit
SCOP-090-001	90 ml	180	125	1
SCOP-250-001	250 ml	240	155	1
SCOP-600-001	600 ml	300	195	1
SCOP-1K1-001	1100 ml	360	240	1

### Scissors

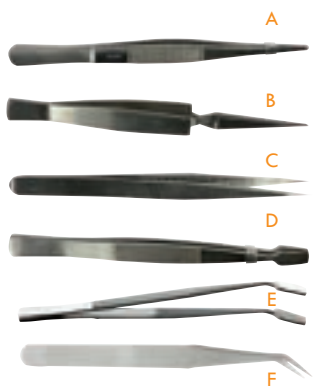
Made of stainless steel

sales unit reference	l (mm)	type	pcs per sales unit
SCIS-14A-001	145	dissection straight, pointed/pointed (A)	1
SCIS-14B-001	145	dissection straight, pointed/blunt (B)	1
SCIS-14C-001	145	dissection straight, blunt/blunt (C)	1
SCIS-115-001	115	microscopy straight, pointed/pointed (D)	1
SCIS-220-001	220	for general use, with PVC handle (E)	1

### Laboratory forceps

Made of stainless steel

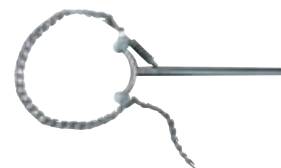
sales unit reference	l (mm)	type	pcs per sales unit
FORS-001-002	125	straight end (A)	2
FORS-002-002	120	fine tips, spring (B)	2
FORS-003-002	136	fin tips (C)	2
FORS-004-002	110	wide end (D)	2
FORS-006-002	115	for cover-glasses and membranes (E)	2
FORS-007-002	120	fine tips, bent (F)	2



### Chain clamp

For beakers and other big-diameter flasks. With stainless steel chain and spring

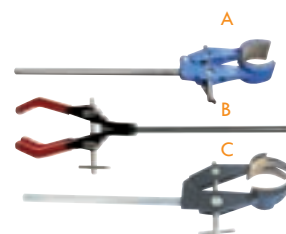
sales unit reference	∅ (mm)	pcs per sales unit
CHAS-001-001	80 – 150	1



### Retort clamp

Can hold 15 to 65 mm diameter objects

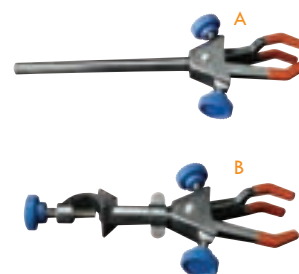
sales unit reference	l (mm)	type	pcs per sales unit
RCL2-001-001	245	2 cork-lined prongs (A)	1
RCL3-001-001	260	3 rubber sleeved prongs (B)	1
RCL4-001-001	245	4 cork-lined prongs (C)	1



### Three finger double adjust clamp

PVC coated prongs

sales unit reference	∅ (mm)	type	pcs per sales unit
Without bosshead (A)			
RCD3-035-001	0 - 35	small	1
RCD3-060-001	0 - 60	large	1
With bosshead (B)			
RDS3-035-001	0 - 35	small	1
RDS3-060-001	0 - 60	large	1



### Thermometer extension clamp

To hold thermometers, burettes and small diameter objects

sales unit reference	l (mm)	type	pcs per sales unit
THCL-001-001	200	without bosshead (A)	1
THCS-001-001	200	with bosshead (B)	1



### Open ring retort support with bosshead

Made of chromium plated steel

sales unit reference	∅ (mm)	pcs per sales unit
RROS-060-001	60	1
RROS-080-001	80	1
RROS-100-001	100	1
RROS-120-001	120	1



### Closed retort ring with bosshead

Made of stout wire

sales unit reference	∅ (mm)	pcs per sales unit
RTRS-050-002	50	2
RTRS-075-002	75	2
RTRS-100-002	100	2
RTRS-125-002	125	2
RTRS-150-002	150	2



**Retort stand**

Heavy sheet metal with rubber lining. Includes a chromium plated rod with diameter and height shown below

sales unit reference	$l_{base}$ (mm)	$w_{base}$ (mm)	base weight (g)	$\varnothing_{rod}$ (mm)	$h_{rod}$ (mm)	pcs per sales unit
RTSM-160-001	160	100	670	10	500	1
RTSM-200-001	200	125	1220	10	500	1
RTSM-250-001	250	160	1450	10	700	1
RTSM-300-001	310	200	1600	10	700	1

**Retort stand**

Metal sheet. Includes an aluminium rod with diameter and height shown below

sales unit reference	$l_{base}$ (mm)	$w_{base}$ (mm)	base weight (g)	$\varnothing_{rod}$ (mm)	$h_{rod}$ (mm)	pcs per sales unit
RTMM-175-001	175	100	475	9	450	1
RTMM-225-001	225	125	775	10	500	1
RTMM-250-001	250	150	970	10	600	1
RTMM-300-001	300	150	1165	12	700	1

**Retort stand**

Cast iron. Includes a chromium plated rod 600 mm height

sales unit reference	$l_{base}$ (mm)	$w_{base}$ (mm)	base weight (g)	$\varnothing_{rod}$ (mm)	$h_{rod}$ (mm)	pcs per sales unit
RTCM-200-001	200	140	860	10	600	1

**Tripod stand**

Cast iron stand. Includes a chromium plated rod 600 mm height

sales unit reference	$l_{base}$ (mm)	$w_{base}$ (mm)	base weight (g)	$\varnothing_{rod}$ (mm)	$h_{rod}$ (mm)
TSTM-135-001	135	860	10	600	1

**Retort stand , "H" shape**

With a heavy metal stand, 3 vertical rods diameter ( $\varnothing$ ) and height (h), 2 horizontal rods diameter ( $\varnothing$ ) and length (l) shown below and 6 heads

sales unit reference	$\varnothing_{rod}$ (mm)	h (mm)	l (mm)	w (mm)	base weight (g)	pcs per sales unit
HSSM-010-001	10	800	500	250	6500	1
HSSM-012-001	12	800	500	250	6250	1

**Bosshead, Fisher type**

Suitable for rod diameters from 9 to 16 mm

sales unit reference	type	pcs per sales unit
BOSF-001-004	Fisher	4

**Bosshead, squared**

Suitable for rod diameters up to 16 mm

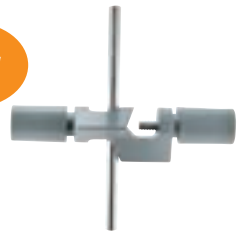
sales unit reference	type	pcs per sales unit
BOSS-001-004	square	4



### Bosshead, high strength

Designed to withstand high loads. Suitable for rod diameters up to 19 mm

sales unit reference	type	pcs per sales unit
BOSH-001-001	bosshead	1



### Tripod stand circular top

Cast iron top with zinc plated legs

sales unit reference	∅ (mm)	h (mm)	pcs per sales unit
TRSC-175-001	125	175	1
TRSC-200-001	125	200	1



### Ceramic plate, iron wire with ceramic center

Without asbestos

sales unit reference	∅ <sub>ceramic</sub> (mm)	l (mm)	w (mm)	pcs per sales unit
CPLS-100-001	70	100	100	1
CPLS-125-001	85	125	125	1
CPLS-150-001	100	150	150	1
CPLS-200-001	147	200	200	1



### Laboratory jack

Made of aluminum

sales unit reference	l (mm)	w (mm)	h <sub>max.</sub> (mm)	max. weight	pcs per sales unit
JACA-100-001	100	100	140	30 kg	1
JACA-150-001	150	150	280	60 kg	1
JACA-200-001	200	200	290	60 kg	1



### Glass tube cutter

Zinc alloy with nickel-chromium plated, with hardened steel cutting wheel

sales unit reference	type	pcs per sales unit
GTCM-030-001	for up to 30 mm diameter tubes	1

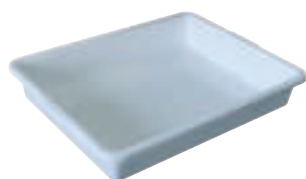


### Stirring rod

Available in three different materials

sales unit reference	∅ (mm)	l (mm)	pcs per sales unit
Glass stirring rod with round ends (A)			
STRN-150-005	7	150	5
STRN-200-005	7	200	5
STRN-300-005	7	300	5
STRN-400-005	9	400	5
PTFE coated steel core (B)			
STRT-300-001	6	300	1
Policeman stirring rod, polypropylene (autoclavable at 121 °C) (C)			
STRP-245-012	6	245	12





### Laboratory tray

Made of polypropylene. Autoclavable at 121°C

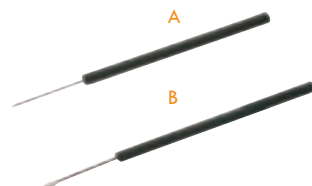
sales unit reference	l (mm)	w (mm)	h (mm)	pcs per sales unit
TRYP-001-001	375	300	75	1
TRYP-002-001	450	350	75	1



### Laboratory tray for bottles

Made of polypropylene. With handle. Autoclavable at 121°C

sales unit reference	h (mm)	l (mm)	w (mm)	pcs per sales unit
TRYP-003-001	115	380	240	1



### Dissection needle

Stainless steel needle with plastic handle

sales unit reference	type	pcs per sales unit
DISS-001-005	pointed needle (A)	5
DISS-002-005	with blade (B)	5



### Disposable scalpel

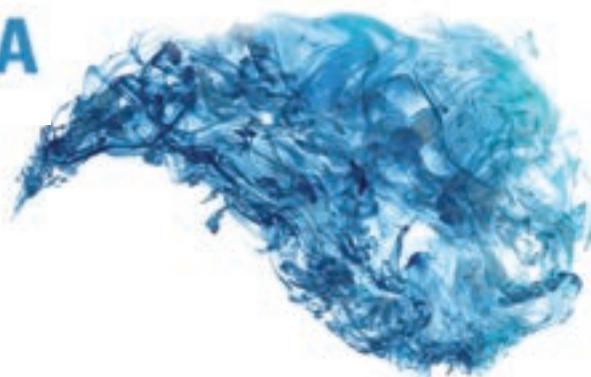
Single packed, stainless steel blade fitted on plastic handle

sales unit reference	type	pcs per sales unit
SCAS-023-001	size 23, sterile	1

We will be glad to welcome you at:



Barcelona  
30 Sept - 3 Oct 2014





**Ø55 mm Polystyrene Petri dishes**

Packed in a bag of 10 units, aseptic or sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs per sales unit
PDIP-06N-500	55	12,8	14,1	aseptic, without vents	500
PDIP-E6N-500	55	12,8	14,1	sterile, without vents	500
PDIP-060-500	54,4	12,7	14	aseptic, with 3 vents	500
PDIP-E60-500	54,4	12,7	14	sterile, with 3 vents	500

**Ø90 mm Polystyrene Petri dishes**

Packed in a bag of 20/25 units, aseptic or sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs per sales unit
PDIP-09N-500	89,5	15,2	16,3	aseptic, without vents	500
PDIP-E9N-500	89,5	15,2	16,3	sterile, without vents	500
PDIP-090-500	88,8	15	16,3	aseptic, with 3 vents	500
PDIP-E90-500	88,8	15	16,3	sterile, with 3 vents	500
PDIP-091-625	88,8	12,8	14,2	aseptic, with 3 vents	625
PDIP-E91-625	88,8	12,8	14,2	sterile, with 3 vents	625

**Ø90 mm Polystyrene Petri dishes**

Packed in a bag of 20 units, aseptic or sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs per sales unit
PDIP-092-500	88,8	15,2	16,5	aseptic, with 3 vents, 2 compartments	500
PDIP-E92-500	88,8	15,2	16,5	sterile, with 3 vents, 2 compartments	500
PDIP-093-500	88,8	15,2	16,5	aseptic, with 3 vents, 3 compartments	500
PDIP-E93-500	88,8	15,2	16,5	sterile, with 3 vents, 3 compartments	500

**Ø100 mm Polystyrene Petri dishes**

Packed in a bag of 10 units, aseptic or sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs per sales unit
PDIP-100-500	96,6	12,6	13,9	aseptic, with 3 vents	500
PDIP-10E-500	96,6	12,6	13,9	sterile, with 3 vents	500

**Ø120 mm Polystyrene Petri dishes**

Packed in a bag of 10 units, sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

Referencia de la caja	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs per sales unit
PDIP-12E-320	112,8	15,1	16,8	sterile, with 3 vents	320

**Ø150 mm Polystyrene Petri dishes**

Packed in a bag of 10 units, sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	type	pcs per sales unit
PDIP-15E-140	144,3	17,3	sterile, with 3 vents	140



### Polystyrene Rodac contact plate

Contact plate for bacterial count in test surfaces

sales unit reference	$\varnothing_{\text{base}}$ (mm)	h (mm)	$h_{\text{base}}$ (mm)	type	pcs per sales unit
CPLP-060-1K0	62,2	11	16,6	aseptic, with 3 vents	1000
CPLP-E60-1K0	62,2	11	16,6	sterile, with 3 vents	1000

### 120x120 mm Polystyrene Petri dishes

Squared petri dishes for antibiograms. Packed in 10 aseptic petri dishes bag

sales unit reference	l (mm)	w (mm)	$h_{\text{base}}$ (mm)	type	pcs per sales unit
PDIP-120-240	120	120	14	aseptic, with 4 vents	240

### Glass Petri dish

Made of soda-lime glass

sales unit reference	$\varnothing_{\text{base}}$ (mm)	h (mm)	pcs per sales unit
PDIN-060-030	60	15	30
PDIN-080-024	80	15	24
PDIN-100-036	100	20	36
PDIN-150-036	150	25	36

### Borosilicate glass Petri dish

Made of borosilicate glass LBG 3.3

sales unit reference	$\varnothing_{\text{base}}$ (mm)	h (mm)	pcs per sales unit
PDI3-060-012	60	15	12
PDI3-080-010	80	15	10
PDI3-100-008	100	20	8
PDI3-150-006	150	30	6

### Inoculation loops, calibrated

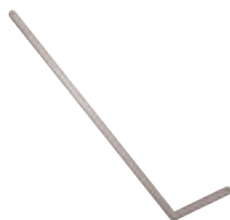
Made of ABS plastic. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	type	pcs per sales unit
LOOP-E01-1K0	1 $\mu$ l neutral color, sterile, 10 pcs/peel pack	1000
LOOP-E01-500	1 $\mu$ l neutral color, sterile, 1 pc/peel pack	500
LOOP-E10-1K0	10 $\mu$ l blue color, sterile, 10 pcs/peel pack	1000
LOOP-E10-500	10 $\mu$ l blue color, sterile, 1 pcs/peel pack	500

### L spreaders

Sterile L spreader made of polypropylene with round finishing to avoid any damage on media surface. Certificate of sterilization (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	type	pcs per sales unit
SPRP-L01-1K0	L shape (angle 100°), sterile, individually wrapped	1000
SPRP-L05-1K0	L shape (angle 100°), sterile, 5 pcs/bag	1000



**Kolle handle**

Each handle is supplied with two inoculation loops (loop end 3 mm diameter)

sales unit reference	type	pcs per sales unit
KOLS-200-001	200 mm length + 2 Ni-Cr inoculation loops	1
KOLS-290-001	290 mm length + 2 Ni-Cr inoculation loops	1
Accessories and spare parts		
KOLA-001-025	loop end 3 mm diameter	25
KOLA-002-025	needle end	25
KOLA-003-025	lancet tip end	25



**Porcelain spotting plate**

Glazed except for bottom surface

sales unit reference	l (mm)	w (mm)	∅ <sub>hole</sub> (mm)	type	pcs per sales unit
SPPC-006-001	94	62	25	6 cavités	1
SPPC-012-001	115	88	25	12 cavités	1



**Staining jar, glass**

Made of neutral glass. With lid

sales unit reference	type	pcs per sales unit
MSSN-001-001	Coplin (A), for 5 slides	1
MSSN-002-001	Schieferdecker (B), for 10 slides	1
MSSN-003-001	Hellendahl (C), for 8 slides	1



**Staining jar, PMP**

Made of polymethylpentene (PMP or TPX), include lid. Remark: Xylene can cause etching to PMP after two days at room temperature

sales unit reference	type	pcs per sales unit
MSSX-002-001	Schieferdecker (A), for 10 slides	1
MSSX-003-001	Hellendahl (B), for 8 slides	1



**Staining jar, acc. to Coplin, polypropylene**

With screw lid

sales unit reference	type	pcs per sales unit
MSSP-001-001	for 5 slides	1



**Staining jar, acc. to Hausser-Gedigk**

Made of glass, with lid and aluminum slide stand

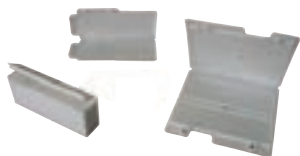
sales unit reference	l (cm)	h (cm)	w (cm)	type	pcs per sales unit
MSHN-030-001	10	10	9	for 30 slides	1
MSHN-060-001	16	10	9	for 60 slides	1



### Staining jar with rack, PMP

Includes jar made of polymethylpentene (PMP or TPX), staining rack made of polypropylene and two lids (one lid for use when dish is not in use and one lid with special opening to allow handle of staining rack). Remark: Xylene can cause etching to PMP after two days at room temperature

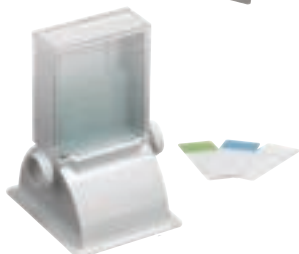
sales unit reference	type	pcs per sales unit
MSHX-020-001	for 20 slides	1



### Microscope slide mailer

Made of polypropylene. For 76 x 26 mm slides

sales unit reference	type	pcs per sales unit
MSMP-001-001	for 1 slide	1
MSMP-002-001	for 2 slides	1
MSMP-005-001	for 5 slides	1



### Microscope slide dispenser

Dispensing up to 72 slides, size 76 x 26 mm and 1.0 - 1.2 mm thickness

sales unit reference	description	pcs per sales unit
SLID-001-001	slide dispenser	1



### Microscope slides Basic Line

The most economic option for education and for routine applications in veterinary medicine, urine analysis, etc. Made of clearglass - precleaned. Sizes: 26 x 76 mm and thickness 1.0-1.2 mm. Packed in carton boxes of 50 units with protective paper between each slide and every box protected by a sealed nylon cover (Tropical Pack)

sales unit reference	corners	description	pcs per sales unit
SLIU-005-050	90°	cut edges	50
SLIG-005-050	45°	ground edges	50
SLIF-005-050	90°	ground edges, single frost	50
"Saving package" (50 boxes x 50 slides/box)			
SLIU-005-2K5	90°	cut edges	2500
SLIG-005-2K5	45°	ground edges	2500
SLIF-005-2K5	90°	ground edges, single frost	2500

### Microscope slides Standard Line

The best relation quality/price for any kind of application. Made of clearglass - precleaned. Sizes: 26 x 76 mm and thickness 1.0-1.2 mm. Each slide is printed with the name "labbox" on one side. Packed in carton boxes of 50 units protected by double cellophane paper

sales unit reference	corners	description	pcs per sales unit
SLIU-010-050	90°	cut edges	50
SLIG-010-050	45°	ground edges	50
SLIF-010-050	45°	ground edges, single frost	50
SLIU-D10-050	90°	cut edges, double frost	50
SLIF-D10-050	45°	ground edges, double frost	50
"Saving package" (50 boxes x 50 slides/box)			
SLIU-010-2K5	90°	cut edges	2500
SLIG-010-2K5	45°	ground edges	2500
SLIF-010-2K5	45°	ground edges, single frost	2500
SLIU-D10-2K5	90°	cut edges, double frost	2500
SLIF-D10-2K5	45°	ground edges, double frost	2500



### Microscope slides *Premium Line*

Superior quality at an affordable price for routine applications in pathology, histology, cytology and more fields needing a higher quality. Made of a clear glass - precleaned, beveled edges and corners 45°. Sizes: 26 x 76 mm and thickness 1.0-1.2 mm. Each slide is printed with the name "labbox" on one side. Packed in carton boxes of 50 units protected by double cellophane paper

sales unit reference	description	pcs per sales unit
SLIB-G10-050	plain	50
SLIB-F10-050	single frost	50
SLIB-B10-050	double frost	50
"Saving package" (50 boxes x 50 slides/box)		
SLIB-G10-2K5	plain	2500
SLIB-F10-2K5	single frost	2500
SLIB-B10-2K5	double frost	2500



### Microscope slides *Super White Line*

Microscope slides in pure white glass for the most exigent applications in pathology, histology, cytology, etc. The composition of pure white glass with very low contents of iron, grants exceptional optical properties. Precleaned, beveled edges and corners 45°. Sizes: 26 x 76 mm and thickness 1.0-1.2 mm. Packed in carton boxes of 50 units protected by double cellophane paper

sales unit reference	description	pcs per sales unit
SLIB-G20-050	plain	50
SLIB-B20-050	double frost, marking area 20 mm	50



### Microscope slides *Super White Line with colour frost band*

Microscope slides in pure white glass for the most exigent applications in pathology, histology, cytology, etc. The composition of pure white glass with very low contents of iron, grants exceptional optical properties. Made of a clear glass - precleaned, ground edges, corners 45°. Sizes: 26 x 76 mm and thickness 1.0-1.2 mm. Packed in carton boxes of 50 units protected by double cellophane paper

sales unit reference	color	pcs per sales unit
SLIB-B0W-050	white	50
SLIB-B0Y-050	yellow	50
SLIB-B0G-050	green	50
SLIB-B0P-050	pink	50
SLIB-B0B-050	blue	50



### Adhesion microscope slides *Super White Line*

Microscope slides in pure white glass with adhesion treatment for immunohistochemical applications (IHC). The composition of pure white glass with very low contents of iron, grants exceptional optical properties. Glass, ground edges, corners 90° and with white color band on one side. Sizes: 26 x 76 mm and thickness 1.0-1.2 mm. Packed in plastic boxes of 72 units protected by double cellophane paper

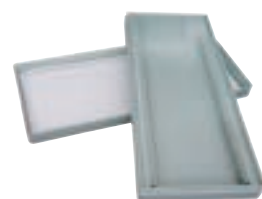
sales unit reference	description	pcs per sales unit
SLIB-SIW-072	adhesion silanized	72
SLIB-PCW-072	adhesion positive charged	72
SLIB-HYW-072	adhesion hydrophilic surface	72



### Microscope slide box

Made of polystyrene. With removable lid and numbered slots to hold microscope slides of 76 x 26 mm

sales unit reference	l (mm)	w (mm)	h (mm)	type	pcs per sales unit
MSBP-025-001	125	95	35	for 25 slides	1
MSBP-050-001	230	100	35	for 50 slides	1
MSBP-100-001	230	185	35	for 100 slides	1

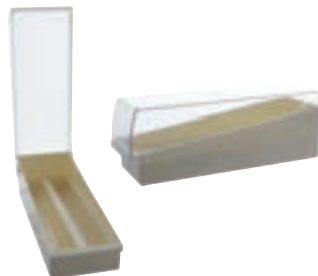




### Microscope slide box

Made of ABS plastic. Orange color. With lid fixed to the box through hinges and with cork protection base

sales unit reference	type	pcs per sales unit
MSLP-012-001	for 12 slides	1
MSLP-025-001	for 25 slides	1
MSLP-050-001	for 50 slides	1
MSLP-100-001	for 100 slides	1



### Microscope slide box

The transparent cover provide excellent view of the slides stored inside. Can hold 100 numbered slides of 76 x 26 mm

sales unit reference	w (mm)	l (mm)	h (mm)	type	pcs per sales unit
MSRP-100-001	85	250	90	for 100 slides	1

### Cover glass Standard Line

Made of standard glass pre-cleaned. Packed in plastic boxes protected by a sealed aluminium cover (Tropical Pack)

sales unit reference	l (mm)	w (mm)	thickness (mm)	pcs per sales unit
COVN-018-200	18	18	0,13-0,16	200
COVN-020-200	20	20	0,13-0,16	200
COVN-022-200	22	22	0,13-0,16	200
COVN-024-200	24	24	0,13-0,16	200
COVN-032-100	24	32	0,13-0,16	100
COVN-050-100	24	50	0,13-0,16	100
COVN-060-100	24	60	0,13-0,16	100
"Saving package"				
COVN-018-2K0	18	18	0,13-0,16	2000
COVN-020-2K0	20	20	0,13-0,16	2000
COVN-022-2K0	22	22	0,13-0,16	2000
COVN-024-2K0	24	24	0,13-0,16	2000
COVN-032-1K0	24	32	0,13-0,16	1000
COVN-050-1K0	24	50	0,13-0,16	1000
COVN-060-1K0	24	60	0,13-0,16	1000



### Cover glass Premium Line

Made of borosilicate glass 3.3 and specially designed for automatic feeders. Packed in plastic boxes protected by a sealed aluminium cover (Tropical Pack)

sales unit reference	l (mm)	w (mm)	thickness (mm)	pcs per sales unit
COV3-040-100	24	40	0,13-0,16	100
COV3-050-100	24	50	0,13-0,16	100
COV3-060-100	24	60	0,13-0,16	100
"Saving package"				
COV3-040-1K0	24	40	0,13-0,16	1000
COV3-050-1K0	24	50	0,13-0,16	1000
COV3-060-1K0	24	60	0,13-0,16	1000



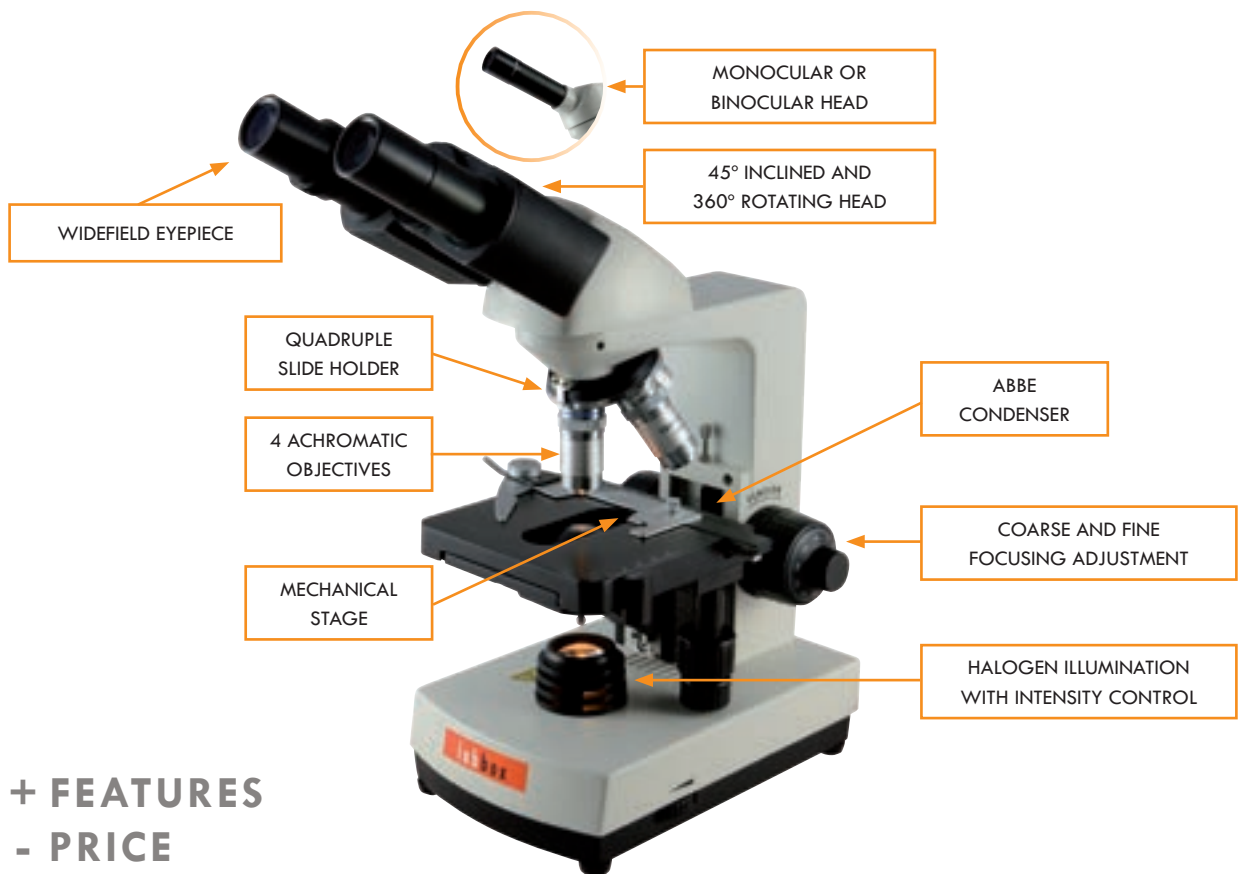
**\*Biological microscope, labbox LBX 100 series**

Monocular or binocular head (according to model), 45° inclined and 360° rotating. Widefield WF10X/18 mm eyepiece. Quadruple nosepiece with achromatic DIN objectives 4X, 10X, 40X S and 100X S-Oil. Coarse and fine focusing adjustment. Focusable 1.25 NA Abbe condenser. Built in low position coaxial mechanical stage. Iris diaphragm with filter holder. Halogen 12V/20W illumination with intensity control. Main supply 110-240 V (CE). Warranty 2 years on optical and mechanical components

sales unit reference	description	pcs per sales unit
BM50-H01-001	microscope LBX100 (monocular head)	1
BM50-H02-001	microscope LBX100 (binocular head)	1
Accessories and spare parts		
BMAC-068-001	widefield eyepiece WF 15X/12 mm	1



# Biological microscope labbox series LBX100



**\*Biological microscope, MOTIC SFC-100 series**



Monocular head, inclined at 45 degrees and rotating 360°. Widefield WF10X/18mm eyepiece with built-in pointer. Achromatic DIN objectives 4X, 10X, 40X S. Coarse and fine focusing adjustment 0.65NA fixed condenser. Iris diaphragm with filter holder. Halogen 12V/10W or LED 20 mA, 3.5 V, 70 mW illumination (according to model), with intensity control. Cover included. Main supply 220-240 V (CE) (halogen model) and 100-240 V (CE), batteries and charger included (LED model). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
BM01-H01-001	microscope SFC-100 FL(H) (halogen illumination)	1
BM01-L01-001	microscope SFC-100 F LED (LED illumination)	1
Accessories and spare parts		
BMAC-111-001	micrometer eyepiece WF 10X/18 mm, 100 divisions in 10 mm	1
BMAC-069-001	achromatic objective 60X/0.85/S	1
BMAC-018-001	achromatic objective 100X/1.25/S-oil	1

**\*Digital biological microscope, MOTIC DM-111 series**



Monocular head with built-in digital camera CMOS 1/4" chip 800 x 600 pixels with USB 2.0 output. Widefield WF10X/18 mm eyepiece with built-in pointer. Quadruple revolving nosepiece with achromatic DIN objectives 4X, 10X, 40X S and 100X S-Oil. Coarse and fine focusing system with tension adjustment. Focusable 1.25 N.A. Abbe condenser. Built-in coaxial mechanical stage with slide holder. Rechargeable LED illumination with intensity control. Dust cover, immersion oil, calibration slide, charger and batteries included. Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
BM21-LD1-001	digital microscope DM-111	1

**\*Biological microscopes, MOTIC 18 LED and 28 LED Cordless series**



Monocular, binocular or trinocular head (according to model), 45° inclined and 360° rotating. Widefield WF10X/18 mm eyepiece. Quadruple nosepiece with achromatic EA objectives 4X, 10X and 40X S. Separate (1802 model) or coaxial (2820 & 2823 models) coarse and fine focusing system. Built in low position coaxial mechanical stage. Focusable 1.25 N.A. Abbe condenser. Iris diaphragm with filter holder. LED 20 mA, 3.5 V, 70 mW illumination with intensity control. Dust cover included. Main supply 100-240 V (CE), batteries and charger included. Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
BM15-L01-001	microscope 1802 LED (monocular head)	1
BM16-L02-001	microscope 2820 LED (binocular head)	1
BM16-L03-001	microscope 2823 LED (trinocular head)	1

Accessories and spare parts

BMAC-068-001	widefield eyepiece WF 15X/12 mm	1
BMAC-112-001	micrometer eyepiece WF 10X/18 mm, 100 divisions in 10 mm	1
BMAC-070-001	achromatic objective EA 60X/0.85/S	1
BMAC-019-001	achromatic objective EA 100X/1.25/S-oil	1
BMAC-113-001	camera adapter 0.5X C-type (for 2823 LED model)	1





**\*Digital biological microscope, MOTIC DM-1802 series**

Monocular head, 30 ° inclined with built-in digital camera CMOS 1/2" chip 2048 x 1536 pixels with USB 2.0 output. Widefield WF10X/18 mm eyepiece. Reversed quadruple revolving nosepiece with achromatic EA objectives 4X, 10X and 40X S. Coarse and fine focusing system with tension adjustment. Built in low position coaxial mechanical stage. Focusable 1.25 N.A. Abbe condenser. Iris diaphragm with filter holder. Halogen 12V/20W illumination with intensity control. Dust cover, blue filter and calibration slide included. Motic Images Plus 2.0 Software for PC and Mac. Power supply 100-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks



sales unit reference	description	pcs per sales unit
BM22-HD1-001	digital microscope DM-1802 C	1
Accessories and spare parts		
BMAC-070-001	achromatic objective EA 60X/0.85/S	1
BMAC-019-001	achromatic objective EA 100X/1.25/S-oil	1

**\*Biological microscope, MOTIC B1 series**

Monocular, binocular or trinocular head (according to model), 45° inclined and 360° rotating. Widefield WF10X/20 mm eyepieces. Quadruple revolving nosepiece with achromatic EA objectives 4X, 10X, 40X S and 100X S-Oil. Coaxial coarse and fine focusing system. Low position coaxial mechanical stage. Focusable 1.25 N.A. Abbe condenser. Iris diaphragm with filter holder. Halogen illumination 12V/20W with intensity control. Blue, yellow and green filters, dust cover and immersion oil included. Main supply 220-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks



sales unit reference	description	pcs per sales unit
BM03-H01-001	microscope B1-211A (monocular head)	1
BM03-H02-001	microscope B1-220A (binocular head)	1
BM03-H03-001	microscope B1-223A (trinocular head)	1
Accessories and spare parts		
BMAC-068-001	widefield eyepiece WF 15X/12 mm	1
BMAC-071-001	achromatic objective 60X/0.85/S	1
BMAC-114-001	plan phase objective PL PH 10X/0.25	1
BMAC-115-001	plan phase objective PL PH 40X/0.65/S	1
BMAC-116-001	10X phase contrast attachment	1
BMAC-117-001	40X phase contrast attachment	1
BMAC-118-001	phase centering telescope, Ø23.2 mm	1
BMAC-119-001	darkfield attachment (max. 400X)	1
BMAC-083-001	0.5X C-mount camera adapter for 1/3" chip sensors	1
BMAC-084-001	0.6X C-mount camera adapter for 1/2" chip sensors	1

**\*High-end biological microscope, MOTIC BA-210 and BA-210 Digital series**

Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. For digital model only: binocular head, Siedentopf type, 30° inclined with built-in digital camera CMOS 1/2" chip 2048 x 1536 pixels with USB 2.0 output. Widefield N-WF10X/20 mm eyepieces. Reversed quadruple nosepiece with CCIS Plan achromatic objectives (Colour Corrected Infinity System) EF-N Plan 4X, EF-N Plan 10X, EF-N Plan 40X S and EF-N Plan 100X S-Oil. Coaxial coarse and fine focusing with tension adjustment. Low position coaxial mechanical stage with controls at right side. Focusable 1.25 N.A. Abbe condenser with iris diaphragm and slot. Blue filter Ø45 mm, dust cover, hexagonal Allen key and immersion oil 5 ml bottle included. Digital model includes calibration slide and Motic Images Plus 2.0 Software for PC and Mac. Halogen illumination 6V/30W with intensity control. Universal supply 100-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks



sales unit reference	description	pcs per sales unit
BM11-H02-001	microscope BA-210 (binocular head)	1
BM11-H03-001	microscope BA-210 (trinocular head)	1
BM11-HD2-001	digital microscope BA-210 (binocular head)	1
<b>Accessories and spare parts</b>		
BMAC-094-001	micrometer reticle, 100 divisions in 10 mm, to be inserted in original eyepiece	1
BMAC-120-001	plan achromatic objective CCIS EF-N 20X/0.40	1
BMAC-121-001	plan achromatic objective CCIS EF-N 60X/0.80/S	1
BMAC-017-001	immersion oil 5 ml	1
BMAC-081-001	0.5X C-mount camera adapter for 1/3" and 1/2" chip sensors	1
<b>Accessories for contrast phase</b>		
BMAC-063-001	CCIS EF-N plan phase achromatic objective Ph10X	1
BMAC-064-001	CCIS EF-N plan phase achromatic objective Ph40X	1
BMAC-082-001	3-position phase slider for PH10X, PH40X, BF	1
BMAC-088-001	contrast phase slider PH1 (for objective EF-N Plan Ph10X)	1
BMAC-089-001	contract phase slider PH2 (for objective EF-N Plan Ph40X)	1
BMAC-090-001	phase centering telescope	1
BMAC-091-001	dark field slider (10X-40X)	1
<b>Accessories for polarization</b>		
BMAC-122-001	simple add on analyzer	1
BMAC-123-001	simple add on polarizer	1



We will be glad to welcome you at ARABLAB 2014, Dubai UAE, from March 17 to 20, booth 856

**\*High-end biological microscope, MOTIC BA-310 and BA-310 Digital series**

Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. For digital model only: binocular head, Siedentopf type, 30° inclined with built-in digital camera CMOS 1/2" chip 2048 x 1536 pixels with USB 2.0 output. Widefield high eyepoint N-WF10X/20 mm eyepieces with dioptic adjustment in both eyepieces. Reversed quintuple revolving nosepiece with CCIS Plan Achromatic objectives (Colour Corrected Infinity System) EF-N Plan 4X, EF-N Plan 10X, EF-N Plan 40X S and EF-N Plan 100X S-Oil. Coaxial coarse and fine focusing with tension adjustment. Low position coaxial mechanical stage with controls at right side. Focusable 1.25 N.A. Abbe condenser with iris diaphragm and slot. Blue filter Ø45 mm, dust cover, hexagonal Allen key and immersion oil 5 ml bottle included. Digital model includes calibration slide and Motic Images Plus 2.0 Software for PC and Mac. Koehler halogen illumination 6V/30W with intensity control. Universal supply 100-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks



sales unit reference	description	pcs per sales unit
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BM17-H02-001	microscope, BA-310, binocular head	1
BM17-H03-001	microscope, BA-310, trinocular head	1
BM17-HD2-001	microscope, BA-310 Digital, binocular head	1
Accessories and spare parts		
BMAC-094-001	micrometer reticle, 100 divisions in 10 mm, to be inserted in original eyepiece	1
BMAC-120-001	plan achromatic objective CCIS EF-N 20X/0.40	1
BMAC-121-001	plan achromatic objective CCIS EF-N 60X/0.80/S	1
BMAC-017-001	immersion oil 5 ml	1
BMAC-081-001	0.5X C-mount camera adapter for 1/3" and 1/2" chip sensors	1

Accessories for contrast phase

BMAC-124-001	CCIS plan phase objective (+) EC-H Ph10X/0.25	1
BMAC-125-001	CCIS plan phase objective (+) EC-H Ph20X/0.45	1
BMAC-126-001	CCIS plan phase objective (+) EC-H Ph40X/0.65/S	1
BMAC-127-001	CCIS plan phase objective (+) EC-H Ph100X/1.25/S-Oil	1
BMAC-128-001	5 position (BF, DF, PH1, PH2, PH3) turret condenser	1
BMAC-090-001	phase centering telescope	1

Accessories for polarization

BMAC-129-001	simple add on analyzer	1
BMAC-123-001	simple add on polarizer	1

**\*High-end biological microscope, MOTIC BA-410 series**

Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. Widefield high eyepoint WFPL10X/20 mm eyepieces with dioptic adjustment and protectors in both eyepieces. Reversed sextuple nosepiece with CCIS Plan achromatic objectives (Colour Corrected Infinity System) EC-H Plan 4X, 10X, 40X S and 100X S-Oil. Coaxial coarse and fine focusing with tension adjustment. Low position coaxial mechanical stage with controls at right side. Achromat swing-out condenser N.A. 0.90 with iris diaphragm. Blue filter Ø45 mm, dust cover, hexagonal Allen key and immersion oil 5 ml bottle included. Koehler halogen illumination 6V/30W with external lamp house and intensity control. Universal supply 100-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
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BM19-H02-001	biologic microscope, BA-410B, binocular head	1
BM19-H03-001	biologic microscope, BA-410T, trinocular head	1
Accessories and spare parts		
BMAC-094-001	micrometer reticle, 100 divisions in 10 mm, to be inserted in original eyepiece	1
BMAC-081-001	0.5X C-mount camera adapter for 1/3" and 1/2" chip sensors	1



**\*High-end biological inverted microscope, MOTIC AE-2000 series**

Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. Widefield high eyepoint N-WF10X/20 mm eyepieces with dioptic adjustment and protectors in both eyepieces. Side facing quadruple nosepiece with CCIS Plan achromatic objectives (Colour Corrected Infinity System) PL4X and LWD PL40X and CCIS Plan Achromatic Phase objectives PL Ph1 0X (Ph1) and LWD PL Ph20X (Ph 1). ELWD condenser N.A. 0.30. Phase slider Ph1, BF, Ph2. Phase centering telescope. Plain stage with metal and glass stage inserts. Ø 45 mm blue, green interference and neutral density filters with filter slider, dust cover, hexagonal Allen key and immersion oil 5 ml bottle included. Quartz halogen illumination 6V/30W with intensity control and sleeping mode. Universal supply 100-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
BM25-H02-001	biologic microscope, AE2000, binocular head	1
BM25-H03-001	biologic microscope, AE2000, trinocular head	1

Accessories and spare parts

BMAC-130-001	micrometer reticle, 100 divisions in 10 mm, to be inserted in original eyepiece	1
BMAC-081-001	0.5X C-mount camera adapter for 1/3" and 1/2" chip sensors	1



**\*Petrographic microscope, MOTIC PM-2805 series**

Monocular head 45° inclined and 360° rotating. Widefield WF 10X/18 mm eyepieces with cross reticle. Reversed quadruple revolving nosepiece with achromatic objectives EA 4X, 10X and 40X S. Slide in analyser provides choice of 1/4 lambda plate or lambda plate and Bertrand lens. Coaxial coarse and fine focusing adjustment. Working table rotating from 0–360° with graduation to 1°. Focusable 1.25 N.A. Abbe condenser. Iris diaphragm with filter holder. Halogen illumination 12V/20W with intensity control. Dust cover included. Supply 220-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
PM02-H01-001	petrographic microscope PM-2805	1



**\*Stereomicroscope, MOTIC ST-30C series**

Binocular head 45° inclined. Widefield WF10X/20mm eyepieces. Turret-type magnification changer with 2X and 4X objectives. Incident and transmitted (according to model) tungsten 12V/10W or LED 20 mA, 3.5V, 70 mW illumination. Dust cover included. Supply 220-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
SM01-TT2-001	stereomicroscope ST-30C-12LOO (tungsten illumination)	1
SM01-LL2-001	stereomicroscope ST-30C-6LED Cordless (LED illumination)	1

Accessories and spare parts

BMAC-132-001	micrometer eyepiece WF 10X/20 mm, 100 divisions in 10 mm	1
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**\*Stereomicroscope, MOTIC SFC-11 series**

Binocular head 45° inclined 360° rotating. Widefield WF10X/20 mm eyepieces. Turret-type magnification changer with 3 objective options: Type A (1X, 2X); Type B (1X, 3X) and Type C (2X, 4X). 95 mm working distance. 2LBB: base with fixed arm and incident and transmitted illumination. Incident and transmitted tungsten 12V/10W illumination. Dust cover included. Supply 220-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
SM02-TTA-001	stereo microscope SFC-11A-2LBB (objectives 1X, 2X)	1
SM02-TTB-001	stereo microscope SFC-11B-2LBB (objectives 1X, 3X)	1
SM02-TT2-001	stereo microscope SFC-11C-2LBB (objectives 2X, 4X)	1

Accessories and spare parts

BMAC-132-001	micrometer eyepiece WF 10X/20 mm, 100 divisions in 10 mm	1
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**\*Stereomicroscope, MOTIC SMZ-140 series**

Greenough zoom optical system. Binocular or trinocular head (according to model) 45° inclined and 360° rotating. Widefield WF10X/20 mm eyepieces. Zoom ratio 4:1 and magnification range 1X-4X. 95 mm working distance. N2GG: base stand with pole and head holder and incident and transmitted illumination. Incident halogen 12V/15W illumination with intensity control and transmitted halogen 12V/10W illumination with intensity control. Dust cover included. Supply 220-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
SM05-HH2-001	stereomicroscope SMZ-140-N2GG (binocular head)	1
SM05-HH3-001	stereomicroscope SMZ-143-N2GG (trinocular head)	1

Accessories and spare parts

BMAC-132-001	micrometer eyepiece WF 10X/20 mm, 100 divisions in 10 mm	1
BMAC-135-001	0.4X C-mount camera adapter for 1/4" and 1/3" chip sensors	1
BMAC-136-001	0.5X C-mount camera adapter for 1/2" and 2/3" chip sensors	1



**\*Digital stereomicroscope, MOTIC DM-143-FBGG series**

Greenough zoom optical system. Binocular head 45° inclined with built-in digital camera CMOS 1/2" chip 2048 x 1536 pixels with USB 2.0 output. Widefield WF10X/20 mm eyepieces. Zoom ratio 4:1 and magnification range 1X-4X. 80 mm working distance. FBGG: pole type stand with large working base. Coarse focusing system with tension adjustment. Incident and transmitted halogen 12V/10W illumination with intensity control. Dust cover and calibration slide included. Motic Images Plus 2.0 Software for PC and Mac. Universal supply 100-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
SM11-HH2-001	digital stereomicroscope DM-143-FBGG-C	1

Accessories and spare parts

BMAC-132-001	micrometer eyepiece WF 10X/20 mm, 100 divisions in 10 mm	1
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**\*Stereomicroscope, MOTIC SMZ-168 series**

Greenough zoom optical system. Binocular or trinocular head (according to model) 35° inclined and 360° rotating. Widefield WF10X/23 mm eyepieces. Zoom ratio 6.7:1 and magnification range 0.75X-5X. 113 mm working distance. Base (according to model): 2113 (without illumination) or 2111 (with double halogen 12V/10W illumination with intensity control). Coarse focusing system with tension adjustment. Dust cover included. Supply 100-240 V (CE). Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
SM07-002-001	SMZ-168-BP (binocular head / without illumination)	1
SM07-HH2-001	SMZ-168-BL (binocular head / with illumination)	1
SM07-003-001	SMZ-168-TP (trinocular head / without illumination)	1
SM07-HH3-001	SMZ-168-TL (trinocular head / with illumination)	1

Accessories and spare parts

BMAC-092-001	micrometer eyepiece WF 10X/23 mm, 140 divisions in 14 mm	1
BMAC-137-001	0.35X C-mount camera adapter for 1/4" chip sensors	1
BMAC-078-001	0.45X C-mount camera adapter for 1/3" chip sensors	1
BMAC-110-001	0.65X C-mount camera adapter for 1/2" and 2/3" chip sensors	1



**Lens cleaning tissue**

In packs of 100 sheets

sales unit reference	l (mm)	w (mm)	surface weight	pcs per sales unit
LENS-100-100	100	150	11 g/m <sup>2</sup>	100





**\*Fiber optic illumination system MOTIC MLC-150**

Local / remote commuter with intensity control. Intensity remote control (2 m). LED reading of colour temperature. Universal supply 100-240 V (CE). Warranty 2 years. Delivery time 2 weeks

sales unit reference	description	pcs per sales unit
BMAC-065-001	MLC-150 fiber optic illuminator	1
Accessories and spare parts		
BMAC-138-001	21 V/150 W halogen bulb for MLC-150	1
BMAC-139-001	blue filter for MLC-150	1



**\*Light guides for illumination system MLC-150**

Gooseneck 1 or 2-arms light guide in fiber optic. 0.5 m length and 200 mm bending radius. Delivery time 2 weeks

sales unit reference	description	pcs per sales unit
BMAC-066-001	gooseneck 1-arm light guide	1
BMAC-067-001	gooseneck bifurcated light guide	1



**\*Ring light guide for illumination system MLC-150**

Ring light guide Ø 61 mm. 1 m length and 225 mm bending radius. Fits SMZ-140 and SMZ-168 line of stereomicroscopes. Delivery time 2 weeks

sales unit reference	description	pcs per sales unit
BMAC-140-001	ring light guide Ø 61 mm	1



**\*LED ring illumination for MOTIC SMZ-140 and SMZ-168 series**

With dimmable intensity or dimmable and segmentable intensity (according to model). 6500 °K or 6800 °K color temperature (according to model). Warranty 2 years. Delivery time 2 weeks

sales unit reference	description	pcs per sales unit
BMAC-107-001	LED ring illumination 60T-B dimmable (6800 °K)	1
BMAC-141-001	LED ring illumination 60T dimmable and segmentable (6500 °K)	1



**\*MOTICAM series digital cameras**

Attachable C-mount digital camera for microscopy with USB 2.0 output. Focusable macro lens. Eyepiece couplers for connection to the most common microscope eyepieces (of any brand). Calibration slide included. Moti Images Plus 2.0 Software for image capture and edition with Windows (multilanguages software, English included) and Mac (only in English). Warranty 2 years. Delivery time 2 weeks

sales unit reference	description	pcs per sales unit
CM05-005-001	digital camera MOTICAM 1 (CMOS 1/4" sensor, 800x600 pixels)	1
CM05-013-001	digital camera MOTICAM 1SP (CMOS 1/3" sensor, 1.3 Mpixels)	1
CM05-020-001	digital camera MOTICAM 2 (CMOS 1/3" sensor, 2.0 Mpixels)	1
CM05-030-001	digital camera MOTICAM 3 (CMOS 1/2" sensor, 3.0 Mpixels)	1
CM05-050-001	digital camera MOTICAM 5 (CMOS 1/2.5" sensor, 5.0 Mpixels)	1
CM05-100-001	digital camera MOTICAM 10 (CMOS 1/2.5" sensor, 10.0 Mpixels)	1

**\*MOTICAM 580 analogue/digital camera**

Attachable C-mount analogue/digital camera for microscopy with HDMI (1080p) output, USB output and 800 x 600 pixels resolution. Images can be captured directly onto an SD card at 5.0 Mp resolution. Focusable macro lens. Eyepiece couplers for connection to the most common microscope eyepieces (of any brand). Calibration slide included. Motic Images Plus 2.0 Software for image capture and edition with Windows (multilanguages software, English included) and Mac (only in English). Warranty 2 years. Delivery time 2 weeks



sales unit reference	description	pcs per sales unit
CM06-005-001	digital/analog camera MOTICAM 580	1

**\*Wi-Fi digital camera model MOTICAM X**

Digital camera for microscopy with Wi-Fi output with an attachable C-mount. Live resolution : 1.3 MP (1280 x 1024 pixels). Sensor: CMOS. Optical calculation: 1/3". Focusable lens: 12mm. 2 variable diameter eyepiece adaptors. Macrotube for specimens observation. USB supply. Motic Images Plus 2.0 ML for PC and Mac. Motic 4-dot calibration slide. Operating system: Windows XP or higher, Mac OSX, Android and iOS. Supply 100V-240V (CE). Warranty 2 years. Delivery time 2 weeks



sales unit reference	description	pcs per sales unit
CM08-001-001	Wi-Fi digital camera MOTICAM X	1

**\*Analogic/digital multi-output camera with MOTIC HD display series MOTICAM 580 INT**

Analogic/digital multi-output camera with 10" MOTIC TFT HD display, only compatible with BA series microscopes. Sensor: CMOS. Live resolution: 1280X960 pixels through USB, still resolution: 5.0M pixels onto SD card. Video recording in HD 1080p. Optical calculation: 1/2,5". SD or SDHC (32GB max) slot and remote control. Output: USB, HDMI 1080, RCA. Motic Images Plus 2.0 for PC and MAC. Motic 4-dot calibration slide. Operating system: Windows XP or higher, Mac OSX. Universal transformer 100-240V (CE). Warranty 2 years. Delivery time 2 weeks



sales unit reference	description	pcs per sales unit
CM06-INT-001	multi-output camera MOTICAM 580 INT	1

**\*Digital microscope station BA HD**

Biological microscope with 5 Megapixels, HDMI and USB outputs, SD slot, remote control and 10" HD display. Two models are available:

Digital Microscope Station BA210 HD (please check BA210 binocular head and Moticam 580 INT camera technical specs)

Digital Microscope Station BA310 HD (please check BA310 binocular head and Moticam 580 INT camera technical specs)

Warranty 5 years on optical and mechanical components. Delivery time 2-3 weeks

sales unit reference	description	pcs per sales unit
BM11-HD5-001	digital microscope station BA210 HD (binocular BA210 with Moticam 580 INT)	1
BM17-HD5-001	digital microscope station BA310 HD (binocular BA310 with Moticam 580 INT)	1





### Laboratory bottle with ISO thread, graduated, borosilicate 3.3

Made of borosilicate glass LBG 3.3. Fully autoclavable. GL 45 thread, according to ISO 4796  
With blue screw cap and pouring ring in polypropylene

sales unit reference	capacity	∅ <sub>base</sub> (mm)	h (mm)	thread	pcs per sales unit
SBG3-100-010	100 ml	56	100	GL 45	10
SBG3-250-010	250 ml	70	138	GL 45	10
SBG3-500-010	500 ml	86	176	GL 45	10
SBG3-1K0-010	1000 ml	101	225	GL 45	10
SBG3-2K0-001	2000 ml	136	260	GL 45	1
SBG3-5K0-001	5000 ml	186	330	GL 45	1
SBG3-10K-001	10000 ml	234	410	GL 45	1
SBG3-20K-001	20000 ml	299	505	GL 45	1



### Laboratory bottle with ISO thread, graduated, borosilicate 3.3, amber

Made of amber borosilicate glass LBG 3.3. Fully autoclavable. GL 45 thread, according to ISO 4796. With blue screw cap and pouring ring in polypropylene

sales unit reference	capacity	∅ <sub>base</sub> (mm)	h (mm)	thread	pcs per sales unit
SBGA-100-010	100 ml	56	100	GL 45	10
SBGA-250-010	250 ml	70	138	GL 45	10
SBGA-500-010	500 ml	86	176	GL 45	10
SBGA-1K0-010	1000 ml	101	225	GL 45	10
SBGA-2K0-001	2000 ml	136	260	GL 45	1



### Accessories for laboratory bottles with ISO thread

Cap and pouring ring in blue polypropylene to be used up to 140 °C. Cap in red PBTB with silicone gasket PTFE-covered and ring in red ETFE both to be used up to 200 °C. GL 45 thread

sales unit reference	description	pcs per sales unit
SBGP-A01-001	blue cap, max. temp. 140 °C	1
SBGP-A02-001	red cap, max. temp. 200 °C	1
SBGP-A03-001	blue pouring ring, max. temp. 140 °C	1
SBGP-A04-001	red pouring ring, max. temp. 200 °C	1



### Glass jar with screw cap

Made of neutral glass LBG N. White lid

sales unit reference	capacity	∅ (mm)	h (mm)	screw	pcs per sales unit
TRTN-100-090	100 ml	46	96	TO43	90
TRTN-450-030	450 ml	67	169	TO63	30
TRTN-720-020	720 ml	82	173	TO77	20
TRTN-950-016	950 ml	93	178	TO77	16



### PTFE bottle, wide mouth

With screw cap (included). Chemically inert and thermally stable, -200 °C to +280 °C

sales unit reference	capacity	∅ (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs per sales unit
FRAT-025-001	25 ml	33	61	19	1
FRAT-100-001	100 ml	52	88	35	1
FRAT-250-001	250 ml	67	115	42	1



**Wide mouth bottle, HDPE**

With black lid and insert plug

sales unit reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs per sales unit
TROP-060-010	60 ml	57	45	46	10
TROP-125-010	125 ml	59	70	46	10
TROP-250-010	250 ml	67	98	62	10
TROP-500-010	500 ml	80	132	62	10
TROP-750-010	750 ml	99	127	86	10
TROP-1K0-010	1000 ml	102	151	86	10
TROP-2K0-001	2000 ml	118	227	86	1
"Saving package"					
TROP-060-500	60 ml	57	45	46	500
TROP-125-300	125 ml	59	70	46	300
TROP-250-280	250 ml	67	98	62	280
TROP-500-160	500 ml	80	132	62	160
TROP-750-112	750 ml	99	127	86	112
TROP-1K0-090	1000 ml	102	151	86	90
TROP-2K0-064	2000 ml	118	227	86	64

**Wide mouth bottle, HDPE, aseptic and single film wrapped**

With black lid and insert plug

sales unit reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs per sales unit
TRAP-060-500	60 ml	57	45	46	500
TRAP-125-300	125 ml	59	70	46	300
TRAP-250-280	250 ml	67	98	62	280
TRAP-500-160	500 ml	80	132	62	160
TRAP-750-144	750 ml	99	127	86	144
TRAP-1K0-090	1000 ml	102	151	86	90

**Wide mouth bottle, HDPE, opaque**

Bottle and lids are made in white opaque colour. Insert plug included

sales unit reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs per sales unit
TRWP-060-010	60 ml	57	45	46	10
TRWP-125-010	125 ml	59	70	46	10
TRWP-250-010	250 ml	67	98	62	10
TRWP-500-010	500 ml	80	132	62	10
TRWP-750-010	750 ml	99	127	85	10
TRWP-1K0-010	1000 ml	102	151	86	10

**Specimen container, screwed cap, polypropylene**

Autoclavable, with raised graduations and leak-proof closure. Orange lids, except for SCNP-150-300 (in white)

sales unit reference	overflow capacity	Ø <sub>base</sub> (mm)	Ø <sub>lid</sub> (mm)	h <sub>total</sub> (mm)	graduation	pcs per sales unit
SCNP-030-1K0	25 ml	31	37	44	each 5 ml up to 20 ml	1000
SCNP-050-600	50 ml	34	40	70	each 10 ml up to 40 ml	600
SCNP-080-500	80 ml	40	48	64	each 10 ml up to 60 ml	500
SCNP-150-300	150 ml	52	58	80	each 10 ml up to 120 ml	300





### Tamper evident jar

Leak-proof screw cap made of HDPE with security sealing. Body made of PP. Body and cap are made in white color. Ideal for solid sampling, stocking and transport

sales unit reference	capacity	Ø (mm)	h (mm)	pcs per sales unit
TRPP-050-020	50 ml	35	50	20
TRPP-100-020	100 ml	50	60	20
TRPP-250-020	250 ml	65	85	20
TRPP-500-020	500 ml	90	110	20
TRPP-1K0-020	1000 ml	110	120	20



### Clear glass bottle

Made of Type III Soda-lime glass according to USP. Requires PP28 screw cap (not included)

sales unit reference	capacity	Ø (mm)	h (mm)	screw	pcs per sales unit
FRAN-030-108	30 ml	35	67	PP28	108
FRAN-060-084	60 ml	38,6	94	PP28	84
FRAN-125-060	125 ml	49	114,4	PP28	60
FRAN-250-060	250 ml	61,7	142,9	PP28	60
FRAN-500-035	500 ml	76,8	176,8	PP28	35
FRAN-1K0-020	1000 ml	97,5	215,6	PP28	20



### Amber glass bottle

Made of Type III Soda-lime glass according to USP. Requires PP28 screw cap (not included)

sales unit reference	capacity	Ø (mm)	h (mm)	screw	pcs per sales unit
FRAA-030-110	30 ml	35	67	PP28	110
FRAA-060-100	60 ml	38,6	94	PP28	100
FRAA-125-070	125 ml	49	114,4	PP28	70
FRAA-250-060	250 ml	61,7	142,9	PP28	60
FRAA-500-035	500 ml	76,8	176,8	PP28	35
FRAA-1K0-020	1000 ml	97,5	215,6	PP28	20



### Clear PET bottle

Requires PP28 screw cap (not included)

sales unit reference	capacity	Ø (mm)	h (mm)	screw	pcs per sales unit
FPET-060-085	60 ml	38	96	PP28	85
FPET-120-187	120 ml	48	115	PP28	187
FPET-250-126	250 ml	58	148	PP28	126
FPET-500-084	500 ml	69	180	PP28	84



### Amber PET bottle

Requires PP28 screw cap (not included)

sales unit reference	capacity	Ø (mm)	h (mm)	screw	pcs per sales unit
FPTA-060-085	60 ml	38	96	PP28	85
FPTA-120-187	120 ml	48	115	PP28	187
FPTA-250-126	250 ml	58	148	PP28	126
FPTA-500-084	500 ml	69	180	PP28	84

### PP28 mouth bottle, HDPE

Requires PP28 screw cap (not included)

sales unit reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs per sales unit
FRIP-030-010	30 ml	36	86	20	10
FRIP-050-010	50 ml	35	90	20	10
FRIP-100-010	100 ml	40	105	20	10
FRIP-250-010	250 ml	58	158	20	10
FRIP-500-010	500 ml	70	158	20	10
FRIP-1K0-010	1000 ml	90	213	20	10
"Saving package"					
FRIP-030-1K0	30 ml	36	86	20	1000
FRIP-050-800	50 ml	35	90	20	800
FRIP-100-400	100 ml	40	105	20	400
FRIP-250-350	250 ml	58	158	20	350
FRIP-500-180	500 ml	70	158	20	180
FRIP-1K0-104	1000 ml	90	213	20	104



### PE screw cap PP28

For our glass bottles references FRAN/FRAA, PET bottles references FPET/FPTA and HDPE bottles references FRIP

sales unit reference	screw	color	pcs per sales unit
TP28-001-020	PP28	white	20
TP28-002-020	PP28	black	20
TP28-003-020	PP28	yellow	20
TP28-004-020	PP28	blue	20
TP28-005-020	PP28	red	20
TP28-007-020	PP28	orange	20
2000 units "Saving package"			
TP28-001-2K0	PP28	white	2000



### Screw cap dropper PP28

Screw cap with dropper-lid. Lid orifice of 3 mm diameter. For our glass bottles FRAN and FRAA

sales unit reference	screw	color	pcs per sales unit
TP28-201-020	PP28	white	20



### Counter drop screw cap PP28

Polyethylene counter drop screw cap with seal, nitrile teat and glass tube. For converting to counter-drops our glass bottles FRAN/FRAA, PET bottles FPET/FPTA and HDPE bottles FRIP

sales unit reference	screw	type	pcs per sales unit
CG28-030-010	PP28	for 30 ml bottle	10
CG28-060-010	PP28	for 60 ml bottle	10
CG28-125-010	PP28	for 125 ml bottle	10





### Glass bottle with counter drop screw cap DIN-18

Made of Type III Soda-lime glass according to USP. Available in amber glass. Requires polyethylene counter drop screw cap with seal, silicone teat and glass tube (not included)

sales unit reference	capacity	∅ (mm)	h (mm)	screw	pcs per sales unit
<b>Amber glass bottle without cap</b>					
FRGA-005-255	5 ml	22	50	DIN-18	255
FRGA-010-192	10 ml	25	58	DIN-18	192
FRGA-015-156	15 ml	28	65	DIN-18	156
FRGA-020-156	20 ml	29	71	DIN-18	156
FRGA-030-110	30 ml	33	79	DIN-18	110
FRGA-050-088	50 ml	37	92	DIN-18	88
FRGA-100-070	100 ml	44	112	DIN-18	70
<b>Counter drop screw</b>					
CG18-005-255		for 5 ml bottle			255
CG18-010-192		for 10 ml bottle			192
CG18-015-156		for 15 ml bottle			156
CG18-020-156		for 20 ml bottle			156
CG18-030-110		for 30 ml bottle			110
CG18-050-088		for 50 ml bottle			88
CG18-100-070		for 100 ml bottle			70



### Wide mouth bottle, HDPE

Requires screw cap D34 (not included)

sales unit reference	capacity	∅ (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs per sales unit
FRAP-125-010	125 ml	48	108	34	10
FRAP-250-010	250 ml	58	133	34	10
FRAP-500-010	500 ml	74	163	34	10
FRAP-1K0-010	1000 ml	90	207	34	10
<b>"Saving package"</b>					
FRAP-125-350	125 ml	48	108	34	350
FRAP-250-350	250 ml	58	133	34	350
FRAP-500-180	500 ml	74	163	34	180
FRAP-1K0-112	1000 ml	90	207	34	112



### Wide mouth bottle, HDPE, for photosensitive products

Black colour. Requires screw cap D34 (not included)

sales unit reference	capacity	∅ (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs per sales unit
FRBP-125-010	125 ml	48	108	34	10
FRBP-250-010	250 ml	58	133	34	10
FRBP-500-010	500 ml	74	163	34	10
FRBP-1K0-010	1000 ml	90	207	34	10

### PE screw cap with tamper-proof closure D34

For our wide neck bottles FRAP and FRBP

sales unit reference	color	pcs per sales unit
TP34-301-010	white	10
TP34-302-010	black	10
TP34-304-010	blue	10
TP34-305-010	red	10
TP34-306-010	green	10



### Narrow mouth bottle, LDPE

For converting to counter-drops using dropper nozzle with screw cap D17

sales unit reference	capacity	∅ (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs per sales unit
FRLP-050-010	50 ml	35	81	17	10
FRLP-125-010	125 ml	48	108	17	10
FRLP-250-010	250 ml	58	128	17	10



### PE dropper nozzle with screw cap D17

To use our narrow mouth bottle FRLP as a counter drop

sales unit reference	color	pcs per sales unit
CA17-001-010	white	10
CA17-004-010	blue	10
CA17-005-010	red	10



### Spray bottle

Made of low density polypropylene LDPE

sales unit reference	capacity	pcs per sales unit
FVAP-500-001	500 ml	1
FVAP-900-001	900 ml	1



### Graduated wide mouth bottle, cylindrical, PP

Autoclavable at 121 °C. Standard thread according to DIN 13316 and 168

sales unit reference	capacity	graduation	∅ (mm)	h (mm)	DIN screw	pcs per sales unit
FRKP-050-100	50 ml	10 ml	38	88	GL32	100
FRKP-100-100	100 ml	20 ml	48	105	GL32	100
FRKP-250-050	250 ml	25 ml	60	140	GL45	50
FRKP-500-025	500 ml	100 ml	75	170	GL45	25
FRKP-1K0-017	1000 ml	100 ml	95	206	GL63	17
FRKP-2K0-015	2000 ml	100 ml	120	252	GL63	15



### Narrow neck graduated bottle, cylindrical, LDPE, for photosensitive products

With screw cap and insert plug. With rings in bottle body and cap for security sealing

sales unit reference	capacity	∅ (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs per sales unit
FRDP-250-050	250 ml	60	138	23	50
FRDP-500-115	500 ml	74	165	23	115
FRDP-1K0-100	1000 ml	93	201	34,5	100
FRDP-2K0-055	2000 ml	116	275	34,5	55



**Wide mouth bottle graduated, cylindrical, LDPE, with star cap**

With screw cap and insert plug. With rings in bottle body and cap for security sealing



sales unit reference	capacity	graduation	∅ (mm)	h (mm)	pcs per sales unit
FRRP-050-001	50 ml	10 ml	40	78	1
FRRP-100-001	100 ml	20 ml	48	90	1
FRRP-250-001	250 ml	25 ml	61	125	1
FRRP-500-001	500 ml	50 ml	75	161	1
FRRP-1K0-001	1000 ml	100 ml	93	201	1
FRRP-2K0-001	2000 ml	100 ml	115	250	1
"Saving package"					
FRRP-050-600	50 ml	10 ml	40	78	600
FRRP-100-400	100 ml	20 ml	48	90	400
FRRP-250-350	250 ml	25 ml	61	125	350
FRRP-500-120	500 ml	50 ml	75	161	120
FRRP-1K0-115	1000 ml	100 ml	93	201	115
FRRP-2K0-060	2000 ml	100 ml	115	250	60

**Wide mouth bottle graduated, rectangular, HDPE, with star cap**

With screw cap and insert plug. With rings in bottle body and cap for security sealing



sales unit reference	capacity	l (mm)	w (mm)	h (mm)	pcs per sales unit
FRSP-050-001	50 ml	37	37	72	1
FRSP-100-001	100 ml	44	46	90	1
FRSP-250-001	250 ml	55	60	115	1
FRSP-500-001	500 ml	66	80	136	1
FRSP-1K0-001	1000 ml	82	102	177	1
FRSP-2K0-001	2000 ml	101	134	215	1
"Saving package"					
FRSP-050-600	50 ml	37	37	72	600
FRSP-100-300	100 ml	44	46	90	300
FRSP-250-350	250 ml	55	60	115	350
FRSP-500-100	500 ml	66	80	136	100
FRSP-1K0-115	1000 ml	82	102	177	115
FRSP-2K0-070	2000 ml	101	134	215	70

**Security seal for bottles**

Allows you to seal the bottle having rings in bottle body and cap for security (for example labbox references FRRP, FRGP, FRDP and FRSP). Each seal have a single serial number printed



sales unit reference	type	pcs per sales unit
SSEP-001-020	red plastic	20
SSEP-002-010	stainless steel wire	10



### Narrow neck graduated bottle, cylindrical, LDPE

With screw cap and insert plug. With rings in bottle body and cap for security sealing

sales unit reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs per sales unit
FRGP-050-001	50 ml	39	76	18,5	1
FRGP-125-001	125 ml	46	115	18,5	1
FRGP-250-001	250 ml	60	138	23	1
FRGP-500-001	500 ml	74	165	23	1
FRGP-1K0-001	1000 ml	93	201	34,5	1
FRGP-2K0-001	2000 ml	116	275	34,5	1
"Saving package"					
FRGP-050-100	50 ml	39	76	18,5	100
FRGP-125-100	125 ml	46	115	18,5	100
FRGP-250-050	250 ml	60	138	23	50
FRGP-500-115	500 ml	74	165	23	115
FRGP-1K0-100	1000 ml	93	201	34,5	100
FRGP-2K0-055	2000 ml	116	275	34,5	55



### Water sampling bottles, PP

Bottles with raised graduation, wide mouth for easy filling and square shape that optimizes packaging and transport. Sterilized by irradiation: sterility is guaranteed until the seal is broken and the cap opened. Available with predosed sodium thiosulfate (20 mg/l), according to ISO 19458. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

sales unit reference	capacity	type	pcs per sales unit
WSBP-250-216	250 ml	sterile without thiosulfate	216
WSBP-25T-216	250 ml	sterile with thiosulfate	216
WSBP-500-120	500 ml	sterile without thiosulfate	120
WSBP-50T-120	500 ml	sterile with thiosulfate	120
WSBP-1K0-072	1000 ml	sterile without thiosulfate	72
WSBP-1KT-072	1000 ml	sterile with thiosulfate	72



### Clear crimp cap sample vial

Made of Type III Soda-lime glass according to US Pharmacopeia. Requires caps and closures 20 mm diameter (not included)

sales unit reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	pcs per sales unit
IVMN-010-195	10 ml	25,4	53,5	195
IVMN-020-120	20 ml	32	58	120
IVMN-030-092	30 ml	36	62,8	92
IVMN-050-081	50 ml	42,5	73	81
IVMN-100-049	100 ml	51,6	94,5	49



### Amber crimp cap sample vial

Made of Type III Soda-lime glass according to US Pharmacopeia. Requires caps and closures 20 mm diameter (not included)

sales unit reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	pcs per sales unit
IVMA-010-192	10 ml	25,4	53,5	192
IVMA-020-120	20 ml	32	58	120





### Cap and closures for 20 mm crimp cap vials

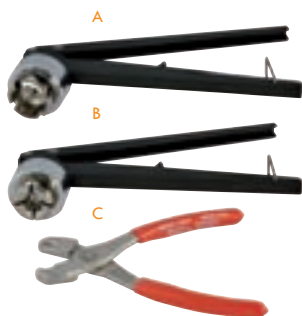
Aluminium caps and chlorobutyle closures for sample vials Ref. IVMN, IVMA

sales unit reference	type	pcs per sales unit
CIVM-001-100	crimp seal, removable center	100
CIVR-001-100	aluminium cap closure	100
DIVR-001-100	drying closure	100

### Hand crimper and decapper

To crimp and to de-crimp vials with aluminum caps

sales unit reference	type	pcs per sales unit
Crimpers (A)		
VCRI-C11-001	for Ø11 mm caps	1
VCRI-C20-001	for Ø20 mm caps	1
Decappers (B)		
VCRI-D11-001	for Ø11 mm caps	1
VCRI-D20-001	for Ø20 mm caps	1
Plier type decappers (C)		
VCRI-P11-001	for Ø11 mm caps	1
VCRI-P20-001	for Ø20 mm caps	1



### Sample transport tube with skirt

Made of PP with white HDPE screw cap (included). With conical bottom and skirt, molded graduation each 0,5 ml and frosted writing surface

sales unit reference	capacity	Ø <sub>tube</sub> (mm)	Ø <sub>cap</sub> (mm)	h (mm)	pcs per sales unit
SVSP-005-100	5 ml	16	20	60	100
SVSP-010-100	10 ml	16	20	96	100



### McCartney glass bottle with aluminum screw cap

Made of borosilicate glass. Aluminium screw cap and silicon liner included. Particularly used in microbiology. Autoclavable

sales unit reference	capacity	Ø (mm)	h (mm)	pcs per sales unit
MCBN-025-125	25 ml	28	85	125



### Clear glass sample vial

With white screw cap and EPE joint (included)

sales unit reference	normal capacity	overflow capacity	Ø (mm)	h (mm)	pcs per sales unit
SVSN-C04-306	3,5 ± 0,5 ml	3,85 ± 0,5 ml	16	35	306
SVSN-C06-306	5 ± 0,5 ml	5,5 ± 0,5 ml	16	45	306
SVSN-C10-195	8 ± 0,5 ml	9,5 ± 0,5 ml	22	45	195
SVSN-C13-195	11 ± 1,0 ml	12,5 ± 1,0 ml	24	45	195
SVSN-C19-195	16 ± 1,0 ml	17,5 ± 1,0 ml	24	60	195
SVSN-C26-121	22 ± 0,5 ml	24,5 ± 0,5 ml	30	55	121
"Saving package"					
SVSN-C04-1K2	3,5 ± 0,5 ml	3,85 ± 0,5 ml	16	35	1224
SVSN-C06-1K2	5 ± 0,5 ml	5,5 ± 0,5 ml	16	45	1224
SVSN-C10-780	8 ± 0,5 ml	9,5 ± 0,5 ml	22	45	780
SVSN-C13-780	11 ± 1,0 ml	12,5 ± 1,0 ml	24	45	780
SVSN-C19-780	16 ± 1,0 ml	17,5 ± 1,0 ml	24	60	780
SVSN-C26-484	22 ± 0,5 ml	24,5 ± 0,5 ml	30	55	484





### Screw cap for sample vials

Replacement screw cap and EPE joint for labbox vials SVSN and SVSA

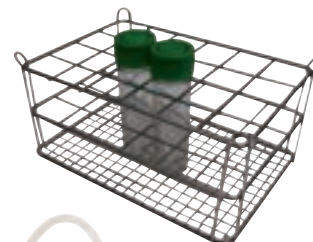
sales unit reference	type	pcs per sales unit
SC04-W13-025	white screw cap Ø13 for SVSN/SVSA -C04 and -C06	25
SC04-B13-025	black screw cap Ø13 for SVSN/SVSA -C04 and -C06	25
SC04-W20-025	white screw cap Ø20 for SVSN/SVSA -C10, -C13 and -C19	25
SC04-W22-025	white screw cap Ø13 for SVSN/SVSA -C26, -C32 and -C37	25



### Stainless steel vial rack

For sample vials SVSN and SVSA

sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
TTSS-S48-001	30	160	122	for 8 x 6 vials (< Ø16 mm)	1
TTSS-T48-001	30	209	160	for 8 x 6 vials (< Ø22 mm)	1
TTSS-U48-001	35	210	161	for 8 x 6 vials (< Ø25 mm)	1
TTSS-V48-001	40	236	179	for 8 x 6 vials (< Ø30 mm)	1



### Narrow neck wash bottle

Made of LDPE (low density polyethylene)

sales unit reference	capacity	Ø (mm)	h (mm)	pcs per sales unit
WBTP-100-001	100 ml	43	218	1
WBTP-250-001	250 ml	58	218	1
WBTP-500-001	500 ml	70	218	1
WBTP-750-001	750 ml	81	253	1
WBTP-1K0-001	1000 ml	90	270	1



### Wide neck wash bottle

Made of LDPE (low density polyethylene). Screw cap available in different colors to identify the content

sales unit reference	capacity	Ø (mm)	Ø <sub>mouth</sub> (mm)	screw	type	pcs per sales unit
WBGp-250-001	250 ml	60	38	GL45	neutral cap	1
WBGp-253-001	250 ml	60	38	GL45	yellow cap	1
WBGp-254-001	250 ml	60	38	GL45	blue cap	1
WBGp-255-001	250 ml	60	38	GL45	red cap	1
WBGp-500-001	500 ml	75	38	GL45	neutral cap	1
WBGp-503-001	500 ml	75	38	GL45	yellow cap	1
WBGp-504-001	500 ml	75	38	GL45	blue cap	1
WBGp-505-001	500 ml	75	38	GL45	red cap	1



### Drum with faucet

Made of HDPE (high density polyethylene). Screw cap and faucet included

sales unit reference	h (mm)	l (mm)	w (mm)	Ø <sub>mouth</sub> (mm)	capacity	pcs per sales unit
BIGP-10K-001	380	300	150	46	10 L	1
BIGP-20K-001	460	330	175	46	20 L	1





**Cylindrical drum with faucet**

Made of HDPE (high density polyethylene). Screw cap and faucet included

sales unit reference	h (mm)	Ø (mm)	Ø <sub>mouth</sub> (mm)	capacity	pcs per sales unit
BCGP-05K-001	355	167	51	5 L	1
BCGP-10K-001	430	212	51	10 L	1
BCGP-25K-001	580	275	80	25 L	1
BCGP-50K-001	715	350	80	50 L	1
Accessories and spare parts					
BCGP-A01-001			faucet		1



**NEW**

**PP cylindrical container with handle**

White color. Pressure lid, seal system by a border (P system) and "Easy-opening" design

sales unit reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs per sales unit
CBIP-2K0-001	2,5 L	170	138	184	1
CBIP-3K0-001	3,8 L	166	176	184	1
CBIP-5K0-001	5,6 L	191	194	210	1

**Double bag for sample transport**

Bag in polyethylene material with biohazard logo and 2 pouches (one for sample with ziplock and one for documents)



sales unit reference	dimensions (sample pouch)	dimensions (documents pouch)	pcs per sales unit	per sales unit
BZBP-160-500	160 x 200 mm	160 x 230 mm	500	63,85 CHF

**Zip lock plain bag**

Made of polyethylene



sales unit reference	w (mm)	l (mm)	pcs per sales unit
BZIP-055-100	55	55	100
BZIP-060-100	60	80	100
BZIP-070-100	70	100	100
BZIP-080-100	80	120	100
BZIP-100-100	100	150	100
BZIP-120-100	120	180	100
BZIP-150-100	150	220	100
BZIP-180-100	180	250	100
BZIP-200-100	200	300	100
BZIP-250-100	250	330	100
BZIP-300-100	300	400	100
1000 or 2000 units "Saving package"			
BZIP-055-2K0	55	55	2000
BZIP-060-2K0	60	80	2000
BZIP-070-2K0	70	100	2000
BZIP-080-2K0	80	120	2000
BZIP-100-2K0	100	150	2000
BZIP-120-1K0	120	180	1000
BZIP-150-1K0	150	220	1000
BZIP-180-1K0	180	250	1000
BZIP-200-1K0	200	300	1000
BZIP-250-1K0	250	330	1000
BZIP-300-1K0	300	400	1000

### Zip lock bag with write on panels

Made of polyethylene

sales unit reference	w (mm)	l (mm)	pcs per sales unit
BZWP-060-100	60	80	100
BZWP-070-100	70	110	100
BZWP-100-100	100	150	100
BZWP-120-100	120	180	100
BZWP-150-100	150	220	100
BZWP-180-100	180	250	100
BZWP-200-100	200	300	100
1000 units "Saving package"			
BZWP-060-1K0	60	80	1000
BZWP-070-1K0	70	110	1000
BZWP-100-1K0	100	150	1000
BZWP-120-1K0	120	180	1000
BZWP-150-1K0	150	220	1000
BZWP-180-1K0	180	250	1000
BZWP-200-1K0	200	300	1000



### Crimp vial for chromatography, 12x32 mm, 2 ml

Borosilicate glass Kimble 5.1. Wide mouth (internal diameter 6,2 mm) for an optimal injection. Use aluminium crimp caps 11 mm

sales unit reference	∅ (mm)	h (mm)	type	pcs per sales unit
CV01-C20-100	11,6	32	clear	100
CV01-A20-100	11,6	32	amber	100
CVP1-C02-100	11,6	32	clear with write-on patch	100



### Aluminum crimp cap with septa silicon/FEP

For vials with beaded rim and cap size 11 mm. FEP (Fluorinated ethylene propylene) is a fluoropolymer of the same family than PTFE and with similar chemical resistance

sales unit reference	type	pcs per sales unit
CC01-S02-100	red silicone/FEP septa	100



### Saving package: Kit of 1000 crimp vials and 1000 crimp cap

We supply 10 cartons of 100 crimp vials and 10 bags of 100 crimp cap with septa silicon/FPE

sales unit reference	description	pcs per sales unit
CVCC-C2S-1K0	1000 vials CV01-C20 + 1000 crimp caps CC01-S02	1000
CVCC-A2S-1K0	1000 vials CV01-A20 + 1000 crimp caps CC01-S02	1000
CVPC-CS2-1K0	1000 vials CVP1-C02 + 1000 crimp caps CC01-S02	1000

### Screw vial for chromatography, 12 x 32 mm, 2 ml, screw cap

Borosilicate glass Kimble 5.1. Wide mouth (internal diameter 6,2 mm) for an optimal injection. Use screw caps 9-425

sales unit reference	∅ (mm)	h (mm)	type	pcs per sales unit
SV02-C20-100	11,6	32	clear	100
SV02-A20-100	11,6	32	amber	100
SVP2-C02-100	11,6	32	clear with write-on patch	100
SVP2-A02-100	11,6	32	amber with write-on patch	100



**Screw cap with septa silicon/PTFE**

Caps made of polypropylene suitable for screw caps 9-425. In "Pre-slit" reference, septa is preperced for an optimal injection



sales unit reference	type	pcs per sales unit
SC02-W02-100	silicone/PTFE septa	100
SC02-P02-100	pre-slit silicone/PTFE septa	100

**Saving package: Kit of 1000 screw vials and 1000 screw cap with septa**

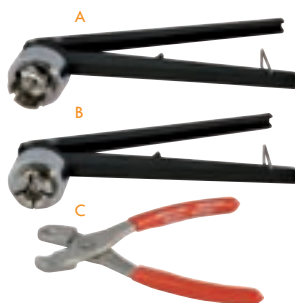
We supply 10 cartons of 100 screw vials and 10 bags of 100 screw cap with septa



sales unit reference	description	pcs per sales unit
<b>With silicon/PTFE septa</b>		
SVSC-C20-1K0	1000 vials SV02-C20 + 1000 caps SC02-W02	1000
SVSC-A20-1K0	1000 vials SV02-A20 + 1000 caps SC02-W02	1000
SVPC-C20-1K0	1000 vials SVP2-C02 + 1000 caps SC02-W02	1000
SVPC-A20-1K0	1000 vials SVP2-A02 + 1000 caps SC02-W02	1000
<b>With silicon/PTFE "pre-slit" septa</b>		
SVSC-C2P-1K0	1000 vials SV02-C20 + 1000 caps SC02-P02	1000
SVSC-A2P-1K0	1000 vials SV02-A20 + 1000 caps SC02-P02	1000
SVPC-CP2-1K0	1000 vials SVP2-C02 + 1000 caps SC02-P02	1000
SVPC-AP2-1K0	1000 vials SVP2-A02 + 1000 caps SC02-P02	1000

**Hand crimper and decapper**

To crimp and to de-crimp vials with aluminum caps



sales unit reference	type	pcs per sales unit
<b>Crimpers (A)</b>		
VCRI-C11-001	for Ø11 mm caps	1
VCRI-C20-001	for Ø20 mm caps	1
<b>Decappers (B)</b>		
VCRI-D11-001	for Ø11 mm caps	1
VCRI-D20-001	for Ø20 mm caps	1
<b>Plier type decappers (C)</b>		
VCRI-P11-001	for Ø11 mm caps	1
VCRI-P20-001	for Ø20 mm caps	1

**Plastic vial freezer box**

Made of polypropylene. Autoclavable and suitable for freezing. Natural colour



sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
FBXP-081-001	51	128	128	up to 81 vials 2 ml (Ømax. 12 mm)	1
FBXP-100-001	53	140	140	up to 100 vials 2 ml (Ømax. 12 mm)	1

**Plastic vial freezer box with hinged lid**

Made of polypropylene. Autoclavable and suitable for freezing (withstand temperatures from -130 °C up to +130 °C)



sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
FBXP-101-001	62	155	140	clear/magenta, for 100 vials (Ømax. 12 mm)	1
FBXP-102-001	62	155	140	black/black, for 100 vials (Ømax. 12 mm)	1

**Stainless steel vial rack**

For chromatography vials 12 x 32 mm



sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
TTSS-R24-001	25	86	64	for 6 x 4 chromatography vials	1
TTSS-R50-001	25	150	80	for 10 x 5 chromatography vials	1

### Test tube holder

Made of stainless steel

sales unit reference	type	pcs per sales unit
TTHS-001-002	stainless steel, for tubes $\varnothing$ 6 - 32 mm	2



### Test tube holder

Made of wood, total length 20 cm

sales unit reference	type	pcs per sales unit
TTHW-001-001	hard wood, for tubes up to $\varnothing$ 20 mm	1



### Plastic test tubes

Round bottom. In polybags. Made of polystyrene (PS) (clear) or polypropylene (PP) (translucent)

sales unit reference	capacity	$\varnothing$ <sub>outer</sub> (mm)	l (mm)	pcs per sales unit
Made of polystyrene (PS)				
TUPS-126-500	3 ml	12	60	500
TUPS-127-500	5 ml	12	75	500
TUPS-137-500	5 ml	13	75	500
TUPS-130-500	8 ml	13	100	500
TUPS-160-500	10 ml	16	100	500
Made of polypropylene (PP)				
TUPP-126-500	3 ml	12	60	500
TUPP-127-500	5 ml	12	75	500
TUPP-137-500	5 ml	13	75	500
TUPP-130-500	8 ml	13	100	500
TUPP-160-500	10 ml	16	100	500



### Test tube stopper

Made of polyethylene. Flange type. For our plastic test tubes references TUPP and TUPS

sales unit reference	type	pcs per sales unit
For $\varnothing$ 12 mm test tubes		
TUST-N12-1K0	for $\varnothing$ 12 mm test tubes, neutral color	1000
TUST-R12-1K0	for $\varnothing$ 12 mm test tubes, red color	1000
TUST-B12-1K0	for $\varnothing$ 12 mm test tubes, blue color	1000
For $\varnothing$ 13 mm test tubes		
TUST-N13-1K0	for $\varnothing$ 13 mm test tubes, neutral color	1000
TUST-R13-1K0	for $\varnothing$ 13 mm test tubes, red color	1000
TUST-B13-1K0	for $\varnothing$ 13 mm test tubes, blue color	1000
For $\varnothing$ 16 mm test tubes		
TUST-N16-1K0	for $\varnothing$ 16 mm test tubes, neutral color	1000
TUST-R16-1K0	for $\varnothing$ 16 mm test tubes, red color	1000
TUST-B16-1K0	for $\varnothing$ 16 mm test tubes, blue color	1000



### Test tube dispenser

Iron material with transparent front panel in acrylic material. Can hold directly test tubes boxes references TU02, TU04, TU05 y STUN

sales unit reference	type	pcs per sales unit
DISP-TU1-001	for 75 mm length tubes	1
DISP-TU2-001	for 100 mm length tubes	1



**Test tube, borosilicate glass**

Made of borosilicate glass LBG 3.3, without rim

sales unit reference	capacity	Ø <sub>outer</sub> (mm)	l (mm)	thickness (mm)	pcs per sales unit
TU02-127-250	5 ml	12	75	0,8	250
TU02-120-250	7 ml	12	100	0,8	250
TU02-130-250	8 ml	13	100	0,8 - 1,0	250
TU02-160-250	13 ml	16	100	1	250
TU02-165-250	19 ml	16	150	1	250
"Saving package"					
TU02-127-2K0	5 ml	12	75	0,8	2000
TU02-120-2K0	7 ml	12	100	0,8	2000
TU02-130-2K0	8 ml	13	100	0,8	2000
TU02-160-1K0	13 ml	16	100	1	1000
TU02-165-1K0	19 ml	16	150	1	1000

**Test tube, neutral glass**

Made of neutral glass LBG N, without rim

sales unit reference	capacity	Ø <sub>outer</sub> (mm)	l (mm)	thickness (mm)	pcs per sales unit
TU04-105-250	2,5 ml	10	50	0,8 - 1,0	250
TU04-107-250	3,5 ml	10	75	0,8 - 1,0	250
TU04-127-250	5 ml	12	75	0,8 - 1,0	250
TU04-120-250	7 ml	12	100	0,8 - 1,0	250
TU04-130-250	8,5 ml	13	100	0,8 - 1,0	250
TU04-160-100	13 ml	16	100	1,0 - 1,2	100
TU04-165-100	19 ml	16	150	1,0 - 1,2	100
TU04-200-100	43 ml	20	200	1,0 - 1,2	100
TU04-225-100	72 ml	25	200	1,0 - 1,2	100
TU04-250-100	90 ml	25	250	1,0 - 1,2	100
"Saving package"					
TU04-105-2K0	2,5 ml	10	50	0,8 - 1,0	2000
TU04-107-2K0	3,5 ml	10	75	0,8 - 1,0	2000
TU04-127-2K0	5 ml	12	75	0,8 - 1,0	2000
TU04-120-2K0	7 ml	12	100	0,8 - 1,0	2000
TU04-130-2K0	8,5 ml	13	100	0,8 - 1,0	2000
TU04-160-1K0	13 ml	16	100	1,0 - 1,2	1000
TU04-165-1K0	19 ml	16	150	1,0 - 1,2	1000
TU04-200-400	43 ml	20	200	1,0 - 1,2	400
TU04-225-400	72 ml	25	200	1,0 - 1,2	400
TU04-250-400	90 ml	25	250	1,0 - 1,2	400

**Disposable glass test tube**

Made of neutral glass LBG N without rim. 0,6 mm wall thickness

sales unit reference	capacity	Ø <sub>outer</sub> (mm)	l (mm)	thickness (mm)	pcs per sales unit
TU05-107-250	3 ml	10	75	0,6	250
TU05-127-250	5 ml	12	75	0,6	250
TU05-120-250	7 ml	12	100	0,6	250
TU05-130-250	8 ml	13	100	0,6	250
"Saving package"					
TU05-107-2K0	3 ml	10	75	0,6	2000
TU05-127-2K0	5 ml	12	75	0,6	2000
TU05-120-2K0	7 ml	12	100	0,6	2000
TU05-130-2K0	8 ml	13	100	0,6	2000

### Test tube with screw cap

Made of borosilicate glass. Autoclavable. Available with black phenolic cap with silicon rubber liner or with natural color PP cap with PTFE liner

sales unit reference	capacity	$\varnothing_{\text{outer}}$ (mm)	l (mm)	thickness (mm)	pcs per sales unit
Round bottom, phenolic cap with silicon rubber liner					
STUN-001-250	5 ml	12	75	0,8 - 1,0	250
STUN-002-250	7 ml	13	100	0,8 - 1,0	250
STUN-003-250	10 ml	16	100	0,8 - 1,0	250
STUN-004-100	15 ml	16	150	0,8 - 1,0	100
STUN-005-100	20 ml	20	150	1,0 - 1,2	100
Flat bottom, phenolic cap with silicon rubber liner					
STUN-F01-250	5 ml	12	75	0,8 - 1,0	250
STUN-F02-250	7 ml	13	100	0,8 - 1,0	250
STUN-F03-250	10 ml	16	100	0,8 - 1,0	250
STUN-F04-100	15 ml	16	150	0,8 - 1,0	100
STUN-F05-100	20 ml	20	150	1,0 - 1,2	100
Round bottom, PP cap with PTFE liner					
STUN-T02-250	7 ml	13	100	0,8 - 1,0	250
STUN-T03-250	10 ml	16	100	0,8 - 1,0	250
STUN-T04-100	15 ml	16	150	0,8 - 1,0	100
STUN-T05-100	20 ml	20	150	1,0 - 1,2	100



### Centrifuge tube, polypropylene, with graduation, 50 ml

Conical bottom without skirt. Autoclavable. Sterile reference is by ethylene oxide. Dimensions: tube  $\varnothing$  29 mm, 115 mm high and cap  $\varnothing$  33,5 mm. Sterilization certificate to download at [www.labbox.com](http://www.labbox.com)

sales unit reference	capacity	type	pcs per sales unit
CTGP-050-050	50 ml	non-sterile	50
CTGP-E50-050	50 ml	sterile in single package	50
"Saving package"			
CTGP-050-500	50 ml	non-sterile	500
CTGP-E50-500	50 ml	sterile in single package	500



### Centrifuge tube, polypropylene, with graduation and skirt, 50 ml

Conical bottom with skirt. Autoclavable. Sterile reference is by ethylene oxide. Dimensions: tube  $\varnothing$  29 mm, 115 mm high and cap  $\varnothing$  33,5 mm. Sterilization certificate to download at [www.labbox.com](http://www.labbox.com)

sales unit reference	capacity	type	pcs per sales unit
CTSP-050-050	50 ml	non-sterile	50
CTSP-E50-050	50 ml	sterile in single package	50
"Saving package"			
CTSP-050-500	50 ml	non-sterile	500
CTSP-E50-500	50 ml	sterile in single package	500



### Centrifuge tube, polypropylene, with graduation, 15 ml

Conical bottom without skirt. Autoclavable. Sterile reference is by ethylene oxide. Dimensions: tube  $\varnothing$  16,5 mm, 120 mm high and cap  $\varnothing$  22 mm. Sterilization certificate to download at [www.labbox.com](http://www.labbox.com)

sales unit reference	capacity	type	pcs per sales unit
CTGP-015-100	15 ml	non-sterile	100
CTGP-E15-050	15 ml	sterile in single package	50
"Saving package"			
CTGP-015-1K0	15 ml	non-sterile	1000
CTGP-E15-500	15 ml	sterile in single package	500





### Carton freezer box for centrifuge tubes

For 15 and 50 ml polypropylene graduated centrifuge tubes

sales unit reference	h (mm)	l (mm)	w (mm)	capacity	pcs per sales unit
CBOX-049-001	116	134	134	up to 49 tubes (15 ml, Ømax. 17 mm)	1
CBOX-016-001	125	143	143	up to 16 tubes (50 ml, Ømax. 35 mm)	1

### Centrifuge tubes rack

Made of stainless steel. Double wire models allow to hold better the centrifuge tubes, giving extra space between them

sales unit reference	h (mm)	l (mm)	w (mm)	capacity	pcs per sales unit
<b>With single wire</b>					
TTSS-E24-001	90	135	93	for 6 x 4 15 ml tubes	1
TTSS-K24-001	90	209	143	for 6 x 4 50 ml tubes	1
<b>With double wire</b>					
TTSS-Y24-001	80	170	115	for 6 x 4 15 ml tubes	1
TTSS-Z24-001	80	220	150	for 6 x 4 50 ml tubes	1



### Universal test tube rack

Made of polypropylene. Autoclavable. In each side, different tube diameters can be hold: 40 tubes Ø 12 mm, 20 tubes Ø 20 mm, 24 centrifuge tubes 15 ml or 8 centrifuge tubes 50 ml

sales unit reference	description	pcs per sales unit
MTSP-001-001	universal rack, blue	1



### Test tubes rack

Made of polypropylene. Square holes. Does not float or turn over in a water bath. Can be dismantled

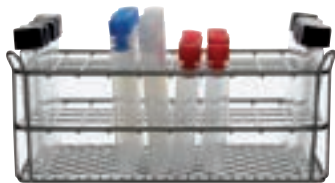
sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
TTSP-021-001	65	250	105	up to 21 tubes (Ø 30 mm)	1
TTSP-024-001	65	250	105	up to 24 tubes (Ø 25 mm)	1
TTSP-040-001	65	250	105	up to 40 tubes (Ø 20 mm)	1
TTSP-060-001	65	250	105	up to 60 tubes (Ø 16 mm)	1
TTSP-090-001	65	250	105	up to 90 tubes (Ø 13 mm)	1



### Test tubes rack

Made of stainless steel

sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
TTSS-W24-001	60	86	64	for 6 x 4 tubes (< Ø10 mm)	1
TTSS-A24-001	90	86	64	for 6 x 4 tubes (< Ø10 mm)	1
TTSS-X50-001	60	170	86	for 10 x 5 tubes (< Ø12 mm)	1
TTSS-B50-001	90	170	86	for 10 x 5 tubes (< Ø12 mm)	1
TTSS-C24-001	90	110	79	for 6 x 4 tubes (< Ø14 mm)	1
TTSS-D24-001	90	125	90	for 6 x 4 tubes (< Ø16 mm)	1
TTSS-D50-001	90	200	105	for 10 x 5 tubes (< Ø16 mm)	1
TTSS-E24-001	90	135	93	for 6 x 4 tubes (< Ø18 mm)	1
TTSS-E50-001	90	220	116	for 10 x 5 tubes (< Ø18 mm)	1
TTSS-F24-001	90	145	105	for 6 x 4 tubes (< Ø20 mm)	1
TTSS-F50-001	90	238	125	for 10 x 5 tubes (< Ø20 mm)	1
TTSS-G24-001	90	161	113	for 6 x 4 tubes (< Ø22 mm)	1
TTSS-K24-001	90	209	143	for 6 x 4 tubes (< Ø16 mm)	1





### Test tubes rack, Z shape

Made of aluminium

sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
TTZS-012-001	64	168	90	for 5 x 10 tubes up to Ø 12 mm	1
TTZS-014-001	64	200	107	for 5 x 10 tubes up to Ø 14 mm	1
TTZS-017-001	64	225	120	for 5 x 10 tubes up to Ø 16 mm	1



### Rubber stopper, solid

Made of natural rubber, red

sales unit reference	Ø <sub>top</sub> (mm)	Ø <sub>bottom</sub> (mm)	h (mm)	for glasses with inner-Ø	pcs per sales unit
STOR-009-025	9	6	16	7,5 ± 0,5 mm	25
STOR-013-025	13	9	15,5	11 ± 0,5 mm	25
STOR-014-025	14	11	18,5	12,5 ± 0,5 mm	25
STOR-016-025	16,5	13	20	15 ± 0,5 mm	25
STOR-019-025	19	14	21	16,5 ± 0,5 mm	25
STOR-021-020	21	15	22	18 ± 0,5 mm	20
STOR-022-020	22,5	17,5	23	20 ± 0,5 mm	20
STOR-026-010	26,5	21	27,5	24 ± 0,5 mm	10
STOR-028-010	28	21,5	31	25 ± 0,5 mm	10
STOR-030-010	30	26	33	28 ± 0,5 mm	10
STOR-032-010	32,5	28,5	32,5	30,5 ± 0,5 mm	10
STOR-037-010	37,5	28,5	44	33 ± 0,5 mm	10
STOR-041-010	41,5	32	42,5	37 ± 0,5 mm	10
STOR-049-010	49,5	40	40,5	45 ± 0,5 mm	10
STOR-054-010	54	44,5	44,5	49 ± 0,5 mm	10



### Silicone stopper, solid

Made of amber silicone. Withstand temperatures from -70°C up to +200°C

sales unit reference	Ø <sub>top</sub> (mm)	Ø <sub>bottom</sub> (mm)	h (mm)	for glasses with inner-Ø	pcs per sales unit
STOS-011-025	11,1	6,35	25,4	9 ± 0,5 mm	25
STOS-013-025	12,7	7,9	25,4	10 ± 0,5 mm	25
STOS-015-025	15,09	10,31	25,4	13 ± 0,5 mm	25
STOS-017-025	17	13	25,4	15 ± 0,5 mm	25
STOS-019-025	19	14,27	25,4	17 ± 0,5 mm	25
STOS-020-025	20	15,88	25,4	18 ± 0,5 mm	25
STOS-024-020	24	18	30	21 ± 0,5 mm	20
STOS-026-010	26	20	25,4	23 ± 0,5 mm	10
STOS-027-010	27	23	25,4	25 ± 0,5 mm	10
STOS-032-010	31,75	26,19	25,4	29 ± 0,5 mm	10
STOS-037-010	36,98	30,18	25,4	34 ± 0,5 mm	10
STOS-041-010	41	33,02	25,4	37 ± 0,5 mm	10
STOS-044-010	44,45	37,31	25,4	41 ± 0,5 mm	10
STOS-046-010	46,05	38,1	25,4	42 ± 0,5 mm	10
STOS-052-010	52,4	44,45	25,4	48 ± 0,5 mm	10
STOS-060-010	59,99	50	45,01	55 ± 0,5 mm	10



**Cellulose stoppers, sterilizable**

Disposable. Designed to close culture and microbiological samples, sample tubes, erlenmeyers. Will fit perfectly into the mouth of the container. Sterilizable up to 200°C. Air permeable

sales unit reference	number	for containers with inner-∅	pcs per sales unit
SSTO-08P-100	8P	7,5 - 10,5 mm	100
SSTO-009-100	9	10,5 - 11,5 mm	100
SSTO-09P-100	9P	9,0 - 10,5 mm	100
SSTO-010-100	10	9,5 - 11,5 mm	100
SSTO-011-100	11	12,0 - 14,5 mm	100
SSTO-012-100	12	11,5 - 13,5 mm	100
SSTO-013-100	13	12,5 - 14,5 mm	100
SSTO-014-100	14	13,0 - 14,5 mm	100
SSTO-14P-100	14P	12,0 - 14,0 mm	100
SSTO-015-100	15	13,5 - 15,5 mm	100
SSTO-018-100	18	17,5 - 18,5 mm	100
SSTO-019-100	19	19,0 - 22,0 mm	100
SSTO-026-100	26	26,0 - 27,0 mm	100
SSTO-027-100	27	27,0 - 32,5 mm	100
SSTO-029-025	29	29,5 - 31,0 mm	25
SSTO-29K-025	29K	26,0 - 27,0 mm	25
SSTO-032-025	32	32,5 - 35,0 mm	25
SSTO-32P-025	32P	32,0 - 33,0 mm	25
SSTO-036-025	36	35,5 - 39,5 mm	25
SSTO-037-025	37	37,5 - 41,5 mm	25
SSTO-038-025	38	40,0 - 43,5 mm	25
SSTO-40P-025	40P	42,0 - 46,5 mm	25
SSTO-45P-025	45P	47,0 - 48,0 mm	25

**Microcentrifuge tube, graduated, DNase and RNase free, Premium Line**

Graduated. Human DNA free and certified DNase, RNase and PCR-inhibitors free. Its shape and material quality allows an exceptionally high centrifugation resistance: 25000 g in fixed angle rotor centrifuges and 70000 g in oscillating rotor centrifuges. Autoclavable

sales unit reference	capacity	type	pcs per sales unit
PCRD-015-1K0	1,5 ml	Eppendorf type, neutral color, flat lid	1000
PCRD-020-1K0	2,0 ml	round bottom, neutral color, flat lid	1000

**Microcentrifuge tube, graduated, with safe-lock**

Made of polypropylene. Autoclavable

sales unit reference	capacity	type	pcs per sales unit
PCRP-015-500	1,5 ml	Eppendorf type, natural, flat lid	500
PCRP-005-1K0	0,5 ml	Eppendorf type, natural, flat lid	1000
"Saving package"			
PCRP-015-5K0	1,5 ml	Eppendorf type, natural, flat lid	5000
PCRP-005-10K	0,5 ml	Eppendorf type, natural, flat lid	10000



**Microcentrifuge tube, graduated, with safe-lock, colored**

Made of polypropylene. Autoclavable

sales unit reference	capacity	type	pcs per sales unit
PCRP-Y15-500	1,5 ml	Eppendorf type, yellow, flat lid	500
PCRP-P15-500	1,5 ml	Eppendorf type, pink, flat lid	500
PCRP-B15-500	1,5 ml	Eppendorf type, blue, flat lid	500
PCRP-G15-500	1,5 ml	Eppendorf type, green, flat lid	500

**Microcentrifuge tube, graduated, round bottom**

Made of polypropylene. Autoclavable

sales unit reference	capacity	type	pcs per sales unit
PCRP-020-500	2 ml	natural color, flat lid	500
"Saving package" PCRP-020-10K	2 ml	natural color, flat lid	10000

**PCR microtube, DNase and RNase free, Premium Line**

Thin wall tube for PCR, optimized for all thermocyclers models. Human DNA free and certified DNase, RNase and PCR-inhibitors free. For each volume, two models of lids are available: flat lid or round lid. Natural colour, autoclavable

sales unit reference	capacity	type	pcs per sales unit
PCRD-F05-1K0	0,5 ml	PCR flat lid	1000
PCRD-D05-1K0	0,5 ml	PCR rounded lid	1000
PCRD-F02-1K0	0,2 ml	PCR flat lid	1000
PCRD-D02-1K0	0,2 ml	PCR rounded lid	1000

**PCR microtube**

Made of polypropylene. Autoclavable

sales unit reference	capacity	type	pcs per sales unit
PCRP-002-1K0	0,2 ml	for PCR, flat lid	1000
"Saving package" PCRP-002-20K	0,2 ml	for PCR, flat lid	20000

**Micro pestle for microtubes**

Made of polypropylene. Autoclavable at 121 °C. One end is for breaking up solids in 1.5 ml microtubes, and the other end to be used in 0.5 ml microtubes

sales unit reference	type	pcs per sales unit
MPSP-001-001	for 0.5 and 1.5 ml microtubes	1

**Floating rack for microtubes**

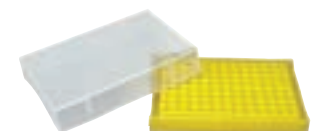
Made of polypropylene. To heat or cool microtubes in a waterbath and avoid them to sink. Stackable and with an alphanumeric identification of each position. Autoclavable at 121 °C

sales unit reference	type	pcs per sales unit
FLRP-001-001	for 16 microtubes 1.5 ml	1

**PCR microtube 0,2 ml storage box**

Made of polypropylene. Autoclavable. With transparent lid

sales unit reference	capacity	pcs per sales unit
PBOX-Y96-001	up to 96 tubes (8x12) 0.2 ml. Yellow color	1





**Rack for microtubes**

Made of polypropylene. Stackable and with an alphanumeric identification of each position. Autoclavable at 121 °C

sales unit reference	type	pcs per sales unit
MCRP-100-001	for 100 microtubes 1.5 ml	1

**Overturnable PCR microtube 0.5 ml and 1.5 ml rack**

Made of polypropylene. Autoclavable. One side is made up for 0.5 ml tubes and the other for 1.5 ml tubes

sales unit reference	capacity	pcs per sales unit
PCPP-O96-001	up to 96 tubes (8x12) 0.5/1.5 ml. Orange color	1
PCPP-B96-001	up to 96 tubes (8x12) 0.5/1.5 ml. Blue color	1
PCPP-G96-001	up to 96 tubes (8x12) 0.5/1.5 ml. Green color	1

**Microtube rack, stainless steel**

For Eppendorf type 1.5 ml microtubes

sales unit reference	type	pcs per sales unit
TTSS-N25-001	for 5 x 5 microtubes (1.5 ml)	1
TTSS-N50-001	for 10 x 5 microtubes (1.5 ml)	1

**Mini centrifuge, LBX Instruments, MC7000 series**

Ideal for quick spin downs and micro filtration. Four lid colors including green, blue, yellow and pink. Fixed speed 7000 rpm. 2 rotors delivered with the stirrer: 8 x 2 ml/1.5 ml tube and 16 x 0.2 ml PCR tube. The centrifuge can be started and stopped by closing and opening lid. 100-240 V / 50-60 Hz. Warranty 2 years

sales unit reference	lid color	pcs per sales unit
MCEN-00B-001	blue	1
MCEN-00G-001	green	1
MCEN-00P-001	pink	1
MCEN-00Y-001	yellow	1

Accessories and spare parts

MCEN-A01-001	plastic rotor, 7000 rpm, 2 ml/1.5 ml x 8	1
MCEN-A02-001	plastic rotor, 7000 rpm, PCR8 x 2	1
MCEN-A03-008	2 ml to 0.2 ml rotor adapter, used with MCEN-A01-001	8
MCEN-A04-008	2 ml to 0.5 ml rotor adapter, used with MCEN-A01-001	8

**Nessler tube for colorimeter**

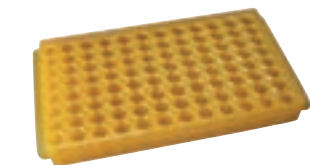
Made of borosilicate glass LBG 3.3

sales unit reference	capacity	accuracy (ml)	graduation	l (mm)	pcs per sales unit
NTB3-050-006	50 ml	± 0,4	25 - 50 ml	180	6
NTB3-100-006	100 ml	± 0,6	50 - 100 ml	210	6

**Nessler tube rack**

Made of polypropylene

sales unit reference	type	pcs per sales unit
NTSP-050-001	for 50 ml Nessler tubes	1
NTSP-100-001	for 100 ml Nessler tubes	1



### Cryotube with screw cap, sterile,

Both the lid and the tube are autoclavable; a small o-ring inside the lid ensures that the tube is tightly sealed (o-rings made from other materials may pose a risk of contamination in long-term storage). They withstand temperatures from -196 °C up to +120 °C. Certified DNase, RNase and endotoxin-free. With exterior screw cap. With graduation marks, a writing surface and an unique barcode printed directly on the tube. Their particular design allows them to be selfstanding. Sterilized by beta irradiation. They may be color coded with inserts (ref. CRTI)



sales unit reference	capacity	h (mm)	type	pcs per sales unit
CRTD-018-050	1,8 ml	44,5	printed graduation, sterile	50

### Colour insert for cryotubes, Premium Line

For our cryotubes Premium Line with reference CRTD

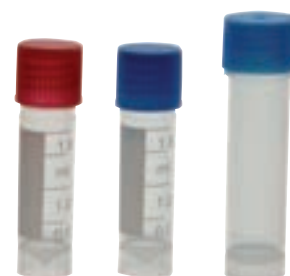
sales unit reference	color	pcs per sales unit
CRTI-01W-100	white	100
CRTI-01Y-100	yellow	100
CRTI-01B-100	blue	100
CRTI-01R-100	red	100
CRTI-01G-100	green	100
CRTI-01M-100	magenta	100



### Cryotube with screw cap

Made of polypropylene with silicon-rubber liner mounted in cap. With conical bottom and skirt. They can withstand temperatures from -80 °C up to +120 °C

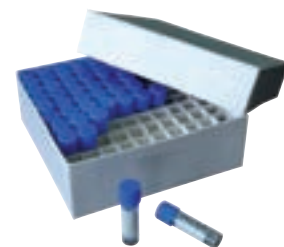
sales unit reference	capacity	∅ (mm)	∅ <sub>stopper</sub> (mm)	h (mm)	type	pcs per sales unit
CRTP-018-500	1,8 ml	11	13	46	printed graduation, blue screw cap	500
CRTP-R18-500	1,8 ml	11	13	46	printed graduation, red screw cap	500
CRTP-040-500	4 ml	12,5	15	53	without graduation	500
"Saving package"						
CRTP-018-10K	1,8 ml	11	13	46	printed graduation, blue screw cap	10000
CRTP-R18-10K	1,8 ml	11	13	46	printed graduation, red screw cap	10000

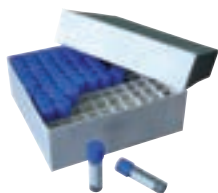


### Carton freezer box for cryotubes up to 2 ml

Delivered already assembled

sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
CBOX-081-001	47	134	134	up to 81 tubes (∅max. 14 mm) white	1
CBOX-R81-001	47	134	134	up to 81 tubes (∅max. 14 mm) red	1
CBOX-B81-001	47	134	134	up to 81 tubes (∅max. 14 mm) blue	1
CBOX-G81-001	47	134	134	up to 81 tubes (∅max. 14 mm) green	1
CBOX-Y81-001	47	134	134	up to 81 tubes (∅max. 14 mm) yellow	1
CBOX-N81-001	47	134	134	up to 81 tubes (∅max. 14 mm) orange	1
CBOX-100-001	47	134	134	up to 100 tubes (∅max. 12 mm) white	1
CBOX-10R-001	47	134	134	up to 100 tubes (∅max. 12 mm) red	1
CBOX-10B-001	47	134	134	up to 100 tubes (∅max. 12 mm) blue	1
CBOX-10G-001	47	134	134	up to 100 tubes (∅max. 12 mm) green	1
CBOX-10Y-001	47	134	134	up to 100 tubes (∅max. 12 mm) yellow	1
CBOX-10N-001	47	134	134	up to 100 tubes (∅max. 12 mm) orange	1
"Saving package"					
CBOX-081-096	47	134	134	up to 81 tubes (∅max. 14 mm) white	96
CBOX-100-096	47	134	134	up to 100 tubes (∅max. 12 mm) white	96

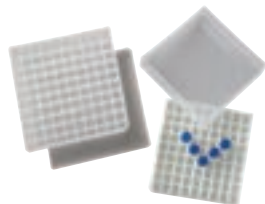




### Carton freezer box for 4 ml cryotubes

Delivered already assembled

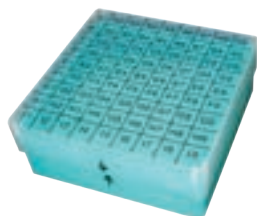
sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
CBOX-082-001	76	134	134	up to 81 tubes (Ømax. 1.4 mm) white	1
CBOX-101-001	76	134	134	up to 100 tubes (Ømax. 1.2 mm) white	1



### Plastic freezer box for cryotubes

Made of polypropylene. Autoclavable

sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
FBXP-081-001	51	128	128	for 81 tubes up to 1.8 ml (Ømax. 1.2 mm)	1
FBXP-100-001	53	140	140	for 100 tubes up to 1.8 ml (Ømax. 1.2 mm)	1



### Plastic freezer box for cryotubes with numeric graduation on lid

Made of polypropylene with alphanumeric numeration printed on lid and bottom

sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
FBXP-B02-001	52	130	130	blue, for 81 tubes up to 2 ml (Ømax. 1.2 mm)	1
FBXP-G02-001	52	130	130	green, for 81 tubes up to 2 ml (Ømax. 1.2 mm)	1
FBXP-R02-001	52	130	130	red, for 81 tubes up to 2 ml (Ømax. 1.2 mm)	1
FBXP-Y02-001	52	130	130	yellow, for 81 tubes up to 2 ml (Ømax. 1.2 mm)	1



### Plastic freezer box for cryotubes with snap-on lid

Made of polypropylene. Autoclavable and suitable for freezing (withstand temperatures from -130 °C up to +130 °C). Box with 100 alphanumeric printed positions and suitable for cryotubes up to 2 ml, microtubes 1.5 or 2 ml and chromatography vials 12 x 32 mm. Lid fixed with the box with a Snap-on device. Available in two versions: natural colour box and magenta lid; or black box and lid for photosensitive products

sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
FBXP-101-001	62	155	140	clear/magenta, for 100 tubes (Ømax. 1.2 mm)	1
FBXP-102-001	62	155	140	black/black, for 100 tubes (Ømax. 1.2 mm)	1

### Racks for upright freezers

Made of stainless steel. For boxes of 135 x 135 mm. Delivery time 2 weeks

sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
RACV-33A-001	165	420	140	for 3 x 3 cryoboxes of 50 mm tall	1
RACV-43A-001	223	420	140	for 4 x 3 cryoboxes of 50 mm tall	1
RACV-53A-001	277	420	140	for 5 x 3 cryoboxes of 50 mm tall	1
RACV-44A-001	223	560	140	for 4 x 4 cryoboxes of 50 mm tall	1
RACV-54A-001	277	560	140	for 5 x 4 cryoboxes of 50 mm tall	1
RACV-33B-001	245	420	140	for 3 x 3 cryoboxes of 75 mm tall	1
RACV-34B-001	245	560	140	for 3 x 4 cryoboxes of 75 mm tall	1
RACV-23C-001	200	420	140	for 2 x 3 cryoboxes of 95 mm tall	1
RACV-24C-001	200	560	140	for 2 x 4 cryoboxes of 95 mm tall	1
RACV-23D-001	265	420	140	for 2 x 3 cryoboxes of 125 mm tall	1
RACV-24D-001	265	560	140	for 2 x 4 cryoboxes of 125 mm tall	1



### Racks for upright freezers with removable trays

Made of stainless steel. For boxes of 135 x 135 mm. The removable trays allow to use the carton boxes without having to remove the complete rack. Delivery time 2 weeks



sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
RACE-33A-001	170	440	150	for 3 x 3 cryoboxes of 50 mm tall	1
RACE-43A-001	230	440	150	for 4 x 3 cryoboxes of 50 mm tall	1
RACE-53A-001	285	440	150	for 5 x 3 cryoboxes of 50 mm tall	1
RACE-44A-001	230	580	150	for 4 x 4 cryoboxes of 50 mm tall	1
RACE-54A-001	285	580	150	for 5 x 4 cryoboxes of 50 mm tall	1
RACE-33B-001	250	440	150	for 3 x 3 cryoboxes of 75 mm tall	1
RACE-34B-001	250	580	150	for 3 x 4 cryoboxes of 75 mm tall	1
RACE-23C-001	210	440	150	for 2 x 3 cryoboxes of 95 mm tall	1
RACE-24C-001	210	580	150	for 2 x 4 cryoboxes of 95 mm tall	1
RACE-23D-001	275	440	150	for 2 x 3 cryoboxes of 125 mm tall	1
RACE-24D-001	275	580	150	for 2 x 4 cryoboxes of 125 mm tall	1

### Racks for chest freezers

Made of stainless steel. For boxes of 135 x 135 mm. Delivery time 2 weeks

sales unit reference	h (mm)	l (mm)	w (mm)	type	pcs per sales unit
RACH-05A-001	280	140	140	for 5 cryoboxes of 50 mm tall	1
RACH-07A-001	390	140	140	for 7 cryoboxes of 50 mm tall	1
RACH-08A-001	445	140	140	for 8 cryoboxes of 50 mm tall	1
RACH-09A-001	500	140	140	for 9 cryoboxes of 50 mm tall	1
RACH-10A-001	555	140	140	for 10 cryoboxes of 50 mm tall	1
RACH-11A-001	610	140	140	for 11 cryoboxes of 50 mm tall	1
RACH-12A-001	665	140	140	for 12 cryoboxes of 50 mm tall	1
RACH-13A-001	720	140	140	for 13 cryoboxes of 50 mm tall	1
RACH-05B-001	405	140	140	for 5 cryoboxes of 75 mm tall	1
RACH-06B-001	485	140	140	for 6 cryoboxes of 75 mm tall	1
RACH-07B-001	565	140	140	for 7 cryoboxes of 75 mm tall	1
RACH-08B-001	645	140	140	for 8 cryoboxes of 75 mm tall	1
RACH-09B-001	725	140	140	for 9 cryoboxes of 75 mm tall	1
RACH-04C-001	400	140	140	for 4 cryoboxes of 95 mm tall	1
RACH-05C-001	500	140	140	for 5 cryoboxes of 95 mm tall	1
RACH-06C-001	600	140	140	for 6 cryoboxes of 95 mm tall	1
RACH-07C-001	700	140	140	for 7 cryoboxes of 95 mm tall	1
RACH-04D-001	525	140	140	for 4 cryoboxes of 125 mm tall	1
RACH-05D-001	655	140	140	for 5 cryoboxes of 125 mm tall	1

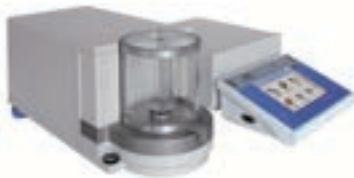


We can supply tailored-made sized racks for freezers. **Kindly contact our Customer Service.**

**M** "Microbalance RADWAG series MYA

MYA serie of microbalances are designed to meet the highest requirements. Electronic module and a precise mechanical measuring system are enclosed separately. Such design eliminates the influence of heat, shocks and vibrations. Made of glass and steel eliminating the influence of electrostatics. Applications: weighing, %, weight accumulation, check weighing, statistics, air buoyancy correction, GLP procedures, FCR compliance, data bases, minimum weight, Pharma program, etc. 5,7" touch screen color display, electronic level indicator, infrared sensors, automatic opening. Interface: USB (2x), RS232 (2x), Ethernet, 2in/2out (digital). Internal calibration and CE certified (optional). Special serie for filter weighing available.

Balance dimensions (L x H x W): 370 x 160 x 173 mm (mechanical instrument) and 370 x 208 x 74 mm (electronic module). Warranty 3 years. Delivery time: 30 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
BMYA-002-001	2 g	1 µg	Ø 16 mm	1
BMYA-003-001	0,8/3 g	1/10 µg	Ø 16 + Ø 60 mm	1
BMYA-005-001	5 g	1 µg	Ø 26 mm	1
Special model for filter weighing				
BMYA-F05-001	5 g	1 µg	Ø 100 mm	1
BMYA-F15-001	5 g	1 µg	Ø 160 mm	1

**M** "Analytical and semimicro balance RADWAG series AS

Analytical balances series AS are in the standard-high segment. The best value for money and features available. Applications: parts counting, specific density, %, below balance weighing, check weighing, GLP procedures, data bases of: users, products, weighments, etc. ALIBI memory. Spacious weighing chamber with sliding top and side glass doors, level indicator. Backlit LCD display. Communication interface: RS 232, 2x USB and WI-FI optional. 3 versions available: external calibration, internal calibration and internal calibration CE certified. External dimensions (L x H x W): 333 x 206 x 355 mm. Warranty 2 years. Delivery time: 10 - 20 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
With external calibration				
BASC-11E-001	110 g	0,0001 g	Ø 85 mm	1
BASC-16E-001	160 g	0,0001 g	Ø 85 mm	1
BASC-22E-001	220 g	0,0001 g	Ø 85 mm	1
With internal calibration				
BASC-221-001	60/220 g	0,01/0,1 mg	Ø 70 mm	1
BASC-220-001	220 g	0,0001 g	Ø 85 mm	1
BASC-310-001	310 g	0,0001 g	Ø 85 mm	1
With internal calibration and EC type approval				
BASC-M60-001	60/220 g	0,01/0,1 mg	Ø 70 mm	1
BASC-22M-001	220 g	0,0001 g	Ø 85 mm	1

"Analytical balance, ADAM, PW series

Applications: weighing, net/total, check weighing, %, weight accumulation, parts counting, animal / dynamic weighing, density determination, below balance weighing. RS-232 interface. Backlit LCD display with capacity tracker (shows how much weighing range is left when using the tare function, ensuring that the balance is not overloaded). GLP print outs (when using the optional printer). 16 weighing units including one customer unit. All metal construction and stainless steel platform. Lock down mounting slot for Kensington™ type lock and cable. Internal calibration. Glass draught shield (dimensions (mm) 202 x 158 x 215). External dimensions (mm) 256 x 524 x 275. Warranty 3 years. Delivery time 10 days



sales unit reference	capacity	readability	pan size	external calibration mass	pcs per sales unit
BPWA-120-001	120 g	0,0001 g	Ø 90 mm	100 g	1
BPWA-180-001	180 g	0,0001 g	Ø 90 mm	100 g	1
BPWA-210-001	210 g	0,0001 g	Ø 90 mm	100 g	1
BPWA-250-001	250 g	0,0001 g	Ø 90 mm	100 g	1

Accessories and spare parts

WE2S-100-001	calibration weight class E2, 100 g ± 0.16 mg	1
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### Moisture balance, ADAM, PMB series

Zero adjust facility to enable zero reading. Built-in memories for storing products and settings. 3 settings for heating sample fast ramp up, step and standard. Automatic test start setting for when the lid is closed. Quick and easy to configure through the keypad. Large backlit display with dual text prompts and capacity tracker. Large stainless steel pan with lifter to easily remove samples. Lock down mounting slot for Kensington™ type lock and cable. Overload protection. RS-232 and USB interface. GLP print outs. Calibration facilities for temperature and weight. External dimensions (mm) 250 x 360 x 185. Warranty 3 years. Delivery time 10 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
BPMB-050-001	50 g	0,001 g / 0.01%	Ø 90 mm	1
BPMB-200-001	200 g	0,01 g / 0.05%	Ø 90 mm	1

Accessories and spare parts

WPAL-093-100	aluminium pans Ø 93 mm	100
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### M Precision balance, ADAM, PGW series

Applications: weighing, net/total, check weighing, %, weight accumulation, parts counting, animal/dynamic weighing, density determination, below balance weighing. RS-232 interface. Backlit LCD display with capacity tracker (shows how much weighing range is left when using the tare function, ensuring that the balance is not overloaded). GLP print outs (when using the optional printer). 16 weighing units including one customer unit. All metal construction and stainless steel platform. Lock down mounting slot for Kensington™ type lock and cable. Removable draft shield (on models with 140 x 140 mm pan only). 3 versions available: external calibration, internal calibration and internal calibration with EC type approval. External dimensions (mm) 251 x 358 x 104. Warranty 3 years. Delivery time 10 days

sales unit reference	capacity	readability	pan size	external calibration mass	pcs per sales unit
With external calibration					
BPGW-15E-001	150 g	0,001 g	125 x 145 mm	100 g	1
BPGW-25E-001	250 g	0,001 g	125 x 145 mm	200 g	1
BPGW-45E-001	450 g	0,001 g	125 x 145 mm	200 g	1
BPGW-60E-001	600 g	0,001 g	125 x 145 mm	500 g	1
BPGW-75E-001	750 g	0,001 g	140 x 140 mm	500 g	1
BPGW-1E5-001	1500 g	0,01 g	192 x 192 mm	1000 g	1
BPGW-2E5-001	2500 g	0,01 g	192 x 192 mm	2000 g	1
BPGW-3E5-001	3500 g	0,01 g	192 x 192 mm	2000 g	1
BPGW-4E5-001	4500 g	0,01 g	192 x 192 mm	2000 g	1
BPGW-6E0-001	6000 g	0,01 g	192 x 192 mm	2000 g	1
With internal calibration					
BPGW-150-001	150 g	0,001 g	125 x 145 mm	100 g	1
BPGW-250-001	250 g	0,001 g	125 x 145 mm	200 g	1
BPGW-450-001	450 g	0,001 g	125 x 145 mm	200 g	1
BPGW-600-001	600 g	0,001 g	125 x 145 mm	500 g	1
BPGW-750-001	750 g	0,001 g	140 x 140 mm	500 g	1
BPGW-1K5-001	1500 g	0,01 g	192 x 192 mm	1000 g	1
BPGW-2K5-001	2500 g	0,01 g	192 x 192 mm	2000 g	1
BPGW-3K5-001	3500 g	0,01 g	192 x 192 mm	2000 g	1
BPGW-4K5-001	4500 g	0,01 g	192 x 192 mm	2000 g	1
BPGW-6K0-001	6000 g	0,01 g	192 x 192 mm	2000 g	1
With internal calibration and EC type approval					
BPGW-15M-001	150 g	0,01 g	140 x 140 mm	100 g	1
BPGW-25M-001	250 g	0,01 g	140 x 140 mm	200 g	1
BPGW-45M-001	450 g	0,01 g	140 x 140 mm	200 g	1
BPGW-75M-001	750 g	0,01 g	140 x 140 mm	500 g	1
BPGW-1M5-001	1500 g	0,1 g	192 x 192 mm	1000 g	1
BPGW-2M5-001	2500 g	0,1 g	192 x 192 mm	2000 g	1
BPGW-3M5-001	3500 g	0,1 g	192 x 192 mm	2000 g	1
BPGW-4M5-001	4500 g	0,1 g	192 x 192 mm	2000 g	1



**Precision balance, ADAM, PGL series**

Applications: weighing, parts counting, percent weighing, check weighing, density calculation, below balance weighing. RS-232 interface. AC power or rechargeable battery operation. 8 weighing units including one customer unit. All metal construction and stainless steel platform. Backlit LCD display with capacity tracker (shows how much weighing range is left when using the tare function, ensuring that the balance is not overloaded). GLP print outs (when using the optional printer). External calibration. External dimensions (mm) 251 x 358 x 104 (models until 8000 g); 455 x 400 x 95 (10 kg, 20 kg and 30 kg models). Warranty 3 years. Delivery time 10 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
BPGL-200-001	200 g	0,001 g	145 x 125 mm	1
BPGL-300-001	300 g	0,001 g	145 x 125 mm	1
BPGL-2K0-001	2000 g	0,01 g	192 x 192 mm	1
BPGL-3K0-001	3000 g	0,01 g	192 x 192 mm	1
BPGL-4K0-001	4000 g	0,1 g	192 x 192 mm	1
BPGL-6K0-001	6000 g	0,1 g	192 x 192 mm	1
BPGL-8K0-001	8000 g	0,1 g	192 x 192 mm	1
BPGL-10K-001	10 kg	0,1 g	400 x 300 mm	1
BPGL-12K-001	12 kg	0,1 g	192 x 192 mm	1
BPGL-15K-001	15 kg	0,1 g	192 x 192 mm	1
BPGL-20K-001	20 kg	0,1 g	400 x 300 mm	1
BPGL-30K-001	30 kg	0,1 g	400 x 300 mm	1

**M "Precision balance RADWAG series APP, high capacity**

Electromagnetic cell technology, big LCD colour touch panel with 12 buttons and a very extensive user menu. Framework made of aluminium and plate made of stainless steel. Applications: parts counting, specific density, check weighing, %, below balance weighing. Communication interface: RS 232, 2x USB and WI-FI optional. 3 versions available: external calibration, internal calibration and internal calibration CE certified. External dimensions (L x H x W): 347 x 350 x 155 mm. Warranty 2 years. Delivery time: 20 - 25 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
With external calibration				
BAPP-10E-001	10 kg	0,01 g	347 x 259 mm	1
BAPP-25E-001	25 kg	0,1 g	347 x 259 mm	1
BAPP-35E-001	35 kg	0,1 g	347 x 259 mm	1
BAPP-50E-001	50 kg	0,1 g	347 x 259 mm	1
With internal calibration				
BAPP-10K-001	10 kg	0,01 g	347 x 259 mm	1
BAPP-35K-001	35 kg	0,1 g	347 x 259 mm	1
With internal calibration and EC type approval				
BAPP-25M-001	25 kg	0,1 g	347 x 259 mm	1
BAPP-35M-001	6/35 kg	1/5 g	347 x 259 mm	1

**EC TYPE APPROVAL SCALES AND THE GREEN "M" STICKER**

According to the EU directives 2009/23/EC and 90/384/EEC balances and scales used in the areas of commerce, health and public administration must be verified. The applications requiring the mandatory use of EC type approval instruments are specified in article 1.2(a) of the Directive and are:

- Determination of mass for commercial transactions
- Determination of mass for the calculation of a toll, tariff, tax, bonus, penalty or similar type of payment
- Determination of mass for the application of laws or regulations and expert opinion given in court proceedings
- Determination of mass in the practice of medicine for the weighing of patients for the purpose of monitoring, diagnosis and medical treatment
- Determination of mass for making up medicines on prescription in a pharmacy and determination of mass in analyses carried out in medical and pharmaceutical laboratories
- Determination of price on the basis of the mass for the purpose of direct sales to the public and the making-up of pre-packages

Balances and scales for which CE conformity has been established according to the above mentioned Directives are identified by a green sticker bearing a capital letter 'M' printed in black



### M Precision balance RADWAG series WLC

Balances series WLC are designed for fast and precise mass determination in laboratory and industrial conditions. AC power or rechargeable battery operation. RS-232 interface. Stainless steel weighing platform and backlit LCD display. Applications: parts counting, animal/dynamic weighing, check weighing, %, below balance weighing, impact test. 3 versions available: external calibration, internal calibration and internal calibration CE certified. External dimensions (L x H x W): 244 x 174 x 88 mm (models with pan size 128 x 128 and 195 x 195), 351 x 375 x 87 (models with pan size 290 x 360) y 502 x 480 x 103 mm (models with pan size 400 x 500). Warranty 2 years. Delivery time: 10 - 20 days

sales unit reference	capacity	readability	pan size	pcs per sales unit
With external calibration				
BWLC-E06-001	600 g	0,01 g	128 x 128 mm	1
BWLC-1E0-001	1 kg	0,01 g	195 x 195 mm	1
BWLC-2E0-001	2 kg	0,01 g	195 x 195 mm	1
BWLC-6E0-001	6 kg	0,1 g	195 x 195 mm	1
BWLC-10E-001	10 kg	0,1 g	195 x 195 mm	1
BWLC-20E-001	20 kg	0,1 g	195 x 195 mm	1
BWLC-12E-001	12 kg	0,2 g	290 x 360 mm	1
BWLC-30E-001	30 kg	0,5 g	290 x 360 mm	1
BWLC-60E-001	60 kg	1 g	400 x 500 mm	1
BWLC-1QE-001	120 kg	2 g	400 x 500 mm	1
With internal calibration				
BWLC-600-001	600 g	0,01 g	128 x 128 mm	1
BWLC-1K0-001	1 kg	0,01 g	195 x 195 mm	1
BWLC-1K2-001	1,2 kg	0,02 g	195 x 195 mm	1
BWLC-3K0-001	3 kg	0,05 g	195 x 195 mm	1
BWLC-6K0-001	6 kg	0,1 g	195 x 195 mm	1
With internal calibration and EC type approval				
BWLC-M06-001	600 g	0,01 g	128 x 128 mm	1
BWLC-6M0-001	6 kg	0,1 g	195 x 195 mm	1



### Portable precision balance, ADAM, HCB series

Applications: weighing, %, parts counting, below balance weighing, weight accumulation. RS-232 and USB interfaces. Smart housing design lets you safely stack balances on top of each other for convenient storage. Three-point ShockProtect™ overload protection (it allows the balance withstand up to 200 kg of weight without damaging the weighing mechanism). Internal calibration with built in mass. Lock down mounting slot for Kensington™ type lock and cable. Internal rechargeable battery with auto power off and low-battery indicator. Removable draft shield. External dimensions (mm) 170 x 245 x 80. Warranty 2 years. Delivery time 10 days

sales unit reference	capacity	readability	pan size	pcs per sales unit
BHCB-120-001	120 g	0,001 g	Ø 120 mm	1
BHCB-150-001	150 g	0,005 g	Ø 120 mm	1
BHCB-300-001	300 g	0,01 g	Ø 120 mm	1
BHCB-600-001	600 g	0,01 g	Ø 120 mm	1
BHCB-601-001	600 g	0,02 g	Ø 120 mm	1
BHCB-1K0-001	1000 g	0,01 g	Ø 120 mm	1
BHCB-1K5-001	1500 g	0,05 g	Ø 120 mm	1
BHCB-3K0-001	3000 g	0,1 g	Ø 120 mm	1



**Compact portable balance, ADAM, CQT series**

Stainless steel pan. Three-point ShockProtect™ overload protection (it allows the balance withstand up to 200 kg of weight without damaging the weighing mechanism). Built in security slot for Kensington™ type lock. Battery powered with 6 x AA batteries or AC adapter. Auto power off to save battery life. Large backlit display is clear and quick to read. Removable draft shield (on models with 120 mm pan only). Smart housing design lets you safely stack balances on top of each other for convenient storage (on models with 120 mm pan only). External dimensions (mm) 170 x 245 x 80. Warranty 2 years. Delivery time: 10 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
BCQT-200-001	200 g	0,01 g	Ø 120 mm	1
BCQT-250-001	250 g	0,1 g	Ø 120 mm	1
BCQT-600-001	600 g	0,1 g	Ø 120 mm	1
BCQT-1K5-001	1500 g	0,1 g	Ø 120 mm	1
BCQT-2K6-001	2600 g	0,1 g	Ø 145 mm	1
BCQT-2K0-001	2000 g	1 g	Ø 145 mm	1
BCQT-5K0-001	5000 g	1 g	Ø 145 mm	1

**Precision balances, ADAM, DCT series**

Robust structure with overload protection. Three weighing units: gram, ounces and pounds (the 200 g model only gram and ounces). Automatic external calibration. Auto power off. Fed with 6 AA batteries or 220 V adapter included. Dimensions (mm) 208 x 147 x 40. Warranty 1 year



sales unit reference	capacity	readability	pan size	pcs per sales unit
BDCT-200-001	200 g	0,1 g	145 x 145 mm	1
BDCT-2K0-001	2000 g	1 g	145 x 145 mm	1
BDCT-5K0-001	5000 g	2 g	145 x 145 mm	1

**Precision balances, AC series**

ABS robust structure. Two weighing units: gram and ounces. Electronic calibration. Auto power off. Fed with batteries. Optional 220 V feeder. Dimensiones (mm) 170 x 240 x 40. Warranty 1 year



sales unit reference	capacity	readability	pan size	pcs per sales unit
BACS-500-001	500 g	0,1 g	Ø 148 mm	1
BACS-5K0-001	5000 g	1 g	Ø 148 mm	1

Accessories for AC series

BACS-POW-001	power supply 230V/50Hz	1
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**Pocket balance, P series**

Overload and shock protection cover. Tare function. Electronic calibration. Retro illuminated display. Auto power off. It works with 1.5 V batteries. Dimensions (mm) 127 x 79 x 18. Warranty 1 year



sales unit reference	capacity	readability	pan size	pcs per sales unit
BPOC-050-001	50 g	0,01 g	77 x 66 mm	1
BPOC-350-001	350 g	0,1 g	77 x 66 mm	1
BPOC-500-001	500 g	0,1 g	77 x 66 mm	1

**Top loading scale, CM series**

High weight resolution. Parts counting function. Add weight value manually or automatically. Weight in grams or lb. Output data RS-232C. Big display with backlight. AC adaptor and Internal rechargeable battery. External dimensions (mm): 325 x 330 x 110. 1-year warranty. Delivery time 10 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
BCMS-3K0-001	3000 g	0,1 g	310 x 220 mm	1
BCMS-6K0-001	6000 g	0,2 g	310 x 220 mm	1
BCMS-15K-001	15000 g	0,5 g	310 x 220 mm	1
BCMS-30K-001	30000 g	1 g	310 x 220 mm	1

### M Industrial wash down scales, ADAM, WBW series

Wash down scale (IP66 rated) ideal for food preparation, food processing plants, agricultural facilities and wet environments. Applications: weighing, check weighing. Large backlit LCD with capacity tracker and coloured LED check limit indicators. AC adaptor and Internal rechargeable battery. Large stainless steel pan. 5 weighing units (g, kg, lb, oz, lb-oz). External calibration (except EC type approval models). External dimensions (mm) 231 x 265 x 153. Warranty 2 years. Delivery time 10 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
BWBW-2K0-001	2 kg	0,2 g	210 x 173 mm	1
BWBW-4K0-001	4 kg	0,5 g	210 x 173 mm	1
BWBW-8K0-001	8 kg	1 g	210 x 173 mm	1
BWBW-16K-001	16 kg	2 g	210 x 173 mm	1
With EC type approval				
BWBW-3M0-001	3 kg	1 g	210 x 173 mm	1
BWBW-6M0-001	6 kg	2 g	210 x 173 mm	1
BWBW-15M-001	15 kg	5 g	210 x 173 mm	1

### M Industrial scales, ADAM, CBK series

Applications: weighing, check weighing, parts counting, check counting, percent weighing, weight accumulation. Large backlit LCD with capacity tracker and coloured LED check limit indicators. Full numeric keypad and colour coded keys. AC adaptor and Internal rechargeable battery. RS232 interface with multi-language, date and time output. ABS plastic housing and stainless steel pan. Memory accumulation. External calibration (except EC type approval models). External dimensions (mm) 315 x 355 x 110. Warranty 2 years. Delivery time 10 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
BCBK-4K0-001	4 kg	0,1 g	225 x 275 mm	1
BCBK-8K0-001	8 kg	0,1 g	225 x 275 mm	1
BCBK-8K1-001	8 kg	0,2 g	225 x 275 mm	1
BCBK-16K-001	16 kg	0,5 g	225 x 275 mm	1
BCBK-32K-001	32 kg	1 g	225 x 275 mm	1
BCBK-48K-001	48 kg	2 g	225 x 275 mm	1
With EC type approval				
BCBK-3M0-001	3 kg	1 g	225 x 275 mm	1
BCBK-6M0-001	6 kg	2 g	225 x 275 mm	1
BCBK-15M-001	15 kg	5 g	225 x 275 mm	1
BCBK-30M-001	30 kg	10 g	225 x 275 mm	1

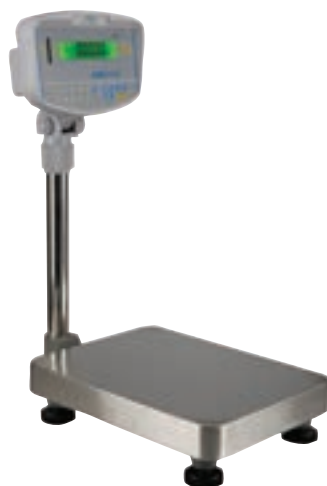
### Industrial scales, ADAM, LBK series

Applications: weighing, parts counting, %. AC Adapter and rechargeable battery up to 150 hours operation. ABS plastic housing and stainless steel top pan. 5 weighing units: g, kg, lb, oz, lb-oz. Pre-set tare. External calibration. Auto power off and overload alarm. External dimensions (mm) 250 x 307 x 110. Warranty 2 years. Delivery time 10 days



sales unit reference	capacity	readability	pan size	pcs per sales unit
BLBK-3K0-001	3 kg	0,5 g	250 x 180 mm	1
BLBK-6K0-001	6 kg	1 g	250 x 180 mm	1
BLBK-12K-001	12 kg	2 g	250 x 180 mm	1
BLBK-30K-001	30 kg	5 g	250 x 180 mm	1

**M Industrial scales, ADAM, GBK series**



Applications: weighing, check weighing, parts counting, check counting, percent weighing, dynamic/animal weighing. Backlit green display with 20 mm digits and capacity tracker. Full numeric keypad and colour coded keys. AC adaptor and Internal rechargeable battery. RS232 interface with multi-language, date and time output. ABS plastic indicator, stainless steel pan and die-cast aluminium base. Weighing units: g, kg (standard models); kg (EC type approval models). External calibration. External dimensions (mm) 300 x 520 x 680. Warranty 2 years. Delivery time 10 days

sales unit reference	capacity	readability	pan size	pcs per sales unit
BGBK-8K0-001	8 kg	0,1 g	300 x 400 mm	1
BGBK-16K-001	16 kg	0,5 g	300 x 400 mm	1
BGBK-32K-001	32 kg	1 g	300 x 400 mm	1
BGBK-60K-001	60 kg	2 g	300 x 400 mm	1
BGBK-12Q-001	120 kg	5 g	300 x 400 mm	1
With EC type approval				
BGBK-6M0-001	6 kg	2 g	300 x 400 mm	1
BGBK-15M-001	15 kg	5 g	300 x 400 mm	1
BGBK-30M-001	30 kg	10 g	300 x 400 mm	1
BGBK-60M-001	60 kg	20 g	300 x 400 mm	1
BGBK-1M5-001	150 kg	50 g	300 x 400 mm	1

**M Industrial scales, ADAM, GFK series**



Applications: weighing, parts counting, %, dynamic/animal weighing, check weighing, check counting. Easily accessible internal rechargeable battery with auto-off to save battery life. Large backlit LCD display with capacity tracker and check weighing LED lights to show acceptable limits. Parts counting with freely selectable sample sizes. Automatic accumulation. Bi-directional RS-232 output for connection to computers and printers with multi-language print-outs. ABS plastic indicator and stainless steel pan. External dimensions (mm) 600 x 950 x 860 (BGFK-6Q0-001), 400 x 620 x 860 (all other models). Warranty 2 years. Delivery time 10 days

sales unit reference	capacity	readability	pan size	pcs per sales unit
BGFK-75K-001	75 kg	5 g	400 x 500 mm	1
BGFK-75H-001	75 kg	1 g	400 x 500 mm	1
BGFK-1Q5-001	150 kg	10 g	400 x 500 mm	1
BGFK-1H5-001	150 kg	2 g	400 x 500 mm	1
BGFK-3Q0-001	300 kg	20 g	400 x 500 mm	1
BGFK-6Q0-001	600 kg	50 g	600 x 800 mm	1
With EC type approval				
BGFK-6M0-001	60 kg	20 g	400 x 500 mm	1
BGFK-1M5-001	150 kg	50 g	400 x 500 mm	1
BGFK-3M0-001	300 kg	100 g	400 x 500 mm	1

**Thermal printer for balances**

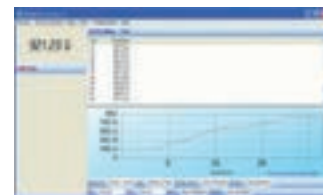


A general purpose thermal tally roll printer specifically designed to work with the Adam series of balances. The printer comes preset to work with the default RS-232 interface found on the Adam balances. The printer is easy to use with only an On/Off switch and a paper feed button. Paper width: 57.5 mm. Delivery time 10 days

sales unit reference	description	pcs per sales unit
BAAC-A22-001	thermal printer for series PW, PMB, PGW, PGL, HCB, CBK, GBK and GFK	1
BAAC-A23-001	thermal paper roll for printer BAAC-A22-001	1
BAAC-A08-001	RS-232 cable for series PW, PMB, PGW, PGL, HCB, CBK, GBK and GFK	1

### Data collection software for balances

AdamDU (Data Utility) software lets you easily capture data from Adam Equipment balances and scales for immediate analysis or export to other applications. Full information and a trial download at: [www.AdamDU.com](http://www.AdamDU.com). Delivery time 10 days



sales unit reference	description	pcs per sales unit
BAAC-A09-001	data collection software for series PW, PMB, PGW, PGL, HCB, CBK and GFK	1
BAAC-A08-001	RS-232 cable for series PW, PMB, PGW, PGL, HCB, CBK and GFK	1
BAAC-A13-001	USB cable for series PMB and HCB	1

### Security lock and cable for balances

The security lock and cable for the PW and PGW series fits the built in lock attachment and loops around an object to secure your balance in place. The flexible steel cable is tough to cut through and the combination lock allows you to choose your own number for added security. Delivery time 10 days

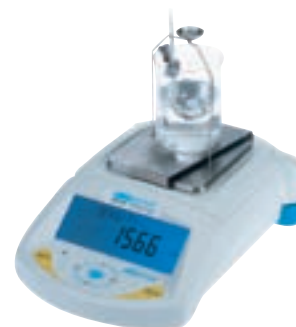
sales unit reference	description	pcs per sales unit
BAAC-A05-001	security lock and cable for series PW, PMB, PGW, PGL, HCB and CQT	1



### Density determination kit

The density determination kit consists of apparatus which allows the user to weigh a sample in air and then weigh the same in water or other liquid with a known density. The software in the balance takes the operator through the process and finally displays the resultant density on the LCD in  $\text{g/cm}^3$ , compensating for temperature and for the use of alternative fluids when calculating the density of solids. Delivery time 10 days

sales unit reference	description	pcs per sales unit
BAAC-A03-001	density determination kit for series PW	1
BAAC-A10-001	density determination kit for series PGW (models with readability 1 mg only)	1



### Hard carry cases for balances

Rugged construction keeps the scale safe. Key lock latches for security. Delivery time 10 days

sales unit reference	description	pcs per sales unit
BAAC-A14-001	hard carry case with lock for series HCB and CQT	1
BAAC-A19-001	hard carry case with lock for series CBK	1



### Covers for balances

Dust covers will help protect your balance from dust and dirt while not in use, while in-use covers are transparent and cover only keyboard and screen allowing to use the balance. Delivery time 10 days

sales unit reference	description	pcs per sales unit
BAAC-A06-001	dust cover for series PW	1
BAAC-A07-001	in-use cover for series PW	1
BAAC-A11-001	dust cover for series PGW and PGL (excluding models with pan size 300 x 400 mm)	1
BAAC-A12-001	in-use cover for series PGW and PGL	1
BAAC-A15-001	in-use cover for series HCB	1
BAAC-A16-001	in-use cover for series CQT	1
BAAC-A17-001	in-use cover for series LBK	1
BAAC-A18-001	in-use cover for series CBK	1
BAAC-A20-001	in-use cover for series GFK and GBK	1
BAAC-A21-001	in-use cover for series WBW	1





**“Anti-vibration table**

Designed for use in the laboratory or metrology room to provide suitable working conditions for devices that are sensitive to vibrations and shocks. Table dimensions: 770 x 650 x 715 mm. Easy to set up light weight mild steel. Adjustable levelling feet to take care of un-even floor. Scratch-proof top slab to avoid surface damage and marble finish (dimensions: 410 x 270 x 115 mm). Delivery time 20 days

sales unit reference	description	pcs per sales unit
BAAC-A24-001	anti-vibration table	1

**Calibration certificate for weights**

Delivered by a laboratory approved by ENAC under ISO 17025 (old EN 45.001) standards, recognized by similar accreditation bodies in 50 countries, such as COFRAC (France), DKD (Germany) or UKAS (UK). Note: to certify a full set of weights, one certificate per weight is necessary. Delivery time 6 weeks

sales unit reference	description	pcs per sales unit
WCER-E01-001	ENAC certificate of calibration, M1 class weights	1
WCER-E03-001	ENAC certificate of calibration, F1 class weights	1

**Precision weights full set weight < 1 g, class F1**

Case with 12 fractions. According to OIML R-111 recommendations. Certificate not included. For weights of 2, 20 and 200 mg, 2 units are included

sales unit reference	type	pcs per sales unit
WF1J-001-001	1, 2 (2), 5, 10, 20 (2), 50, 100, 200 (2) and 500 mg	1

**Precision weight, stainless steel, class F1**

Individual case included. According to OIML R-111 recommendations. Certificate not included

sales unit reference	type	pcs per sales unit
WF1S-001-001	1 g ± 0,10 mg	1
WF1S-002-001	2 g ± 0,12 mg	1
WF1S-005-001	5 g ± 0,15 mg	1
WF1S-010-001	10 g ± 0,20 mg	1
WF1S-020-001	20 g ± 0,25 mg	1
WF1S-050-001	50 g ± 0,30 mg	1
WF1S-100-001	100 g ± 0,50 mg	1
WF1S-200-001	200 g ± 1,0 mg	1
WF1S-500-001	500 g ± 2,5 mg	1
WF1S-1K0-001	1000 g ± 5 mg	1
WF1S-2K0-001	2000 g ± 10 mg	1
WF1S-5K0-001	5000 g ± 25 mg	1

**Precision weights full set weight < 1 g, class M1**

Case with 12 fractions. According to OIML R-111 recommendations. Certificate not included. For weights of 2, 20 and 200 mg, 2 units are included

sales unit reference	type	pcs per sales unit
WM1J-001-001	1, 2 (2), 5, 10, 20 (2), 50, 100, 200 (2) and 500 mg	1





### Precision weight, stainless steel, class M1

Individual case included. According to OIML R-111 recommendations. Certificate not included

sales unit reference	type	pcs per sales unit
WM1B-001-001	1 g ± 1,0 mg	1
WM1B-002-001	2 g ± 1,2 mg	1
WM1B-005-001	5 g ± 1,5 mg	1
WM1B-010-001	10 g ± 2,0 mg	1
WM1B-020-001	20 g ± 2,5 mg	1
WM1B-050-001	50 g ± 3,0 mg	1
WM1B-100-001	100 g ± 5,0 mg	1
WM1B-200-001	200 g ± 10 mg	1
WM1B-500-001	500 g ± 25 mg	1
WM1B-1K0-001	1000 g ± 50 mg	1
WM1B-2K0-001	2000 g ± 100 mg	1



### Precision weights, made of black cast iron, class M1

According to OIML R-111. Individual case and certificate not included. Delivery time 1 week

sales unit reference	type	pcs per sales unit
WM1M-1K0-001	1000 g ± 50 mg	1
WM1M-2K0-001	2000 g ± 100 mg	1
WM1M-5K0-001	5000 g ± 250 mg	1
WM1M-10K-001	10000 g ± 500 mg	1
WM1M-20K-001	20000 g ± 500 mg	1



### Weighing pan, aluminium

Also used in moisturizing process

sales unit reference	∅ <sub>top</sub> (mm)	∅ <sub>int</sub> (mm)	h (mm)	pcs per sales unit
WPAL-056-100	59	56	7	100
WPAL-072-100	74	72	7	100
WPAL-093-100	98	93	7	100



### Weighing pan, polystyrene

Square shape

sales unit reference	capacity	h (mm)	l (mm)	w (mm)	pcs per sales unit
WPAP-041-500	7 ml	7,5	41	41	500
WPAP-089-500	100 ml	24	89	89	500
WPAP-140-500	250 ml	22	140	140	500



### Weighing paper PRAT DUMAS

In square sheets. 100 % cellulose without binder. Surface weight: 25 g/m<sup>2</sup>. Suitable for food applications. Paper used for the weighing of substances of all kinds, more particularly in the sugar industry to determine beets sugar content

sales unit reference	l (mm)	w (mm)	pcs per sales unit
WPPF-100-1K0	100	100	1000



### Weighing funnel

Made of borosilicate glass LGB 3.3

sales unit reference	capacity	pcs per sales unit
WFU3-003-002	3 ml	2
WFU3-006-002	6 ml	2
WFU3-010-002	10 ml	2





**Magnetic stirrer without heating, LBX S03 series, 3 L**

Speed adjustable between 0 and 1500 rpm. Housing made of ABS with fire retardant material, withstanding weak acids and alkalis. For beakers  $\varnothing < 135$  mm and magnetic bars from 30 mm up to 50 mm long. Supplied with a PTFE magnetic bar. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

sales unit reference	capacity	h (mm)	l (mm)	w (mm)	pcs per sales unit
STIS-003-001	3 L	80	260	150	1



**Magnetic stirrer without heating, LBX S03D series, digital regulation, 3 L**

Speed adjustable between 100 and 1500 rpm. Housing made of ABS with fire retardant material, withstanding weak acids and alkalis. LED display for set and actual speeds. Microprocessor control technology guarantees speed control accuracy. For beakers  $\varnothing < 135$  mm and magnetic bars from 30 mm up to 50 mm long. Supplied with a PTFE magnetic bar. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

sales unit reference	capacity	h (mm)	l (mm)	w (mm)	pcs per sales unit
STIS-D03-001	3 L	80	260	150	1



**Magnetic stirrer without heating, LBX S20 series, ceramic coated plate, 20 L**

Speed adjustable between 0 and 1500 rpm. Ceramic coated plate. Motor with electronic speed control, constant speed even during changes in load. High magnetic adhesion, preventing the stirrer bar to escape. DC brushless motor guarantees long service. For beakers  $\varnothing < 135$  mm and magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

sales unit reference	capacity	h (mm)	l (mm)	w (mm)	pcs per sales unit
STIS-020-001	20 L	85	280	160	1



**Multi-position magnetic stirrer without heating, LBX S04X10 series, 10 positions**

High-performance magnetic stirrer with 10 stirring positions benefit laboratory space. Speed adjustable between 0 and 1100 rpm. Stainless steel plate with silicone film, anti-slip and anti-corrosion. Individually controlled stirring for consistency with various samples. DC brushless motor maintenance free. Dimension of work plate: 180 x 450 mm. For magnetic bars up to 40 mm long. Supplied with a PTFE magnetic bars. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

sales unit reference	capacity per position	h (mm)	l (mm)	w (mm)	pcs per sales unit
STIS-100-001	0,4 L	65	552	182	1



**Magnetic mini-stirrer with heating LBX H01 series, 2 L**

Epoxy resin housing and aluminum plate with aluminum heating plate with dimensions 120 x 120 mm. Stirring speed adjustable between 0 and 2000 rpm. Temperature adjustable up to 380 °C on plate. Electric motor power: 10 W, heating power: 180 W. Includes aluminum rod and retort clamp for thermometer holding. 230 V/50 Hz. Warranty 2 years

sales unit reference	capacity	h (mm)	l (mm)	w (mm)	pcs per sales unit
STIH-001-001	2 L	90	200	120	1

### Digital magnetic stirrer with heating and ceramic coated plate, LBX H03D series, 3 L

Housing made of ABS with fire retardant material, withstanding weak acids and alkalis. Ceramic coated hotplate. LED display for temperature and speed. Stirring speed adjustable between 100 and 1500 rpm. Temperature adjustable up to 280 °C on plate. Heating power: 515 W. Opcional: external temperature sensor Pt1000 allows a real-time temperature control (accuracy  $\pm 0,5^{\circ}\text{C}$ ) and support clamp for temperature sensor. HOT warning indicates residual hotplate temperature. For beakers with  $\varnothing < 135$  mm and magnetic bars up to 50 mm long. Supplied with a PTFE magnetic bar. 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years



sales unit reference	capacity	h (mm)	l (mm)	w (mm)	pcs per sales unit
STIH-D03-001	3 L	80	260	150	1

#### Accessories

STIH-A00-001	Pt1000 temperature sensor (length of 230 mm)	1
STIH-A01-001	Pt1000 temperature sensor with glass coated (length of 230 mm)	1
STIH-A02-001	support clamp for temperature sensor	1

### Magnetic stirrer with heating and ceramic coated plate, LBX H20 series, 20 L

Ceramic coated hotplate. Stirring speed adjustable between 0 and 1500 rpm. Temperature adjustable up to 340 °C on plate. Heating power: 530 W. Separated safety circuit, automatically stopping heating when temperature goes over 350 °C. Motor with electronic speed control, constant speed even during changes in load. High magnetic adhesion, preventing the stirrer bar escape. DC brushless motor maintenance free. For beakers with  $\varnothing < 135$  mm and magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years



sales unit reference	capacity	h (mm)	l (mm)	w (mm)	pcs per sales unit
STIH-020-001	20 L	85	280	160	1

### Digital magnetic stirrer with heating and ceramic coated plate, LBX H20D series, 20 L

Ceramic coated hotplate. Stirring speed adjustable between 100 and 1500 rpm. Temperature adjustable up to 340 °C on plate. Heating power: 550 W. PID temperature technology allows a very precise control of the heating process, reaching quickly the target temperature and enhancing control accuracy. LCD display for set and actual speeds. Separated safety circuits, automatically stopping heating when temperature over 360 °C. HOT warning indicates residual hotplate temperature, even if switched off. Opcional: external temperature sensor Pt1000 allows a real-time temperature control (accuracy  $\pm 0,2^{\circ}\text{C}$ ) and support clamp for temperature sensor. DC brushless motor maintenance free. For beakers  $\varnothing < 135$  mm and magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. RS232 interface and free StirPC software. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years



sales unit reference	capacity	h (mm)	l (mm)	w (mm)	pcs per sales unit
STIH-D20-001	20 L	85	280	160	1

#### Accessories

STIH-A00-001	Pt1000 temperature sensor (length of 230 mm)	1
STIH-A01-001	Pt1000 temperature sensor with glass coated (length of 230 mm)	1
STIH-A04-001	support clamp for temperature sensor	1

**Digital magnetic stirrer with heating and glass ceramic plate, LBX H205QC series, 20 L**



Glass Ceramic hotplate, dimensions 184x184 mm. Stirring speed adjustable between 0 and 1500 rpm. Temperature adjustable up to 550 °C on plate. Heating power: 1030 W. LED display for set and actual speeds. Separated safety circuits, automatically stopping heating when temperature goes over 580 °C. HOT warning indicates residual hotplate temperature, even if switched off. Opcional: external temperature sensor Pt1000 allows a real-time temperature control (accuracy  $\pm 0,5^{\circ}\text{C}$ ) and support clamp for temperature sensor. For magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

sales unit reference	capacity	h (mm)	l (mm)	w (mm)	pcs per sales unit
STIH-G20-001	20 L	112	360	215	1

Accessories

STIH-A00-001	Pt1000 temperature sensor (length of 230 mm)	1
STIH-A01-001	Pt1000 temperature sensor with glass coated (length of 230 mm)	1
STIH-A04-001	support clamp for temperature sensor	1

**Vortex stirrer LBX, V05 series, with speed control**

Electronic adjustment of speed between 0 and 2500 rpm. Two function mode: continuous operation or short-time operation by pressure over the head. Different applications thanks to the adapters (optional). Standard top for  $\varnothing < 30$  mm tubes and small vessels, VORX-A03-001, delivered with the stirrer. High stability due to the specially designed vacuum suction feet, preventing the unit to move. 200-230 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

sales unit reference	h (mm)	$\varnothing$ (mm)	w (mm)	pcs per sales unit
VORX-005-001	130	160	127	1

Accessories and spare parts

VORX-A03-001	standard holder for $< \varnothing 30$ mm tubes	1
VORX-A04-001	universal top plate for tubes adaptators or non-slip platform $\varnothing 100$ mm	1
VORX-A06-001	tension rod (to be used with tube adaptators)	1
VORX-A07-001	rubber vacuum suction foot with screw	1

Adapters

MIXS-A41-001	tube adapter for 48 holes test tubes, $\varnothing 6$ mm	1
MIXS-A51-001	tube adapter for 18 holes test tubes, $\varnothing 10$ mm	1
MIXS-A61-001	tube adapter for 12 holes test tubes, $\varnothing 12$ mm	1
MIXS-A71-001	tube adapter for 8 holes test tubes, $\varnothing 16$ mm	1
MIXS-A81-001	tube adapter for 8 holes test tubes, $\varnothing 20$ mm	1
VORX-A05-001	non-slip platform pad for tubes ( $\varnothing < 99$ mm)	1

**Tube roller LBX TR06 series, variable speed, 6 rollers**

Rocking and rolling motions for complete mixing. Speed regulation between 0 and 70 rpm. Six rollers easy to clean. Continuous operation. DC brushless motor maintenance free. Can be used in cold rooms or in incubators. 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

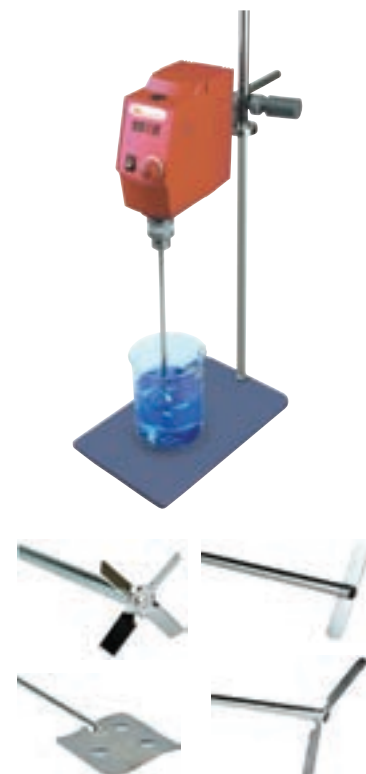
sales unit reference	h (mm)	l (mm)	w (mm)	roller size (L) (mm)	pcs per sales unit
MIXS-002-001	120	450	260	280	1



### Digital overhead stirrer LBX OS20 / OS40 series

Vertical rotation stirrer with speed regulation between 0 and 2200 rpm. Used for stirring beakers and other bottles by a stick (not included, see accessories) fixed in the shaft. To fix it, you will require a retort stand and a bosshead (not included). LED displays actual speed. Anti-spill system. Overload protection, motor would automatically stop in case of continuous overload. Separated safety circuits, automatically cut off the circuit in abnormal conditions. DC brushless motor maintenance free. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

sales unit reference	capacity	max. viscosity	power	pcs per sales unit
STIV-020-001	20 L	10000 mPa	70 W	1
STIV-040-001	40 L	50000 mPa	130 W	1
316L stainless steel stirring bars				
STIV-A05-001	crossed stirrer, shaft length 40 cm, stirrer Ø 5 cm			1
STIV-A06-001	straight stirrer, shaft length 40 cm, stirrer Ø 6 cm			1
STIV-A07-001	blade stirrer, shaft length 40 cm, stirrer Ø 6.8 cm			1
STIV-A08-001	centrifugal stirrer, shaft length 40 cm, stirrer Ø 9 cm			1
PTFE coated stirring bars				
STIV-A09-001	crossed stirrer, shaft length 35 cm, stirrer Ø 6.5 cm			1
STIV-A10-001	straight stirrer, shaft length 35 cm, stirrer Ø 7 cm			1
STIV-A11-001	blade stirrer, shaft length 35 cm, stirrer Ø 6.8 cm			1
STIV-A12-001	centrifugal stirrer, shaft length 35 cm, stirrer Ø 8.5 cm			1
Accessories				
RTSM-300-001	universal retort stand			1
BOSH-001-001	bosshead			4



### Microplate mixer LBX MM1500 series

Universal microplate mixer suitable for tubes and 96-well microplates. Adapter for 1 microplate supplied with the stirrer (see other accessories). Speed regulation between 0 and 1500 rpm. Continuous operation. DC brushless motor maintenance free. 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

sales unit reference	h (mm)	l (mm)	w (mm)	pcs per sales unit
MIXS-001-001	80	260	150	1
Accessories and spare parts				
MIXS-A11-001	adapter for 1 microplate, speed range: 0 - 1500 rpm			1
MIXS-A21-001	adapter for 2 microplates, speed range: 0 - 1000 rpm			1
MIXS-A31-001	universal top plate (round) for tube adapters			1
Adapters				
MIXS-A41-001	for 48 test tubes, Ø 6 mm			1
MIXS-A51-001	for 18 test tubes, Ø 10 mm			1
MIXS-A61-001	for 12 test tubes, Ø 12 mm			1
MIXS-A71-001	for 8 test tubes, Ø 16 mm			1
MIXS-A81-001	for 8 test tubes, Ø 20 mm			1



### Rotator stirrer LBX RR70 series

End-over-end or rolling action for complete mixing. Digital control speed regulation between 10 and 70 rpm. LCD displays timer. Adjustable mixing angle between 0 and 90°. Continuous and timed quiet operation. MIXS-A43-001 delivered with the rotator stirrer. Used with a wide variety of other accessories (not included). 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years



sales unit reference	h (mm)	l (mm)	w (mm)	pcs per sales unit
MIXS-003-001	260	510	190	1

#### Accessories

MIXS-A13-001	accessory for 1,5ml x 48 centrifuge tubes held horizontally	1
MIXS-A23-001	accessory for 1,5ml x 32 centrifuge tubes held vertically	1
MIXS-A33-001	accessory for 50ml x 24 centrifuge tubes held horizontally	1
MIXS-A43-001	accessory for 50ml x 16 centrifuge tubes held vertically	1
MIXS-A53-001	accessory for 15ml x 24 centrifuge tubes held horizontally	1
MIXS-A63-001	accessory for 15ml x 16 centrifuge tubes held vertically	1

### Rotator stirrer with carousel type design LBX RD70 series

End-over-end or rolling action for complete mixing. The rotator comes with a carousel type design. Digital control speed regulation between 10 and 70 rpm. LCD displays timer. Adjustable mixing angle between 0 and 90°. Continuous and timed quiet operation. MIXS-A34-001 delivered with the rotator stirrer. Used with a wide variety of other accessories (not included). 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years



sales unit reference	h (mm)	l (mm)	w (mm)	pcs per sales unit
MIXS-004-001	260	510	190	1

#### Accessories

MIXS-A14-001	1,5ml x 60 centrifuge tubes holder	1
MIXS-A24-001	15ml x 16 centrifuge tubes holder	1
MIXS-A34-001	50ml x 8 centrifuge tubes holder	

### Magnetic stirring bar, octahedral

Fully encapsulated with high-grade PTFE. For containers with bases that are slightly curved or uneven



sales unit reference	Ø (mm)	l (mm)	pcs per sales unit
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#### Single unit

MAGO-013-001	8	13	1
MAGO-015-001	8	15	1
MAGO-022-001	8	22	1
MAGO-025-001	8	25	1
MAGO-028-001	8	28	1
MAGO-038-001	8	38	1
MAGO-051-001	10	51	1
MAGO-075-001	13	75	1

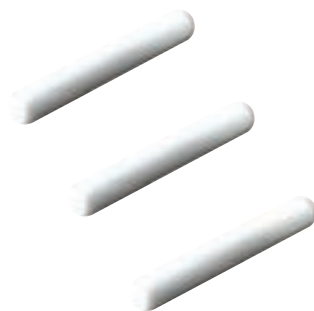
#### 30 units "Saving package"

MAGO-013-030	8	13	30
MAGO-015-030	8	15	30
MAGO-022-030	8	22	30
MAGO-025-030	8	25	30
MAGO-028-030	8	28	30
MAGO-038-030	8	38	30
MAGO-051-030	10	51	30
MAGO-075-030	13	75	30

**Magnetic stirring bar, cylindrical**

Fully encapsulated with high-grade PTFE. General purpose stirrer for a wide variety of applications

sales unit reference	∅ (mm)	l (mm)	pcs per sales unit
<b>Single unit</b>			
MAGC-006-001	3	6	1
MAGC-008-001	3	8	1
MAGC-010-001	6	10	1
MAGC-012-001	4,5	12	1
MAGC-015-001	4,5	15	1
MAGC-615-001	6	15	1
MAGC-620-001	6	20	1
MAGC-020-001	7	20	1
MAGC-625-001	6	25	1
MAGC-025-001	8	25	1
MAGC-630-001	6	30	1
MAGC-730-001	7	30	1
MAGC-030-001	8	30	1
MAGC-635-001	6	35	1
MAGC-040-001	8	40	1
MAGC-045-001	8	45	1
MAGC-050-001	8	50	1
MAGC-060-001	10	60	1
MAGC-070-001	10	70	1
MAGC-080-001	10	80	1
<b>30 units "Saving package"</b>			
MAGC-006-030	3	6	30
MAGC-008-030	3	8	30
MAGC-010-030	6	10	30
MAGC-012-030	4,5	12	30
MAGC-015-030	4,5	15	30
MAGC-615-030	6	15	30
MAGC-020-030	7	20	30
MAGC-620-030	6	20	30
MAGC-025-030	8	25	30
MAGC-625-030	6	25	30
MAGC-630-030	6	30	30
MAGC-730-030	7	30	30
MAGC-030-030	8	30	30
MAGC-635-030	6	35	30
MAGC-040-030	8	40	30
MAGC-045-030	8	45	30
MAGC-050-030	8	50	30
MAGC-060-030	10	60	30
MAGC-070-030	10	70	30
MAGC-080-030	10	80	30



### Magnetic stirring bar, oval

Fully encapsulated with high-grade PTFE. For use in round bottomed flasks



sales unit reference	∅ (mm)	l (mm)	pcs per sales unit
Single unit			
MAGV-020-001	10	20	1
MAGV-025-001	12	25	1
MAGV-030-001	16	30	1
MAGV-035-001	16	35	1
MAGV-040-001	20	40	1
MAGV-050-001	20	50	1
30 units "Saving package"			
MAGV-020-030	10	20	30
MAGV-025-030	12	25	30
MAGV-030-030	16	30	30
MAGV-035-030	16	35	30
MAGV-040-030	20	40	30
MAGV-050-030	20	50	30

### Magnetic stirring bar, plain

Fully encapsulated with high-grade PTFE. Similar as cylindrical ones but more effective at low rpm



sales unit reference	∅ (mm)	l (mm)	pcs per sales unit
Single unit			
MAGP-012-001	3	12	1
MAGP-025-001	8	25	1
MAGP-040-001	8	40	1
MAGP-050-001	8	50	1
30 units "Saving package"			
MAGP-012-030	3	12	30
MAGP-025-030	8	25	30
MAGP-040-030	8	40	30
MAGP-050-030	8	50	30

### Magnetic stirring bar, triangular

Fully encapsulated with high-grade PTFE. Particularly effective for dissolving solids and mixing sediments because of scraper-like action



sales unit reference	∅ (mm)	l (mm)	pcs per sales unit
Single unit			
MAGT-012-001	6	12	1
MAGT-025-001	8	25	1
MAGT-035-001	9	35	1
MAGT-040-001	14	40	1
MAGT-050-001	12	50	1
30 units "Saving package"			
MAGT-012-030	6	12	30
MAGT-025-030	8	25	30
MAGT-035-030	9	35	30
MAGT-040-030	14	40	30
MAGT-050-030	12	50	30



### Magnetic stirring bar, crosshead

Fully encapsulated with high-grade PTFE. Designed for use with tube-like containers

sales unit reference	∅ (mm)	h (mm)	pcs per sales unit
Single unit			
MAGZ-010-001	10	8	1
30 units "Saving package"			
MAGZ-010-030	10	8	30



### Magnetic stirring bar, micro

Fully encapsulated with high-grade PTFE. Designed for use with the smallest containers

sales unit reference	∅ (mm)	l (mm)	pcs per sales unit
MAGM-002-010	2	2	10
MAGM-003-010	3	3	10
MAGM-005-010	2	5	10
MAGM-007-010	2	7	10
MAGM-008-010	1,5	8	10



### Magnetic stirring bar, giant

Pivot ring shape. Fully encapsulated with high-grade PTFE. Designed for use with the biggest containers

sales unit reference	∅ (mm)	l (mm)	pcs per sales unit
MAGG-057-001	24	57	1
MAGG-108-001	24	108	1
MAGG-159-001	24	159	1



### Stirpack 1: 12 cylindrical magnetic stirring bar set

Plasticbox with 12 cylindrical stirring bars (∅xL): 3x8, 6x10, 4,5x12, 4,5x15, 7x20, 8x25 (2 pcs), 8x30 (2 pcs), 8x40, 8x45 and 10x60

sales unit reference	description	pcs per sales unit
MAGS-PK1-012	StirPack 1: 12 cylindrical stirring bars	12



### Stirpack 2: 12 octahedral magnetic stirring bar set

Plasticbox with 12 octahedral stirring bars (∅xL): 8x13 (2 pcs), 8x25 (3 pcs), 8x38 (3 pcs), 10x51 (2 pcs) and 13x75 (2 pcs)

sales unit reference	description	pcs per sales unit
MAGS-PK2-012	StirPack 2: 12 octahedral stirring bars	12



### Stirpack 3: 17 assorted magnetic stirring bar set

Plasticbox with 17 stirring bars: 11 cylindrical ones(∅xL): 3x8, 6x10, 4,5x12, 7x20, 8x25 (2 pcs), 8x30 (2 pcs), 8x40, 8x50 y 10x70. 4 octahedral ones (∅xL): 8x25, 8x38, 10x51 y 13x75. 2 oval ones (∅xL): 10x20 and 16x30

sales unit reference	description	pcs per sales unit
MAGS-PK3-017	StirPack 3: 17 assorted stirring bars	17



### Magnet retriever, PTFE

Moulded in pure, FDA approved, PTFE. Autoclavable

sales unit reference	∅ (mm)	l (mm)	pcs per sales unit
MAGR-150-001	10	150	1
MAGR-250-001	10	250	1
MAGR-350-001	10	350	1





### Bunsen burner with tap

Bunsen with tap and flame stabilizer. Nickel-plated brass tube 11 mm diameter x 130 mm height

sales unit reference	type	pcs per sales unit
BUNS-B01-001	for LPG	1
BUNS-N01-001	for Natural gas	1



### Sekur-flam burner

Bunsen with tap and flame stabilizer. Designed with a security valve to stop the gas if there is any accidental flame turn off. Security valves are approved and delivered with CE conformity certificate according to EU directive 90/396. Nickel-plated brass tube 11 mm diameter x 130 mm height

sales unit reference	type	pcs per sales unit
BUNS-B02-001	for LPG	1
BUNS-N02-001	for Natural gas	1



### Sekur-flam burner with piezoelectric lighting

Bunsen with tap, flame stabilizer and piezoelectric lighting. Designed with a security valve to stop the gas if there is any accidental flame turn off. Security valves are approved and delivered with CE conformity certificate according to EU directive 90/396. Nickel-plated brass tube 11 mm diameter x 130 mm height

sales unit reference	type	pcs per sales unit
BUNS-B03-001	for LPG	1
BUNS-N03-001	for Natural gas	1



### Alcohol burner

Made of glass, complete with wick and plastic cap

sales unit reference	capacity	pcs per sales unit
ALBN-100-001	100 ml	1



### Piezoelectric lighter

To light bunsen burner

sales unit reference	type	pcs per sales unit
LIGH-002-001	gas	1



### Basic heating plate

Basic heating plate for occasional heating, not suitable for continuous use at maximum power. Regulable power (5 positions) and temperature over plate up to 400 °C. 30 V/50 Hz. Warranty 2 years

sales unit reference	power	pan size	pcs per sales unit
HEAB-1K5-001	1500 W	Ø 180 mm	1



### labkem silicone oil for heating baths LBSil 100

Silicon oil stable at heating and withstanding high temperatures (-50 +200°C). High chemical stability, low evaporation and low variation of viscosity with temperature

sales unit reference	type	pcs per sales unit
S100-1K0-001	LBSil 100, bottle of 1000 ml	1
S100-5K0-001	LBSil 100, bottle of 5000 ml	1

**“Heating bath with immersion thermostat**

Specially designed for the educational field. Composed by a heating head (350 W), a transparent tank made of polycarbonate and a stainless steel rack for 24 test tubes Ø19 mm. Tank capacity 3.5 L, dimensions (mm): 100 x 150 x 200. Temperature: room temperature +5 °C up to 90 °C. 220 V/60 Hz. Warranty 2 years. Delivery time 3 weeks



sales unit reference	type	pcs per sales unit
BATT-M03-001	analogic temperature regulation	1

**“Heated ultrasonic bath**

Housing and bath made of AISI 304 stainless steel. All models includes lid, basket and rack. Digital temperature regulation (from room temperature +5 °C up to 80 °C). With drainage valve (except for 0.7 liter model). 230 V/50 Hz. Warranty 1 year. Delivery time 1 week



sales unit reference	capacity	ultrasound power	heating power	internal dimensions (l x w x h)	pcs per sales unit
ULTS-0L7-001	0,7 L	50 W	100 W	150 x 85 x 60 mm	1
ULTS-1L3-001	1 L	50 W	100 W	130 x 120 x 65 mm	1
ULTS-2L0-001	1,5 L	50 W	100 W	140 x 130 x 100 mm	1
ULTS-3L0-001	3,0 L	100 W	100 W	230 x 130 x 100 mm	1
ULTS-6L0-001	6,0 L	200 W	150 W	300 x 150 x 150 mm	1
ULTS-10L-001	10,0 L	300 W	500 W	295 x 235 x 150 mm	1
ULTS-15L-001	14,0 L	400 W	750 W	325 x 295 x 150 mm	1
ULTS-28L-001	28,0 L	500 W	1000 W	495 x 295 x 200 mm	1

**“Oil taste bath, 6 places**

Housing made of AISI 304 stainless steel. Non-removable fixed aluminium box. Heating through a flat element covering all the box surface. Temperature adjustment with a digital thermometer, from room temperature +5 °C up to 40 °C. 3-digits temperature display with accuracy 0,1 °C. External dimensions: 185 x 80 x 315 mm. Aluminium box specially design for edible oil tasting according to European Union regulation L.248/67. Designed following recommendations of IOC (International Olive Council). Manufactured as per CE directives. 230V/50Hz. Warranty 2 years. Delivery time 3 weeks



sales unit reference	max. temperature	consumption (W)	pcs per sales unit
OLIV-B06-001	30 °C	125	1

Accessories and spare parts

OLIV-001-006	tasting glass for olive oil, blue glass	6
WDIN-060-010	watch glass dish, 60 mm, LBG N	10

**Heating mantle, LBX HM01 series**

Heating mantle with electronic temperature regulation for distillation, digestion, evaporation, extraction and boiling. Maximum mantle temperature of 450°C at the surface. Continuous operation. Fast, uniform and safety temperature regulation. Featured by anti-corrosion, age-resistant, durable and safe. Easy to operate. Includes aluminum rod and retort clamp for thermometer holding 220V/50Hz. Warranty 1 year



sales unit reference	capacity	power (W)	Ø x h (mm)	pcs per sales unit
HEAM-101-001	100 ml	100	200 x 160	1
HEAM-251-001	250 ml	150	200 x 160	1
HEAM-501-001	500 ml	250	200 x 160	1
HEAM-1K1-001	1000 ml	350	260 x 200	1
HEAM-2K1-001	2000 ml	450	300 x 230	1

**"Muffle furnace for laboratory, Economy series, max. temp 1100° C**



Metal housing with paint protection. Built with low density refractory bricks and isolating fibers. Composed of 2 heating plates with incorporated resistance, placed on the 2 sides. Chamber built with Tritton Kaowool ceramic fiber. Ceramic tray included. Front opening door. Safety device: furnace disconnection by thermocouple break. Digital temperature regulation type PAD (Digital Automatic Pyrometer). Maximum service temperature: 1000 °C. Not recommended in continuous use. Warranty 2 years. Delivery time 1 week

sales unit reference	description	pcs per sales unit
OVEC-016-001	chamber: 80x130x150 mm (1.6 L)	1
OVEC-036-001	chamber: 120x150x200 mm (3.6 L)	1
OVEC-076-001	chamber: 160x200x240 mm (7.6 L)	1
Accessories and spare parts		
OVEC-A00-001	tray made of ceramic for OVEC-016-001	1
OVEC-A01-001	tray made of ceramic for OVEC-036-001	1
OVEC-A03-001	tray made of ceramic for OVEC-076-001	1
OVEC-A05-001	step programation: 1 program of 8 segments	1
OVEC-A06-001	step programation: 4 programs of 15 segments	1

**Melting crucible high form, with lid Basic Line**

Price includes crucible and lid. Glazed inside and outside



sales unit reference	capacity	Ø <sub>rim</sub> (mm)	h (mm)	pcs per sales unit
CRHC-015-006	15 ml	32	34	6
CRHC-020-006	20 ml	36	38	6
CRHC-030-006	30 ml	40	46	6
CRHC-040-006	40 ml	42	54	6
CRHC-050-006	50 ml	43	58	6

**Melting crucible medium form, with lid Basic Line**

Price includes crucible and lid. Glazed inside and outside



sales unit reference	capacity	Ø <sub>rim</sub> (mm)	h (mm)	pcs per sales unit
CRMC-010-006	10 ml	30	28	6
CRMC-015-006	15 ml	35	30	6
CRMC-020-006	20 ml	38	32	6
CRMC-025-006	25 ml	40	36	6
CRMC-030-006	30 ml	42	41	6
CRMC-040-006	40 ml	48	42	6
CRMC-050-006	50 ml	53	46	6
CRMC-100-006	100 ml	63	59	6
CRMC-150-006	150 ml	77	63	6
CRMC-200-006	200 ml	82	70	6
CRMC-300-006	300 ml	90	78	6

**Melting crucible low form, with lid Basic Line**

Price includes crucible and lid. Glazed inside and outside



sales unit reference	capacity	Ø <sub>rim</sub> (mm)	h (mm)	pcs per sales unit
CRLC-015-006	15 ml	43	23	6
CRLC-018-006	18 ml	45	25	6
CRLC-025-006	25 ml	47	27	6
CRLC-030-006	30 ml	51	30	6
CRLC-040-006	40 ml	55	34	6
CRLC-045-006	45 ml	57	36	6
CRLC-050-006	50 ml	59	38	6

**Melting crucible high form Premium Line**

Made of upper grade porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and lower bottom. Do not include cover

sales unit reference	capacity	$\varnothing_{\text{rim}}$ (mm)	h (mm)	cover type	pcs per sales unit
CRHK-005-006	5 ml	24	20	A	6
CRHK-010-006	10 ml	31	26	B	6
CRHK-015-006	15 ml	35	29	C	6
CRHK-025-006	25 ml	40	32	D	6
CRHK-030-006	30 ml	43	37	D	6
CRHK-040-006	40 ml	50	40	E	6
CRHK-050-006	50 ml	53	43	F	6
CRHK-100-006	100 ml	65	54	G	6
CRHK-250-003	250 ml	88	72	I	3

**Melting crucible low form Premium Line**

Made of upper grade porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and lower bottom. Do not include cover

sales unit reference	capacity	$\varnothing_{\text{rim}}$ (mm)	h (mm)	cover type	pcs per sales unit
CRLK-010-006	10 ml	32	20	B	6
CRLK-020-006	20 ml	41	26	D	6
CRLK-030-006	30 ml	50	31	E	6
CRLK-050-006	50 ml	61	37	G	6
CRLK-100-006	100 ml	76	46	H	6
CRLK-150-006	150 ml	84	52	I	6
CRLK-250-006	250 ml	102	60	J	6
CRLK-500-006	500 ml	120	87		6

**Crucible cover Premium Line**

Made of upper grade porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim

sales unit reference	$\varnothing$ (mm)	cover type	pcs per sales unit
CRCK-026-006	26	A	6
CRCK-034-006	34	B	6
CRCK-038-006	38	C	6
CRCK-047-006	47	D	6
CRCK-053-006	53	E	6
CRCK-058-006	58	F	6
CRCK-069-006	69	G	6
CRCK-080-006	80	H	6
CRCK-093-006	93	I	6
CRCK-108-006	108	J	6

**Gooch crucible with perforated bottom Premium Line**

Made of porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and lower bottom. Do not include cover

sales unit reference	capacity	$\varnothing_{\text{top}}$ (mm)	h (mm)	for paper filter $\varnothing$	pcs per sales unit
CRGK-015-006	15 ml	29	32	15-16 mm	6
CRGK-030-006	30 ml	36	45	20-21 mm	6
CRGK-050-006	50 ml	40	49	23-24 mm	6



NEW

### Quartz crucible, transparent

Tall form. They can withstand temperatures up to 1100 °C. Price includes crucible and lid



sales unit reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs per sales unit
CRQZ-020-001	20 ml	35	41	1
CRQZ-025-001	25 ml	37	45	1
CRQZ-030-001	30 ml	39	49	1
CRQZ-050-001	50 ml	46	59	1
CRQZ-100-001	100 ml	57	72	1

### Alumina crucible high form Premium Line

Made of alumina 99,7 % withstanding temperatures up to 1750 °C. Unglazed. Do not include cover



sales unit reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs per sales unit
ACHF-020-001	20 ml	40	35	1
ACHF-050-001	50 ml	51	47	1
ACHF-100-001	100 ml	60	62	1

### Combustion boat Premium Line

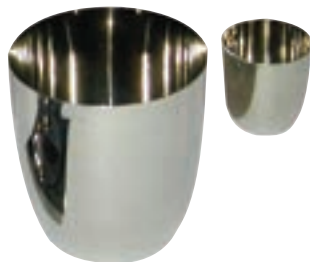
Made of porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except lower bottom. With perforated handle



sales unit reference	capacity	length (mm)	h (mm)	width (mm)	pcs per sales unit
COBK-080-012	1,5 ml	80	10	12	12
COBK-086-001	2 ml	86	11	13	1
COBK-090-001	2,2 ml	90	11	13	1
COBK-120-001	4 ml	120	13	20	1

### Platinum melting crucible

Made of pure platinum (>99,95%). Due to the high volatility price of this metal, there is no price list for this product. If you are interested, kindly contact our Customer Service



sales unit reference	capacity	Ø <sub>rim</sub> (mm)	Ø <sub>base</sub> (mm)	h (mm)	pcs per sales unit
CRHX-015-001	15 ml	30	17	33	1
CRHX-020-001	20 ml	32	19	34	1
CRHX-025-001	25 ml	34	20	38	1
CRHX-030-001	30 ml	36	22	40	1
CRHX-035-001	35 ml	38	25	43	1
CRHX-040-001	40 ml	40	26	45	1
CRHX-050-001	50 ml	44	27	50	1
CRHX-060-001	60 ml	46	30	52	1
CRHX-080-001	80 ml	50	32	55	1
CRHX-100-001	100 ml	60	33	65	1

We can supply any kind of tall or low form of any capacity crucible lids, capsules or any other lab accessory made of pure platinum alloys (such as 5%/95% Au-Pt; 10%/90% Ir-Pt; 10%/90% Rh/Pt...).

For prices and delivery times, kindly contact our Customer Service

### Thermometer

Chemical thermometers filled with colored liquid (without mercury)

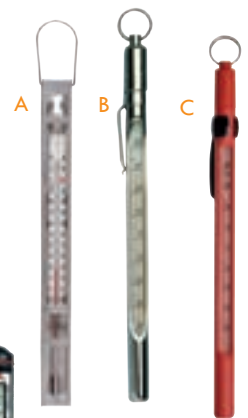
sales unit reference	range	accuracy	∅ (mm)	l (mm)	pcs per sales unit
THER-060-001	-10 +60 °C	± 1 °C	6	250	1
THER-110-001	-10 +110 °C	± 1 °C	6	300	1
THER-150-001	-10 +150 °C	± 1 °C	6	300	1
THER-200-001	-10 +200 °C	± 1 °C	6	305	1
10 units "Saving package"					
THER-060-010	-10 +60 °C	± 1 °C	6	250	10
THER-110-010	-10 +110 °C	± 1 °C	6	300	10
THER-150-010	-10 +150 °C	± 1 °C	6	300	10
THER-200-010	-10 +200 °C	± 1 °C	6	305	10
50 units "Saving package"					
THER-060-050	-10 +60 °C	± 1 °C	6	250	50
THER-110-050	-10 +110 °C	± 1 °C	6	300	50
THER-150-050	-10 +150 °C	± 1 °C	6	300	50
THER-200-050	-10 +200 °C	± 1 °C	6	305	50



### Thermometer with cover

Thermometers filled with colored liquid (without mercury) and protected inside a cover to avoid any breakage in freezers or oven

sales unit reference	range	accuracy	l (mm)	type	pcs per sales unit
THES-120-001	0 +120 °C	± 1 °C	300	stainless steel shielded (A)	1
THES-200-001	+80 +200 °C	± 1 °C	300	stainless steel shielded (A)	1
THES-040-001	-40 +40 °C	± 1 °C	170	shielded (B)	1
THES-041-001	-40 +40 °C	± 1 °C	170	plastic shielded (C)	1



### Digital thermometer with probe sensor

Fixed probe made of stainless steel, 120 mm long. Range: -50 +150 °C, resolution 0.1 °C. Accuracy ±1 °C from -20 up to +120 °C; in the remaining temperature range is ±2 °C. Hold function included (temperature hold in display). Power supply: 1 battery cell G13. Includes a protection cover

sales unit reference	range	accuracy	type	pcs per sales unit
THER-D01-001	-50 +150 °C	± 1 °C / ± 2 °C	straight	1
THER-D15-001	-50 +150 °C	± 1 °C / ± 2 °C	T shape	1



### Digital indoor thermometer

Temperature range: -10 up to +60 °C, resolution 0.1 °C. With wall and table holder. Power supply: 1 battery cell LR44. Dimensions: 53 x 39 x 15 mm, weight 50 g

sales unit reference	range	pcs per sales unit
THER-D13-001	-10 +60 °C	1



### Digital indoor/outdoor thermometer

Double LCD display for indoor and outdoor temperature. Sensor probe cable for outdoor long 2 m. Indoor temperature range: -10 up to +60 °C, resolution 0.1 °C. Outdoor temperature range: -50 up to +70 °C, resolution 0.1 °C. Memory with maximum and minimum temperature. With wall and table holder. Power supply: 1 battery cell AAA 1.5 V. Dimensions: 61 x 84 x 19 mm, weight 71 g

sales unit reference	range	accuracy	pcs per sales unit
THER-D03-001	-50 +70 °C	± 1 °C / ± 2 °C	1





**Digital indoor/outdoor thermometer with remote probe**

Wall thermometer sending the temperature data through radio from a maximum of 3 remote probe. Indoor temperature range: -5 up to +50 °C, resolution 0.1 °C. Outdoor temperature range: -20 up to +60 °C, resolution 0.1 °C. Accuracy: from +5 up to +40 °C at ±1 °C. Remaining temperatures ±2 °C. Functions: maximum and minimum temperature. The basic unit includes a remote probe and allows 2 additional remote probe (not included). Supply Power: 2 batteries 1.5 V type AA. Dimensions: 123 x 110 x 27 mm, weight 200 g

sales unit reference	range	accuracy	pcs per sales unit
THER-D04-001	-50 +70 °C	± 1 °C / ± 2 °C	1
Accessories and spare parts			
THER-D05-001	additional remote sensor		1



**Infrared laser digital thermometer, -33 °C up to +250 °C**

Range: -33°C up to +250 °C, resolution 0.1 °C. Accuracy: 2 °C or ±2%. Answer time 1 s and adjustable emissivity from 0.05 up to 1.00. Optical resolution: 6:1. Service temperature: 0 °C up to +50 °C. Dimensions: 104 x 60 x 22 mm, weight 63 g. Power supply: 2 battery cell CR 2032. Warranty 1 year

sales unit reference	range	accuracy	pcs per sales unit
THER-L02-001	-33 +250 °C	± 2 °C	1



**Infrared laser digital thermometer, -33 °C up to +500 °C**

Range: -33 °C up to +500 °C. Accuracy: 1 °C or ±1% from +15 °C and +35 °C, for the remaining temperatures 2 °C or ±2%. Laser pointer type II, answer time 1 second. Optical resolution: 12:1. Illuminated screen. Operating environment: 0 +50 °C. Dimensions: 175 x 80 x 39 mm, weight 180 g. Power supply: 2 battery cell 1,5 V AAA. Bag included. Warranty 1 year

sales unit reference	range	accuracy	pcs per sales unit
THER-L03-001	-33 +500 °C	± 1 °C / ± 2 °C	1



**“Thermo data logger USB**

Thermo data logger with USB output storing up to 8000 readings. Range: -40 °C up to +80 °C, resolution 0.1 °C and accuracy ±0.3 °C. Minimum and maximum values and alarm reading levels. Activation through the software or through a magnetic key. Free of charge software for data edition (available on manufacturer website)

sales unit reference	range	type	pcs per sales unit
LOGT-8K1-001	-40 +80 °C	USB, 8 000 lectures	1

**“Thermo data logger with internal sensor**



Thermo data logger that can store up to 16.240 readings. Range: -40 °C up to +70 °C, resolution 0.1 °C and accuracy ±0.3°C from -10 °C to +70°C, for the remaining temperatures ±0.5°C. Large LCD displays the minimum, maximum, average and time out of specifications. Data can be downloaded to PC with mini USB cable and activation through push button. No interface or proprietary software required, only a PDF reader. IP65. Power supply: 3V Lithium battery. Warranty 1 year

sales unit reference	range	type	pcs per sales unit
LOGT-16K-001	-40 +70 °C	16.240 readings	1



**“Portable thermometer**

Range: -200 °C up to +850 °C, resolution 0.1 °C from 200 °C up to +199.9 °C (1 °C for the remaining temperatures). Probe included (Warning: probe measurements limits may be different than the thermometer). Functions: maximum, minimum, hold and automatic switch off. Dimensions: 140 x 70 x 35 mm, weight 200 g. Includes a rubber cover and transportation case. Warranty 3 years. Delivery 1 week



sales unit reference	description	pcs per sales unit
THER-D12-001	thermometer with immersion probe Ø3 x 200 mm, -50° C up to +300 °C	1
THER-D16-001	thermometer with penetration probe Ø4 x 150 mm, -50 °C up to +400 °C	1

**Digital thermohygrometer with remote sensor**

Wall thermohygrometer sending the data through radio from a remote probe. Temperature measuring range: Indoor: -9.9°C to +59.9°C with 0.1°C resolution; Outdoor: -39.9°C to +59.9°C with 0.1°C resolution. Humidity measuring range: Indoor: 20% to 95% with 1% resolution; Outdoor: 1% to 99% with 1% resolution. Transmission range : up to 100 meters (open space). Functions: maximum, minimum and comfort area. The basic unit includes a remote probe. Supply Power: 2 batteries 1.5 V type AAA (not included). Dimensions: 158 x 95 x 20 mm, weight 120 g



sales unit reference	description	pcs per sales unit
HIGR-D11-001	20 - 95% HR / -9,9 +59,9 °C	1
Accessories and spare parts		
HIGR-D12-001	additional remote sensor	1

**Litmus paper**

Basic indicator paper when a precise pH value is not needed. Blue litmus paper turns to red when a solution goes from basic to acidic while red litmus paper turns to blue when a solution goes from acidic to basic. Each plastic box contains 10 booklets with 20 paper strips each



sales unit reference	description	pcs per sales unit
LSPH-001-001	litmus blue indicator paper in strips	1
LSPH-002-001	litmus red indicator paper in strips	1

**Universal pH test papers, roll**

Universal pH test paper in rolls 5 m long and 7 mm wide. Each roll is stored in a plastic dispenser with a printed color scale with pH intervals of 1

sales unit reference	description	pcs per sales unit
URPH-001-001	pH 1 - 11 paper roll	1
URPH-002-001	pH 1 - 14 paper roll	1
10 units "Saving package"		
URPH-001-010	pH 1 - 11 paper roll	10
URPH-002-010	pH 1 - 14 paper roll	10
50 units "Saving package"		
URPH-001-050	pH 1 - 11 paper roll	50
URPH-002-050	pH 1 - 14 paper roll	50



**pH indicator strips with 3 pads**

Strips made of vinyl with 3 indicator pads prepared with a non-bleed system, therefore the resultant colour change will remain far longer and readable until the pads are dry, even with a highly alkaline solution. These strips provide an accurate method of measuring the pH of a solution and produce high quality results each time. 50 strips per pack



sales unit reference	description	pcs per sales unit
STPH-301-001	pH 0.0 - pH 14.0, Interval: 1 pH	1
STPH-302-001	pH 4.0 - pH 10.0, Interval: 0.5 pH	1
STPH-303-001	pH 7.5 - pH 14, Interval: 0.5 pH	1
10 units "Saving package"		
STPH-301-010	pH 0.0 - pH 14.0, Interval: 1 pH	10
STPH-302-010	pH 4.0 - pH 10.0, Interval: 0.5 pH	10
STPH-303-010	pH 7.5 - pH 14, Interval: 0.5 pH	10

**Universal pH test papers, strips**

Each plastic box contains 200 paper strips and a printed color scale for comparison



sales unit reference	type	pcs per sales unit
CSPH-001-001	pH 1 - 11, Interval: 1 pH	1
CSPH-002-001	pH 1 - 14, Interval: 1 pH	1
CSPH-003-001	pH 1.0 - pH 3.5, Interval: 0.5 pH	1
CSPH-004-001	pH 3.6 - pH 5.1, Interval: 0.3 pH	1
CSPH-005-001	pH 5.2 - pH 6.7, Interval: 0.3 pH	1
CSPH-006-001	pH 6.8 - pH 8.3, Interval: 0.3 pH	1
CSPH-007-001	pH 8.4 - pH 10.0, Interval: 0.3 pH	1
CSPH-008-001	pH 4.0 - pH 8.0, Interval: 0.5 pH	1

**Wine pH indicator strips**

These indicator strips are specific for testing the pH of the juice prior to fermentation during wine production. 50 strips per pack



sales unit reference	range	interval	pcs per sales unit
WSPH-001-001	pH 2.8 - 4.4	pH 2.8 - 3.2 - 3.6 - 4.0 - 4.4	1

**Semi-quantitative indicator strips**

Semi-quantitative indicator strips for: chlorine, water hardness, nitrite, nitrate, peroxide and fluoride. These tests allows a quick and easy method to determine these free/available ions in solution. 50 strips per pack



sales unit reference	range	interval	pcs per sales unit
<b>Chlorine</b>			
CHIS-001-001	0-5 mg/L (ppm)	0 - 0.5 - 1.0 - 3.0 - 5.0 mg/L (ppm)	1
CHIS-002-001	0-10 mg/L (ppm)	0 - 1.0 - 3.0 - 5.0 - 10.0 mg/L (ppm)	1
CHIS-003-001	0-300 mg/L (ppm)	0 - 25 - 50 - 100 - 200 - 300 mg/L (ppm)	1
CHIS-004-001	0-1000 mg/L (ppm)	0 - 50 - 100 - 250 - 500 - 1000 mg/L (ppm)	1
<b>Water hardness</b>			
WHIS-001-001	0-500 mg/L (ppm)	0 - 5 - 125 - 250 - 500 mg/L (ppm)	1
<b>Nitrite</b>			
NIIS-001-001	0-25 mg/L (ppm)	0 - 0.5 - 1 - 5 - 10 - 25 mg/L (ppm)	1
<b>Nitrate</b>			
NAIS-001-001	0-500 mg/L (ppm)	0 - 10 - 25 - 50 - 100 - 250 - 500 mg/L (ppm)	1
<b>Peroxide</b>			
POIS-001-001	0-100 mg/L (ppm)	0 - 1 - 3 - 10 - 30 - 100 mg/L (ppm)	1
POIS-002-001	0-400 mg/L (ppm)	0 - 100 - 200 - 400 mg/L (ppm)	1
<b>Fluoride</b>			
FLIS-001-001	0-100 mg/L (ppm)	0 - 10 - 25 - 50 - 100 mg/L (ppm)	1

**Pocket pH meter**

Simply and compact pH meter. pH range: 0 .. 14 pH, precision:  $\pm 0.1$ . Automatic temperature compensation (0-50 °C). Single point manual calibration. Fix electrode. 4 battery cells 1.5V LR44 (included). Dimensions: 152 x 29 x 15 mm. Weight: 50 g



sales unit reference	description	pcs per sales unit
PHMT-600-001	pH meter, pH600	1

**Pocket pH meter, water-tight**

pH meter compact with interchangeable electrode and automatic temperature compensation. pH range: 0 .. 14 pH, precision:  $\pm 0.05$ . Temperature range: 0 - 60 °C, accuracy  $\pm 1$  °C. Calibration in 2 points (pH 4.01, 7.00 and 10.01). Water-tight. Warranty 1 year



sales unit reference	description	pcs per sales unit
PHMT-030-001	pH meter, pHscan 30	1
Accessories and spare parts		
PHMT-A30-001	spare electrode	1

**“Portable pH meter, pH7 model**

pH meter portable with automatic and manual temperature compensation. pH range: 0 .. 14 pH and  $\pm 1000$  mV (redox). Standard BNC connector for pH and redox electrodes. Automatic calibration in 3 points (pH 4.01, 7.00 and 10.01). Includes transportation case, rubber case, buffer solutions, electrode for general use with BNC fixed cable and CAT probe. Warranty 1 year



sales unit reference	type	pcs per sales unit
PHMT-007-001	pHmeter, pH7 , with electrode	1

**“Desktop pH meter, pH50 model**

Desktop pH meter with automatic and manual temperature compensation (between 0 and 100 °C). pH range: 0 ... 14 pH, accuracy  $\pm 0.01$  pH. Redox range:  $\pm 2000$  mV, accuracy  $\pm 1$  mV. Standard BNC connector for pH and redox electrodes. Automatic calibration in 3 points (pH 4.01, 7.00 and 10.01). Backlit LCD display. The pH meter can save up to 25 measurements. Keypad resistant to water, bases and acids splashes. Includes buffer solutions, electrode for general use with BNC fixed cable and integrated CAT probe. Plastic body electrode, with gel electrolyte, pH range 0 ... 14 and 0 - 80 °C. Warranty 1 year



sales unit reference	description	pcs per sales unit
PHMT-050-001	pHmeter, pH50 , with electrode	1

**Epoxy body pH electrode for educational use, Basic Line**

Specially designed for educational market, combining quality at an affordable price. Minimum maintenance, less frequent calibrations and greater stability. Plastic body (epoxy). Reference element Ag/AgCl, gel non refillable electrolyte and fiber diaphragm. pH range 0 ... 14, maximum service temperature 60 °C. Dimensions: 120 x 12 mm. Fixed cable 1 m long with BNC connector



sales unit reference	conector	pcs per sales unit
PHEL-EDU-001	1 m cable + BNC	1

**Epoxy body pH electrode, general use**

Plastic body (epoxy), specially designed for general use in portable pH meters. Reference element Ag/AgCl, gel non refillable electrolyte and porous teflon diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)



sales unit reference	conector	pcs per sales unit
PHEL-PB1-001	1 m cable + BNC	1
PHEL-PS1-001	S7	1



**NEW**

**Glass body pH electrode, general use**

For general use. Aqueous solutions. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and annular ceramic diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

sales unit reference	conector	pcs per sales unit
PHEL-GB1-001	1 m cable + BNC	1
PHEL-GS1-001	S7	1



**NEW**

**Epoxy body pH electrode, intensive use**

Plastic body (epoxy), specially designed for general use in portable pH meters and also for industrial uses. Reference element Ag/AgCl, gel non refillable electrolyte and double porous teflon diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

sales unit reference	conector	pcs per sales unit
PHEL-PB2-001	1 m cable + BNC	1
PHEL-PS2-001	S7	1



**NEW**

**Glass body pH electrode, intensive use**

For general use and high accuracy measurements in liquids and non aqueous samples. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and double ceramic diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

sales unit reference	conector	pcs per sales unit
PHEL-GB2-001	1 m cable + BNC	1
PHEL-GS2-001	S7	1



**NEW**

**Glass body pH electrode, semi micro applications**

Glass body electrode, specially designed for measuring pH in very small sample volumes or narrow vessels. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and frit ceramic diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Stem dimensions: 90 x 4,5 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

sales unit reference	conector	pcs per sales unit
PHEL-GB3-001	1 m cable + BNC	1
PHEL-GS3-001	S7	1



**NEW**

**Epoxy body pH electrode, difficult samples**

Specially designed for measuring difficult samples: dairy products, viscose samples, creams, surface measurements (paper, Agar, skin, ...). Reference element Ag/AgCl, partial gel refillable electrolyte (3.5M KCl/AgCl) and teflon diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

sales unit reference	conector	pcs per sales unit
PHEL-PB4-001	1 m cable + BNC	1
PHEL-PS4-001	S7	1

### Penetration pH electrode for solids and semi-solids

Penetration food probe specially designed for measuring pH of: meat, cheese and semi solids. Robust Teflon Bodied. Reference element Ag/AgCl, gel non refillable electrolyte and teflon diaphragm. pH range 0 ... 14, maximum service temperature 60 °C. Dimensions: 75 x 8 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

sales unit reference	conector	pcs per sales unit
PHL-PB5-001	1 m cable + BNC	1
PHL-PS5-001	S7	1




### Glass body pH electrode for high temperature measurements

Specially designed for high temperature measurements and for industrial pipeline. Reference element Ag/AgCl, gel non refillable electrolyte and double teflon diaphragm. pH range 0 ... 14, maximum service temperature 130 °C. Dimensions: 120 x 12 mm. Fixed cable 1 m long with BNC connector

sales unit reference	conector	pcs per sales unit
PHL-GB6-001	1 m cable + BNC	1




### Cable for electrodes with S7 head

BNC conector cable for electrodes with S7 head

sales unit reference	length	pcs per sales unit
PHAC-001-001	1 m	1



### labkem pH Buffer solution

Colored solutions to prevent mistakes. Certificate of analysis to be downloaded free of charge at [www.labbox.com](http://www.labbox.com). Certificates traceable to SRM from NIST. Variation table of pH/temperature on the label

sales unit reference	type	package	pcs per sales unit
PHBS-004-250	pH 4,01 ± 0,02 (25 °C) - red	250 ml	1
PHBS-007-250	pH 7,00 ± 0,02 (25 °C) - yellow	250 ml	1
PHBS-010-250	pH 10,00 ± 0,02 (25 °C) - blue	250 ml	1



### labkem pH buffer solution with measuring chamber

Bottle with a separate measuring chamber, "twin-neck". No other containers are required during the calibration process and subsequent cleaning thereof, preserving the purity of the buffer solution. Colored solutions to prevent mistakes. Certificates traceable to SRM from NIST. Variation table of pH/temperature on the label

sales unit reference	type	package	pcs per sales unit
PHBW-004-500	pH 4,00 ± 0,01 (20 °C) - red	500 ml	1
PHBW-004-1K0	pH 4,00 ± 0,01 (20 °C) - red	1000 ml	1
PHBW-007-500	pH 7,00 ± 0,01 (20 °C) - yellow	500 ml	1
PHBW-007-1K0	pH 7,00 ± 0,01 (20 °C) - yellow	1000 ml	1
PHBW-010-500	pH 10,00 ± 0,01 (20 °C) - blue	500 ml	1
PHBW-010-1K0	pH 10,00 ± 0,01 (20 °C) - blue	1000 ml	1



### Conservation electrode solutions labkem

Electrolyte solutions for the conservation of the electrode and enzymatic cleaning solution for the membrane electrode

sales unit reference	package	description	pcs per sales unit
POCL-30A-250	250 ml	Potassium chloride 3M	1
POCL-A0A-250	250 ml	Potassium chloride 3M + AgCl	1
SCME-00A-250	250 ml	Electrode cleaning solution (Pepsin)	1






**Pocket conductivity meter, basic series**

Range: 0 to 1990  $\mu\text{S}/\text{cm}$ , res.: 10  $\mu\text{S}/\text{cm}$  and accuracy  $\pm 2\%$  full scale. Single point manual calibration. Automatic temperature compensation from +5 up to +50 °C. Built in a one-piece casing. Battery type: 4 x 1.5V LR44 (included). Dimensions: 150 x 30 x 24 mm, weight 85 g

sales unit reference	range	pcs per sales unit
COMT-601-001	0 - 1990 $\mu\text{S}/\text{cm}$	1



**Pocket conductivity meter, water-tight**

Compact Conductivity meter with interchangeable cell and automatic temperature compensation (0 - 50 °C). Conductivity range according to model: 1,0 - 199.9  $\mu\text{S}/\text{cm}$ , 10 - 1999  $\mu\text{S}/\text{cm}$  or 0,1 - 19.99  $\text{mS}/\text{cm}$ , accuracy  $\pm 1\%$  F.S. (full scale). Single point calibration. Auto-power off feature helps you effectively conserve battery life. Water-tight. Warranty 1 year

sales unit reference	resolution	calibration solutions	range	pcs per sales unit
COMT-020-001	0,1 $\mu\text{S}$	146 $\mu\text{S}$	1.0 - 199.9 $\mu\text{S}/\text{cm}$	1
COMT-030-001	1 $\mu\text{S}$	1413 $\mu\text{S}$	10 - 1999.9 $\mu\text{S}/\text{cm}$	1
COMT-040-001	0,01 $\text{mS}$	12,88 $\text{mS}$	0.1 - 19.9 $\text{mS}/\text{cm}$	1

**“Portable conductivity meter, CON7 series**

Portable conductivity meter with automatic and manual temperature compensation. Range: 0 - 19.99  $\mu\text{S}/\text{cm}$ , 0 - 199.9  $\mu\text{S}/\text{cm}$ , 200 - 1999  $\mu\text{S}/\text{cm}$ , 2,00 - 199.9  $\text{mS}/\text{cm}$ . Automatic calibration in 4 points (84, 1413  $\mu\text{S}/\text{cm}$ , 12.88 y 111  $\text{mS}/\text{cm}$ ) and manual calibration in 5 points. Includes transportation case, rubber case, buffer solutions and conductivity cell for general use (K=1) with automatic temperature compensation. Warranty 3 years. Delivery 1 week

sales unit reference	description	pcs per sales unit
COMT-007-001	conductivity meter, CON7, with probe	1

**Desktop conductivity meter, CON51 series**

Desktop conductivity meter with manual or automatic temperature compensation (between 0 and 99 °C). Available ranges (range is automatically chosen): 0,0 - 200,0  $\mu\text{S}/\text{cm}$ , 200,0 - 2000  $\mu\text{S}/\text{cm}$ , 2,00 - 20,00  $\text{mS}/\text{cm}$ , 20,0 - 200,0  $\text{mS}/\text{cm}$ , accuracy  $\pm 1\%$  full scale. Automatic and manual calibration with automatic recognition of 4 conductivity solutions: 84, 1413  $\text{mS}/\text{cm}$  and 12.88, 111.8  $\text{mS}/\text{cm}$ . Includes conductivity cell with integrated temperature sensor (K=0,1 - 1,0 - 10,0 selectable). Keypad resistant to water, bases and acids splashes. Backlit LCD. The conductivity meter can save up to 25 measurements. Warranty 1 year

sales unit reference	description	pcs per sales unit
COMT-051-001	conductivity meter, CON51, with probe	1

**labkern conductivity solution**

In practical bottle with integrated cup. Eliminates the need to transfer to other containers and allows economical dosing in each calibration. Tolerance  $\pm 1\%$  of the declared value. Certificates traceable to SRM from NIST. With variation table of conductivity / temperature on the label

sales unit reference	type	package	pcs per sales unit
COSS-1K4-500	1413 $\mu\text{S}$ (25 °C) / 1278 $\mu\text{S}$ (20 °C)	500 ml	1
COSS-012-500	12,88 $\text{mS}$ (25 °C) / 11,67 $\text{mS}$ (20 °C)	500 ml	1
COSS-111-500	111,8 $\text{mS}$ (25 °C) / 102,1 $\text{mS}$ (20 °C)	500 ml	1

**“Portable dissolved oxygen meter**

Portable dissolved oxygen meter. Range: 0.0 to 200.0 % and 0,0 - 20.00  $\text{mg}/\text{l}$ . Salinity compensation from 0.0 to 50.0 ppt (0 - 50000 ppm). Altitude compensation from 500 to 1499 mm Hg (66.6 to 199.9 kPa). Supplied with transportation case, rubber case and a dissolved oxygen probe with 1 meter cable. Warranty 3 years. Delivery 1 week

sales unit reference	description	pcs per sales unit
OXMT-006-001	oxymeter, DO6+ with probe	1



NEW



**“Multiparameter tester, PCS 35 series**

A single compact device to measure pH, conductivity and temperature. With interchangeable probe and automatic temperature compensation. pH range: 0.00 ... 14.00 pH, accuracy  $\pm 0.1$  pH. Conductivity range: 0 - 1999  $\mu\text{S}/\text{cm}$ , 2.00 - 20.00  $\text{mS}/\text{cm}$ , accuracy (according to range)  $\pm 0.1$   $\mu\text{S}/\text{cm}$ ,  $\pm 0.01$   $\text{mS}/\text{cm}$ . Temperature range: 0 - 50 °C, accuracy  $\pm 1$  °C. Water-tight. Warranty 2 years. Delivery 1 week

sales unit reference	description	pcs per sales unit
MPMT-035-001	multiparameter tester, PCS 35	1
Accessories and spare parts		
MPMT-A35-001	spare electrode	1

**“Multiparameter tester, PCS 35+ series**

A single compact device to measure pH, conductivity, TDS, salinity and temperature. With interchangeable probe and automatic temperature compensation. pH range: 0.00 ... 14.00 pH, accuracy  $\pm 0.1$  pH. Conductivity range: 0.0 - 199.9  $\mu\text{S}/\text{cm}$ , 200 - 1999  $\mu\text{S}/\text{cm}$ , 2.00 - 20.00  $\text{mS}/\text{cm}$ , accuracy (according to range)  $\pm 0.1$   $\mu\text{S}/\text{cm}$ ,  $\pm 0.01$   $\text{mS}/\text{cm}$ . TDS range: 0.0 - 99.9 ppm, 100 - 999 ppm, 1 - 10 ppt, accuracy (according to range) 0.1 ppm, 1 ppm, 0.01 ppt. Salinity range: 0.0 - 99.9 ppm, 100 - 999 ppm, 1 - 10 ppt, accuracy (according to range) 0.1 ppm, 1 ppm, 0.01 ppt. Temperature range: 0 - 50 °C, accuracy  $\pm 1$  °C. Water-tight. Warranty 2 years. Delivery 1 week

sales unit reference	description	pcs per sales unit
MPMT-P35-001	multiparameter tester, PCS 35+	1

**Hand tally counter**

4 digits counter up to 9999

sales unit reference	type	pcs per sales unit
HCNT-001-001	counter up to 9999	1

**Mechanical timer 60 minutes**

Countdown mechanical timer with alarm

sales unit reference	description	pcs per sales unit
TIME-M01-001	mechanical timer 60'	1

**Countdown timer and clock 24 hours**

Clock function, timer countdown up to 23 h 59' 59" with alarm and chronometer. Three hold positions: with a magnet in metallic surfaces, with a clothing pin and with a kickstand to remain standing. Battery cell included

sales unit reference	description	pcs per sales unit
TIME-W24-001	24 h clock watch digital timer	1
10 units "Saving package"		
TIME-W24-010	24 h clock watch digital timer	10

**Countdown timer 100 minutes**

Timer countdown up to 99' 59" with alarm. Three hold positions: with a magnet in metallic surfaces, with a clothing pin and with a kickstand to remain standing. Battery cell included

sales unit reference	description	pcs per sales unit
TIME-100-001	100 minutes digital timer	1
10 units "Saving package"		
TIME-100-010	100 minutes digital timer	10





### Digital chronometer 30 minutes

Functions: chronometer, watch, alarm and calendar. Total time 30 minutes, 1/100" intervals. Accumulated time (Split). Power supply: 1 battery cell LR44 (included)

sales unit reference	description	pcs per sales unit
TIME-D01-001	digital chronometer 30', 1/100"	1

### Digital chronometer 10 hours

Functions: chronometer, countdown, watch, alarm and calendar. Total time 9 h 59' 59.99", 1/100" intervals. Partial time (Lap) and accumulated time (Split). Memoring accumulation for 30 intervals. Auto-switch off for a longer battery cell life. Power supply: 1 battery cell CR2032 (included)

sales unit reference	description	pcs per sales unit
TIME-D02-001	digital chronometer 10 h, 1/100"	1

### Standard (macro) spectrophotometer cuvette with lid

Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

sales unit reference	composition	light path	internal width	vol. (ml)	pcs per sales unit
Made of quartz					
MALQ-001-002	LB Q	1 mm	10	0,35	2
MALQ-002-002	LB Q	2 mm	10	0,7	2
MALQ-005-002	LB Q	5 mm	10	1,7	2
MALQ-010-002	LB Q	10 mm	10	3,5	2
MALQ-020-002	LB Q	20 mm	10	7	2
MALQ-040-002	LB Q	40 mm	10	14	2
MALQ-050-002	LB Q	50 mm	10	17,5	2
Made of optical glass					
MALG-001-002	LB OG	1 mm	10	0,35	2
MALG-002-002	LB OG	2 mm	10	0,7	2
MALG-005-002	LB OG	5 mm	10	1,7	2
MALG-010-002	LB OG	10 mm	10	3,5	2
MALG-020-002	LB OG	20 mm	10	7	2
MALG-040-002	LB OG	40 mm	10	14	2
MALG-050-002	LB OG	50 mm	10	17,5	2

### Semi-micro spectrophotometer cuvette with lid

Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

sales unit reference	composition	light path	internal width	vol. (ml)	pcs per sales unit
SMLQ-010-002	LB Q	10 mm	4	1,4	2
SMLG-010-002	LB OG	10 mm	4	1,4	2

### Micro spectrophotometer cuvette with lid

Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

sales unit reference	composition	light path	internal width	vol. (ml)	pcs per sales unit
MILQ-010-002	LB Q	10 mm	2	0,7	2
MILG-010-002	LB OG	10 mm	2	0,7	2



**Standard (macro) spectrophotometer cuvette with PTFE stopper**

For volatile samples. Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

sales unit reference	composition	light path	internal width	vol. (ml)	pcs per sales unit
MASQ-010-002	LB Q	10 mm	10	3,5	2
MASG-010-002	LB OG	10 mm	10	3,5	2

**Cuvette holder**

For 12 cuvettes (path length 10 mm)

sales unit reference	h (mm)	l (mm)	w (mm)	pcs per sales unit
CUVP-012-001	15	170	50	1

**Semi-micro spectrophotometer cuvette with PTFE stopper**

For volatile samples. Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

sales unit reference	composition	light path	internal width	vol. (ml)	pcs per sales unit
SMSQ-010-002	LB Q	10 mm	4	1,4	2
SMSG-010-002	LB OG	10 mm	4	1,4	2

**Micro spectrophotometer cuvette with PTFE stopper**

For volatile samples. Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

sales unit reference	composition	light path	internal width	vol. (ml)	pcs per sales unit
MISQ-010-002	LB Q	10 mm	2	0,7	2
MISG-010-002	LB OG	10 mm	2	0,7	2

**Disposable spectrophotometer cuvette**

Available in optical polystyrene (PS) for use within 340 - 800 nm and in PMMA for use within 280 - 800 nm

sales unit reference	composition	light path	internal width	vol. (ml)	pcs per sales unit
Standard (macro) type (A)					
MAPS-010-100	PS	10 mm	10	4,5	100
MAPM-010-100	PMMA	10 mm	10	4,5	100
Semi-micro type (B)					
SMPS-010-100	PS	10 mm	10	2,5	100
SMPM-010-100	PMMA	10 mm	10	2,5	100

**Standard (macro) fluorometer cuvette with lid**

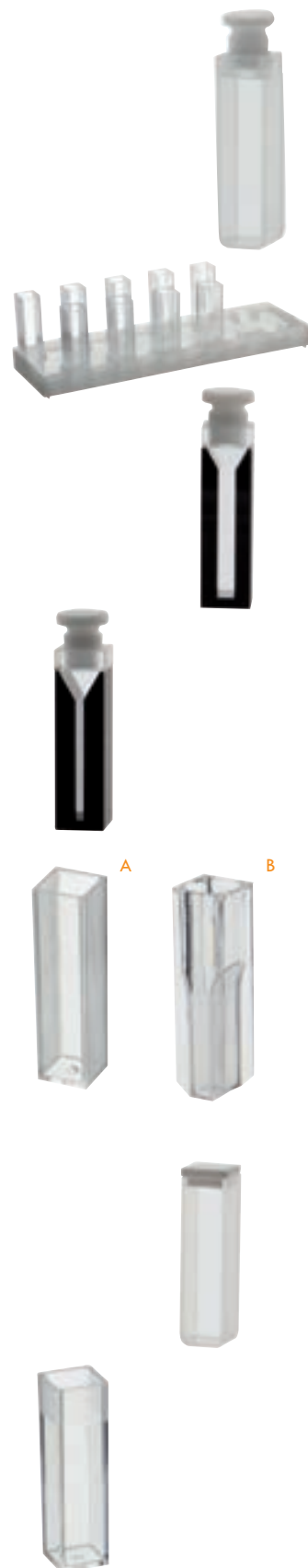
Cuvette with 4 polished faces available in quartz (LB Q) or optical glass (LB OG)

sales unit reference	composition	light path	internal width	vol. (ml)	pcs per sales unit
MALQ-F10-002	LB Q	10 mm	10	3,5	2
MALG-F10-002	LB OG	10 mm	10	3,5	2

**Standard (macro) disposable fluorometer cuvette**

Cuvette with 4 polished faces available in optical polystyrene (PS) for use within 340 - 800 nm and in PMMA for use within 280 - 800 nm

sales unit reference	composition	light path	internal width	vol. (ml)	pcs per sales unit
MAPS-F10-100	PS	10 mm	10	4,5	100
MAPM-F10-100	PMMA	10 mm	10	4,5	100



### Visitor safety glass

Made of polycarbonate with anti-scratches treatment and aeration slots in arms. According to EN 166 1.F CE standards

sales unit reference	description	pcs per sales unit
SPEC-001-001	visitor safety glass	1
12 units "Saving package"		
SPEC-001-012	visitor safety glass	12

### Safety glass

Made of polycarbonate with anti-scratch treatment. Modern design and ultra light. Model A: According to EN 166 1.F CE standards. Model B: According to EN 166, EN 170 and EN 172 CE standards

sales unit reference	description	pcs per sales unit
SPEC-002-001	safety glass (A)	1
SPEC-UV2-001	safety glass, grey sunscreen with UV filter (B)	1
12 units "Saving package"		
SPEC-002-012	safety glass (A)	12

### Safety goggle

Frame made of comfortable and soft PVC, glass made of polycarbonate. High protection against impacts, particles, splashes, etc. Fixing self-adjustic elastic band. According to EN 166 CE standards

sales unit reference	description	pcs per sales unit
SPEC-003-001	safety goggle	1
12 units "Saving package"		
SPEC-003-012	safety goggle	12

### Face protector

Face protector made of polycarbonate with head self-adjusting elastic band. Internal foam strip. Very convinient front and side protection (protector covering 180°). High protection against impacts, particles, splashes, etc. According to EN 166 CE standards

sales unit reference	description	pcs per sales unit
FACE-001-001	face protector	1

### Disposable respirator, FFP1 level

Protection against solid particles and low toxicity liquids in low concentration (according to FFP1 level protection defined by EN149-2001 standards); up to 4 x TLV. Spherical shape with adjustable nose clip

sales unit reference	type	pcs per sales unit
MASK-001-020	FFP1 spherical shape	20

### Disposable respirator, FFP2 level

Protection against solid particles and low or medium toxicity liquids (according to FFP2 level protection defined by EN149-2001 standards); up to 12 x TLV. Available in spherical shape with valve and folded shape without valve

sales unit reference	type	pcs per sales unit
MASK-002-010	FFP2 spherical shape with valve	10
MASK-P02-020	FFP2 folded without valve	20
MASK-PV2-020	FFP2 folded with valve	20

### Disposable respirator, with valve, FFP3 level

Protection against solid particles and high toxicity liquids (according to FFP3 level protection defined by EN149-2001 standards); up to 50 x TLV. Folded, with exhalation valve and adjustable nose clip

sales unit reference	type	pcs per sales unit
MASK-003-020	FFP3 folded with valve	20

### Disposable cap

Disposable cap made of white polypropylene, circular shape

sales unit reference	type	pcs per sales unit
CAPP-001-100	white color	100

### Disposable tie-on mask

Tie-on mask, made of 1 single layer of paper with self-adjusting elastic band

sales unit reference	type	pcs per sales unit
MASK-000-100	white color	100

### Disposable visitor coat

Made of polypropylene with pocket on the chest and pressure buttons closure

sales unit reference	type	pcs per sales unit
COAP-001-010	one size, white color	10

### Disposable shoe cover

Made of green polyethylene

sales unit reference	type	pcs per sales unit
SHOP-001-100	green color	100

### Lab-coat for women

With collar flap, closure by 5 pressure buttons and two pockets in the lower side , one on the chest and pressure buttons cuff. White color

sales unit reference	size	waist girth	chest girth	pcs per sales unit
In 65% polyester/35% cotton, pressure buttons				
GOSW-00S-001	S	82 - 88 cm	96 - 102 cm	1
GOSW-00M-001	M	90 - 96 cm	104 - 110 cm	1
GOSW-00L-001	L	98 - 104 cm	112 - 118 cm	1
GOSW-0XL-001	XL	106 - 112 cm	120 - 126 cm	1
GOSW-0XL-001	XXL	114 - 120 cm	128 - 134 cm	1
In 65% polyester/35% cotton, pressure buttons, "saving package"				
GOSW-00S-010	S	82 - 88 cm	96 - 102 cm	10
GOSW-00M-010	M	90 - 96 cm	104 - 110 cm	10
GOSW-00L-010	L	98 - 104 cm	112 - 118 cm	10
GOSW-0XL-010	XL	106 - 112 cm	120 - 126 cm	10
GOSW-0XL-010	XXL	114 - 120 cm	128 - 134 cm	10
In 100% cotton, pressure buttons				
GOCW-00S-001	S	82 - 88 cm	96 - 102 cm	1
GOCW-00M-001	M	90 - 96 cm	104 - 110 cm	1
GOCW-00L-001	L	98 - 104 cm	112 - 118 cm	1
GOCW-0XL-001	XL	106 - 112 cm	120 - 126 cm	1
GOCW-0XL-001	XXL	114 - 120 cm	128 - 134 cm	1
In 100% cotton, pressure buttons, "saving package"				
GOCW-00S-010	S	82 - 88 cm	96 - 102 cm	10
GOCW-00M-010	M	90 - 96 cm	104 - 110 cm	10
GOCW-00L-010	L	98 - 104 cm	112 - 118 cm	10
GOCW-0XL-010	XL	106 - 112 cm	120 - 126 cm	10
GOCW-0XL-010	XXL	114 - 120 cm	128 - 134 cm	10



### Lab-coat for men

With collar flap, closure by 5 buttons and two pockets in the lower side and one on the chest. White color



sales unit reference	size	chest girth	pcs per sales unit
In 65% polyester/35% cotton			
GOSM-00S-001	S	98 - 104 cm	1
GOSM-00M-001	M	106 - 112 cm	1
GOSM-00L-001	L	114 - 120 cm	1
GOSM-0XL-001	XL	122 - 128 cm	1
GOSM-0XXL-001	XXL	130 - 136 cm	1
In 65% polyester/35% cotton, "saving package"			
GOSM-00S-010	S	98 - 104 cm	10
GOSM-00M-010	M	106 - 112 cm	10
GOSM-00L-010	L	114 - 120 cm	10
GOSM-0XL-010	XL	122 - 128 cm	10
GOSM-0XXL-010	XXL	130 - 136 cm	10
In 100% cotton, pressure buttons			
GOCM-00S-001	S	98 - 104 cm	1
GOCM-00M-001	M	106 - 112 cm	1
GOCM-00L-001	L	114 - 120 cm	1
GOCM-0XL-001	XL	122 - 128 cm	1
GOCM-0XXL-001	XXL	130 - 136 cm	1
In 100% cotton, pressure buttons, "saving package"			
GOCM-00S-010	S	98 - 104 cm	10
GOCM-00M-010	M	106 - 112 cm	10
GOCM-00L-010	L	114 - 120 cm	10
GOCM-0XL-010	XL	122 - 128 cm	10
GOCM-0XXL-010	XXL	130 - 136 cm	10

### Nitrile disposable gloves

Powder-free, non sterile. Nitrile is much more chemical resistant than other kind of disposable gloves commonly used in laboratory, such as latex or vinyl. 100% latex protein free: An alternative to common latex gloves to prevent allergies. Ambidextrous. AQL 1,5. According to 89/686/CEE, EN 420, EN 374 1/2/3 and EN 388 standards



sales unit reference	type	pcs per sales unit
Powder-free		
GLON-0XS-100	powder free, XS (5-6) size	100
GLON-00S-100	powder free, S (6-7) size	100
GLON-00M-100	powder free, M (7-8) size	100
GLON-00L-100	powder free, L (8-9) size	100
GLON-0XL-100	powder free, XL (9-10) size	100
10 x 100 Powder-free gloves "Saving package"		
GLON-0XS-1K0	powder free, XS (5-6) size	1000
GLON-00S-1K0	powder free, S (6-7) size	1000
GLON-00M-1K0	powder free, M (7-8) size	1000
GLON-00L-1K0	powder free, L (8-9) size	1000
GLON-0XL-1K0	powder free, XL (9-10) size	1000

### Latex disposable exam gloves

Available in powdered and powder-free, non sterile. 100% Pure natural latex, natural colour. Ambidextrous. AQL 1.5. According to 89/686/CEE, EN 420 and EN 374 1/2 standards

sales unit reference	type	pcs per sales unit
<b>Powdered</b>		
GLOL-PXS-100	powdered, XS (5-6) size	100
GLOL-POS-100	powdered, S (6-7) size	100
GLOL-POM-100	powdered, M (7-8) size	100
GLOL-POL-100	powdered, L (8-9) size	100
GLOL-PXL-100	powdered, XL (9-10) size	100
<b>Powder-free</b>		
GLOL-0XS-100	powder free, XS (5-6) size	100
GLOL-0OS-100	powder free, S (6-7) size	100
GLOL-0OM-100	powder free, M (7-8) size	100
GLOL-0OL-100	powder free, L (8-9) size	100
GLOL-0XL-100	powder free, XL (9-10) size	100
<b>10 x 100 Powdered gloves "Saving package"</b>		
GLOL-PXS-1K0	powdered, XS (5-6) size	1000
GLOL-POS-1K0	powdered, S (6-7) size	1000
GLOL-POM-1K0	powdered, M (7-8) size	1000
GLOL-POL-1K0	powdered, L (8-9) size	1000
GLOL-PXL-1K0	powdered, XL (9-10) size	1000
<b>10 x 100 Powder-free gloves "Saving package"</b>		
GLOL-0XS-1K0	powder free, XS (5-6) size	1000
GLOL-0OS-1K0	powder free, S (6-7) size	1000
GLOL-0OM-1K0	powder free, M (7-8) size	1000
GLOL-0OL-1K0	powder free, L (8-9) size	1000
GLOL-0XL-1K0	powder free, XL (9-10) size	1000



### Autoclave gloves

Made of Nomex III fibers (mixture of thermo-resistant and infusible aromatic polyamides) and with no asbestos fibers. With normal service conditions, physical properties stay unchanged under several hours at 260 °C, withstanding as well 370 °C when its degradation starts. When approached to flame, they do not melt, but instead they get scorched making a crust allowing protection. Can be used as well to handle sporadically items stored under nitrogen vapour phase (-180 °C). Resistant to bases, acids and organic products but not to large exposures to some concentrated inorganics acids. Available in glove (30 cm long) or mitten (52 cm long) shape. According to EN 407 y EN 388 standards

sales unit reference	type	paire par lot
GLOT-S30-001	glove shape, small size, 30 cm long	1
GLOT-M30-001	glove shape, medium size, 30 cm long	1
GLOT-L30-001	glove shape, large size, 30 cm long	1
GLOT-S52-001	mitten shape, small size, 52 cm long	1
GLOT-M52-001	mitten shape, medium size, 52 cm long	1
GLOT-L52-001	mitten shape, large size, 52 cm long	1





### Anti-acid PVC gloves

Gloves made of red PVC with smooth finishing. Very good resistance to abrasion, concentrated acids, hydrocarbons, oils and grease. According to EN 388 standards

sales unit reference	type	paire par lot
GLOP-035-001	one size, length 35 cm	1



### PVC cold protection gloves

Gloves made of red PVC with thermal insulation. Very good chemical resistance and cold protection working up to -20 °C. According to EN 388 and EN 511 standards

sales unit reference	type	paire par lot
GLOP-F30-001	one size, length 30 cm	1



### Cryogenic gloves

Used to handle items stored under liquid nitrogen or other very cold temperatures (from -120 °C up to -190 °C). Designed in order to leave plenty of space to fingers. Water-resistant. Available in 3 lengths: up to half forearm (37 cm long), up to elbow (50 cm long) and up to shoulder (60 cm long). According to EN 407 and EN 388 standards

sales unit reference	type	paire par lot
GLOF-S37-001	up to mid-arm, small size	1
GLOF-M37-001	up to mid-arm, medium size	1
GLOF-L37-001	up to mid-arm, large size	1



### Silicone rubber hand protector

Withstands -50 °C up to 250 °C. With grip for safe handling

sales unit reference	type	pcs per sales unit
HPRR-001-001	big	1



### Earmuff

Very light earmuff. Light noise reduction (SNR = 27 db). Adjustable height pads and padded harness. According to EN 352-1 CE standards

sales unit reference	type	pcs per sales unit
EARP-001-001	SNR = 27 dB	1



### Alkaline cleaning agent labkem M66 for manual cleaning

Concentrated alkaline liquid cleaning agent for manual use, soaking and ultrasonic cleaning of glassware and laboratory equipment made of stainless steel, porcelain, ceramic and plastic. LABKEM CLEANER M66 is biodegradable and presents high penetrating wetting power. It efficiently replaces corrosive acidic mixtures and hazardous solvents. LABKEM CLEANER M66 is used to remove grease, oils, blood, cell tissue, chemicals, distillation residues and silicon oils. Free rinse. Ingredients: Alkalis, surfactants, chlorinated agents. Concentration use: 2% (20 ml per liter of water). pH: 11,7 (2%)

sales unit reference	type	pcs per sales unit
SOAP-066-5K0	labkem cleaner M66, bottle 5 L	1



### Alkaline phosphate-free cleaning agent labkem M67 for manual cleaning

Phosphate free concentrated liquid alkaline cleaning agent. Recommended for manual use, soaking and ultrasonic cleaning of glassware and laboratory equipment made of stainless steel, porcelain, ceramic and plastic. LABKEM CLEANER M67 is biodegradable and is used in water analysis and control laboratories. It efficiently removes grease, oils, blood, cell tissue, chemicals and biological residues. Free rinse. Ingredients: Alkalis, surfactants, carbonates. Concentration use: 2% (20 ml per liter of water). pH: 11,8 (2%)

sales unit reference	type	pcs per sales unit
SOAP-067-5K0	labkem cleaner M67, bottle 5 L	1

### Neutral cleaning agent labkem M68 for manual cleaning

Neutral concentrated detergent for gentle cleaning of sensitive glassware and materials. Suitable for manual, soaking and ultrasonic cleaning. LABKEM CLEANER M68 is biodegradable and ensures complete removal of organic soils, oils, blood and biological residues on sensitive glassware and laboratory equipment made of soft metal like aluminum, zinc and alloys. Free rinse. Ingredients: Surfactants, complexing agents, sequestering agents. Concentration use: 5% (50 ml per liter of water). pH: 7,7 (2%)

sales unit reference	type	pcs per sales unit
SOAP-068-5K0	labkem cleaner M68, bottle 5 L	1



### Alkaline phosphate-free cleaning agent labkem A102 for automatic washing machine

Low foam liquid alkaline detergent - Phosphate free. For use in laboratory glassware washers, washers-sterilizers, spray washers. LABKEM CLEANER A102 is used to clean glassware, instruments and items made of stainless steel, plastic, ceramic and porcelain. It efficiently removes grease, silicon oil, blood, cell cultures, chemical and biological residues. For optimal results, use a neutralizing cycle with LABKEM RINSE AGENT A103, an acidic rinsing agent. Free rinse. Ingredients: Alkalis, sequestering agents, chlorinated agents. Concentration use: 0,5-1% (5 -10 ml per liter of water). pH: 7,7 (2%)

sales unit reference	type	pcs per sales unit
SOAP-102-5K0	labkem cleaner A102, bottle 5 L	1



### Rinsing agent labkem A103 for automatic washing machine

Acidic neutralizing agent - surfactant free. For use in laboratory glassware washers. LABKEM RINSE AGENT A103 is biodegradable and is used in the neutralizing cycle after the main alkaline washing cycle with LABKEM CLEANER A102. It neutralizes and removes residual alkaline and mineral traces which may cause white stains on glassware. LABKEM RINSE AGENT A103 can also be used in the prewash cycle. Free rinse. Ingredients: Organic acid, mineral salts. Concentration use: 0,3-0,5% (3-5 ml per liter of water). pH: 2,4 (2%)

sales unit reference	type	pcs per sales unit
SOAP-103-5K0	labkem rinse agent A103, bottle 5 L	1



### Neutral cleaning agent labkem A104 for automatic washing machine

Low foam neutral liquid detergent for gentle washing of sensitive materials. For use in laboratory glassware washers. LABKEM CLEANER A104 allows neutral cleaning of sensitive glassware and parts made of soft metal like aluminum, zinc and alloys. Free rinse without residues. Ingredients: Surfactants, complexing agents, sequestering agents. Concentration use: 1% (10 ml per liter of water). pH: 10,3 (2%)

sales unit reference	type	pcs per sales unit
SOAP-104-5K0	labkem cleaner A104, bottle 5 L	1



### Alkaline cleaning agent labkem A105 for automatic washing machine

Powdered alkaline detergent. For use in laboratory glassware washers with dedicated powder compartment. LABKEM CLEANER A105 allows efficient removal of greases, oils, organic and distillation residues, biological and chemical residues from glassware and part made of stainless steel, plastic, porcelain and ceramic. High emulsifying power. Free rinse. Ingredients: Surfactants, phosphates, hydrates, chlorinated agents. Concentration use: 0,3% (3 g per liter of water). pH: 10,6 (0,3%).

**Caution: Dangerous chemical product (UN 3077).** Due to shipping restrictions or local/national regulations, this product may not be available in all countries or for some particular customers. For more information, please contact our Customer Service

sales unit reference	type	pcs per sales unit
SOAP-105-5K0	labkem cleaner A105, 5 Kg	1





### Eyewash stationary stand

Wall stand with two eyewash bottles, explanatory pictograms for instructions and a small mirror. Specially designed for work areas with eye damage risks by chemical products or foreign bodies. Includes two bottles available separately for sale: one including 500 ml of eyewash liquid (sterile NaCl 0.9%) and one including 200 ml of neutral solution (sterile phosphate buffer 4.9%). Neutral solution is to be used to neutralize quickly acids and bases and must be rinsed with the eyewash solution afterwards. Both bottles have an ergonomic mouth perfectly adapted to the eye, according to CE standards and with expiry date from 2 to 3 years

sales unit reference	description	pcs per sales unit
EYES-S01-001	stationary stand eyewash	1
Spare parts		
EYES-SAL-500	saline solution, 500 ml	1
EYES-NEU-200	200 ml neutral pH solution	1



### Safe-Handle bottle protector

Prevents breakage of 2.5 L glass bottles commonly used for most laboratory reagents and solvents manufacturers. If a bottle does break, it helps contain glass shards and liquid spills, protecting lab personnel. Integrated handle helps in handling and pouring heavy bottles. Easy-to-use mechanism and fully reusable. Important: suitable only for bottle models with smooth external surface (not suitable for bottles with integrated handle)

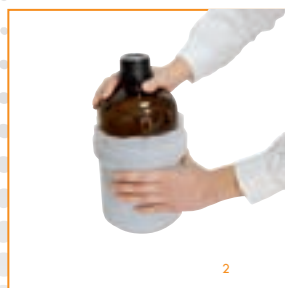
sales unit reference	description	pcs per sales unit
SAFE-001-001	Safe-Handle bottle protector	1

#### Prevents breakage and minimize spills:

the Safe-Handle acts as a shock absorber to help prevent bottle breakage due to minor jolts such as hitting the edge of a lab bench or knocking one bottle against another. If a bottle does break, the Safe-Handle helps contain glass shards and liquid spills, protecting lab personnel from broken glass and liquid exposure.



#### 6 easy steps to greater lab safety:





### Burette brushes

Natural bristle hand on twisted galvanised iron wire stem

sales unit reference	l <sub>total</sub> (mm)	∅ <sub>brush</sub> (mm)	l <sub>brush</sub> (mm)	type	pcs per sales unit
BRU3-005-001	800	25	150	natural bristle	1

### Test tube brushes

White nylon or natural bristle hand on twisted galvanised iron wire stem

sales unit reference	l <sub>total</sub> (mm)	∅ <sub>brush</sub> (mm)	l <sub>brush</sub> (mm)	type	pcs per sales unit
BRU1-002-002	120	6	40	nylon (A)	2
BRU3-001-001	170	17	55	natural bristle (B)	1
BRU3-002-001	200	25	75	natural bristle (C)	1
BRU3-003-001	240	35	70	natural bristle (D)	1

### Brushes for general purposes

Natural bristle hand on twisted galvanised iron wire stem

sales unit reference	l <sub>total</sub> (mm)	∅ <sub>brush</sub> (mm)	l <sub>brush</sub> (mm)	type	pcs per sales unit
BRU4-001-001	280	40	80	natural bristle (A)	1
BRU4-002-001	310	50	100	natural bristle (B)	1
BRU4-003-001	355	50	110	natural bristle (C)	1
BRU4-004-001	600	70	150	natural bristle (D)	1

### Brush for special purposes

Natural bristle

sales unit reference	l <sub>total</sub> (mm)	∅ <sub>brush</sub> (mm)	l <sub>brush</sub> (mm)	type	pcs per sales unit
BRU2-001-001	380	16	120	natural bristle, for big beakers (A)	1
BRU2-003-001	580	40	220	natural bristle, for round bottom flasks (B)	1

### Set of 9 assorted brushes

Includes brushes for general use and test tubes of different sizes in nylon and natural bristle

sales unit reference	type	pcs per sales unit
BRU1-KIT-001	9 assorted brushes	1

### Draining rack

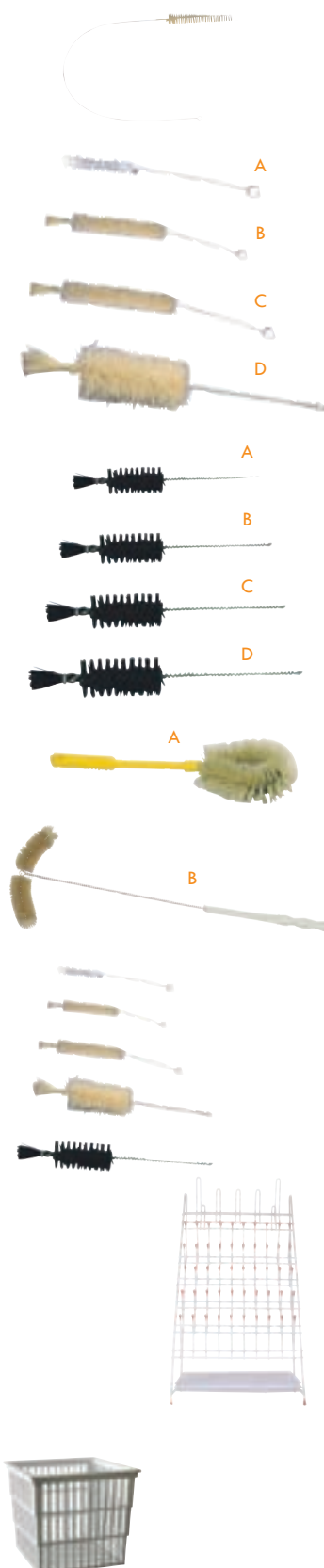
PVC coated wire. Can be hanged or placed upon a table. Includes a water collection tray

sales unit reference	type	h (mm)	w (mm)	base (mm)	pcs per sales unit
DRAI-055-001	55 pos.	650	360	360 x 130	1

### Test tube basket

Made of polypropylene. Autoclavable at 121°C

sales unit reference	h (mm)	l (mm)	w (mm)	pcs per sales unit
TTBP-001-001	140	120	110	1
TTBP-002-001	160	160	160	1



**Absorbent powder**

H<sub>2</sub>O<sub>3</sub>Si·xH<sub>2</sub>O·2/3Mg CAS : 63800-37-3 \* EC : 264-465-3

**Absorbent powder for spilled liquids**

Special natural absorbent particles (0.6-0.25 mm), designed to absorb all types of liquid spills or leaks that occur indoors or protected from the wind.

Size (mm): 0.60 to 0.25

Mineral: Sepiolite

Bulk density: 600 g / L

Fluid absorption (approximately): Water 140%; Paraffin oil 90% ; Lubricating oil SAE10: 88%; NaOH 50%: 235%; Nitric acid 60%: 190%

Directions: Add the granules on the liquid, wait a few minutes until the liquid is completely absorbed and can be removed with a shovel.

Reference	Packaging	Size
ABSU-00P-1K0	plastic bottle	1 kg
ABSU-00P-5K0	plastic bottle	5 kg

**Acetic acid glacial**

Methane carboxylic acid, Methylformic acid

CH<sub>3</sub>COOH MW : 60,05 \* CAS : 64-19-7 \* EC : 200-580-7 \* EC INDEX : 607-002-00-6

UN 2789 \* ADR : 8 (3) CF1 II UN 2789 \* IMDG : 8 (3) II UN 2789 \* IATA : 8 (3) II UN 2789



**Acetic acid glacial 99.8% Analytical Grade ACS, ISO, Ph.Eur.**

Assay >99.8%	Cr<0.000002%
Non volatile residue <0.0005%	Cu<0.000001%
Color (Hazen) < 5	Fe<0.00001%
Acetaldehyde<0.0002%	Ge<0.000005%
Acetic anhydride <0.01%	K<0.00001%
SO4<0.00005%	Li<0.000001%
Cl<0.00005%	Mg<0.00001%
PO4<0.00005%	Mn<0.000001%
As<0.000001%	Mo<0.000002%
Indiference to CrO3 passes test	Na<0.00005%
Reducing substances <0.002%	Ni<0.000002%
Ag<0.000001%	Pb<0.000002%
Al<0.000005%	Sr<0.000001%
Ba<0.000001%	Ti<0.00001%
Be<0.000001%	Tl<0.000005%
Bi<0.00001%	V<0.000001%
Ca<0.00002%	Zn<0.000005%
Cd<0.000005%	Zr<0.00001%
H2O<0.15%	
Co<0.000001%	

Reference	Packaging	Size
ACAC-GIA-1K0	plastic bottle GL45	1 L
ACAC-GIA-2K5	plastic bottle GL45	2,5 L

**Acetic acid glacial 99.7% Analytical Grade Ph.Eur., USP**

Assay >99.7%	Formate (HCOO) < 0.05%
Density (20°C) 1.048-1.050 g/ml	Lead (Pb) < 0.00001%
Freezing Point > 16.2°C	Sulphate (SO4) < 0.0001%
Water-insoluble matter: passes test	Arsenic (As) < 0.00005%
Iron (Fe) < 0.00002%	Copper (Cu) < 0.00004%
Water < 0.2%	Substance reducing dichromate (O) < 0.003%
Non-volatile matter < 0.001%	
Acetic anhydride < 0.2%	
Chloride (Cl) <0.0001%	

Reference	Packaging	Size
ACAC-G0A-1K0	plastic bottle GL45	1 L
ACAC-G0A-2K5	plastic bottle GL45	2,5 L

**Acetic acid glacial Extra Pure BP, Ph.Eur, USP**

Assay >99.5%  
Density (20°C) 1.047-1.052 g/ml  
Freezing point > 15.5 °C  
Non-volatile matter < 0.01%  
Chloride (Cl) < 0.0005%  
Sulphate (SO4) < 0.0005%  
Arsenic (As) < 0.0002%  
Iron (Fe) < 0.0002%  
Lead (Pb) < 0.0002%

Reference	Packaging	Size
ACAC-G0T-2K5	plastic bottle GL45	2,5 L
ACAC-G0T-5K0	plastic bottle	5 L

**Acetic anhydride**

(CH<sub>3</sub>CO)<sub>2</sub>O MW : 102,08 \* CAS : 108-24-7 \* EC : 203-564-8 \* EC INDEX : 607-008-00-9

UN 1715 \* ADR : 8 II UN 1715 \* IMDG : 8 II UN 1715 \* IATA : 8 II UN 1715



**Acetic anhydride Analytical Grade ACS, ISO, Ph.Eur.**

Assay > 99.0%	Cr<0.000002%
Nonvolatile residue<0.003%	Cu<0.000002%
Cl<0.0002%	Fe<0.00001%
PO4<0.001%	Mg<0.00001%
SO4<0.0005%	Mn<0.000002%
Reducing substances <0.01%	Ni<0.000002%
Al<0.0005%	Pb<0.00001%
B<0.000002%	Sn<0.00001%
Ba<0.00001%	Zn<0.00001%
Ca<0.00005%	
Cd<0.000005%	
Co<0.000002%	

Reference	Packaging	Size
ACAN-00A-1K0	glass bottle GL45	1 L

**Acetone**

Dimethyl ketone, 2-Propanone

CH<sub>3</sub>COCH<sub>3</sub> MW : 58,08 \* CAS : 67-64-1 \* EC : 200-662-2 \* EC INDEX : 606-001-00-8

UN 1090 \* ADR : 3 F1 II UN 1090 \* IMDG : 3 II UN 1090 \* IATA : 3 II UN 1090



**Acetone 99.5% Analytical Grade ACS, ISO, Ph.Eur.**

Assay >99.5%	Ni<0.000005%
Free Acid <0.002%	Co<0.000005%
Free Alkalinity <0.001%	Fe<0.00001%
Methanol<0.01%	Mn<0.000001%
Ethanol<0.01%	Zn<0.000001%
Formaldehyde<0.0002%	Mg<0.00001%
Reducing substances<0.00025%	
H2O<0.2%	
Nonvolatile residue<0.001%	
Pb<0.000001%	
Cu<0.000001%	

Reference	Packaging	Size
ACET-01A-1K0	plastic bottle GL45	1 L
ACET-01A-2K5	plastic bottle GL45	2,5 L
ACET-01A-5K0	plastic bottle GL45	5 L

**Acetone 99.5% Analytical Grade ACS, Ph.Eur.**

Assay >99.5%  
 Refractive index 1.3580-1.3600  
 Density (20°C) 0.789 - 0.791 g/ml  
 Solubility: miscible with water forming clear colourless solution  
 Aldehyde (HCHO) < 0.001%  
 Acidity (CH<sub>3</sub>COOH) < 0.002%  
 Alkalinity < 0.03 ml N/1%  
 Non-volatile Matter < 0.0005%  
 2-Propanol < 0.05%  
 Methanol (CH<sub>3</sub>OH) < 0.05%  
 Substance reducing Permanganate(O) < 0.0002%  
 Water < 0.2%

Reference	Packaging	Size
ACET-00A-1K0	plastic bottle GL45	1 L
ACET-00A-2K5	plastic bottle GL45	2,5 L

**Acetone 99.6 % GLR**

Assay ≥ 99.6%  
 Appearance Clear liquid  
 Color (Pt-Co) ≤ 10  
 Water ≤ 0,3%  
 Acidity (CH<sub>3</sub>COOH) ≤ 20 ppm  
 Benzene ≤ 5ppm  
 Mesityl Oxide ≤ 50 ppm  
 Cumene ≤ 50 ppm  
 Diacetone alcohol ≤ 150 ppm  
 Density (15 °C) 0,796 – 0,798  
 Boiling range 55,8 – 56,6 °C  
 Non volatile residue ≤ 15 ppm

Reference	Packaging	Size
ACET-POP-1K0	plastic bottle	1 L
ACET-GOP-1K0	glass bottle	1 L
ACET-POP-2K0	plastic bottle	2 L
ACET-POP-5K0	plastic bottle	5 L
ACET-POP-10K	plastic bottle	10 L
ACET-MOP-25K	metal can	25 L

**Acetone for synthesis BP, USP**

Assay >99%  
 Density (20 °C) 0.789-0.792 g/ml  
 Water < 0.5%  
 Acidity < 0.2 ml N %  
 Non-Volatile matter < 0.005%

Reference	Packaging	Size
ACET-00T-2K5	plastic bottle GL45	2,5 L
ACET-00T-5K0	plastic bottle	5 L

**Acetonitrile**

Cyanomethane

MW : 41,05 \* CAS : 75-05-8 \* EC : 200-835-2  
 \* EC INDEX : 608-001-00-3

UN 1648 \* ADR : 3 F1 II UN 1648 \* IMDG : 3 II UN 1648 \* IATA : 3 II UN 1648


**Acetonitrile HPLC gradient grade**

Assay >99.9%  
 H<sub>2</sub>O < 150ppm  
 Acidity < 0.0005 meq/g  
 Non volatile residue < 0.0005%  
 Gradient Elution Test :  
 UV Abs. at 254 nm  
 max. 0.001  
 T195nm > 70%  
 T200nm > 80%  
 T210nm > 88%  
 T220nm > 94%  
 T230nm > 98%  
 T240 nm > 99%

Reference	Packaging	Size
ACTN-0GH-2K5	glass bottle GL45	2,5 L

**Acetonitrile HPLC Isocratic grade**

Assay >99.9%  
 H<sub>2</sub>O < 200ppm  
 Acidity < 0.0005 meq/g  
 Non volatile residue < 0.0005%  
 T240nm > 98%  
 T250nm > 99%

Reference	Packaging	Size
ACTN-0IH-2K5	glass bottle GL45	2,5 L

**Acetyl chloride**

MW : 78,5 \* CAS : 75-36-5 \* EC : 200-865-6  
 \* EC INDEX : 607-011-00-5

 CH<sub>3</sub>COCl

UN 1717 \* ADR : 3 (8) FC II UN 1717 \* IMDG : 3 (8) FC II UN 1717 \* IATA : 3 (8) II UN 1717


**Acetyl chloride Extra Pure**

Assay 98-102%  
 Density (20°C) about 1.10 g/ml  
 Non-volatile matter < 0.05%  
 Phosphorous compounds (P) < 0.005%  
 Sulphate (SO<sub>4</sub>) < 0.01%

Reference	Packaging	Size
ACCH-00T-1K0	glass bottle GL45	1 L

**Acridine orange, C.I. 46005**

Basic orange, Acridine orange zinc chloride double salt

C<sub>17</sub>H<sub>12</sub>ClN<sub>3</sub>·1/2 ZnCl<sub>2</sub> MW : 438,09 \* CAS : 10127-02-3 \* EC : 233-353-6


**Acridine orange, C.I. 46005**

Assay >60%  
 Absorption (in 50% ethanol) max. 489-493 nm  
 Absorptivity (1% 1 cm, λ max. 50 ethanol) > 950.0  
 Loss on drying at 110 °C < 5.0%

Reference	Packaging	Size
ACOR-00D-025	glass bottle	25 g

**DL-Alanine**

C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub> MW : 89,09 \* CAS : 302-72-7 \* EC : 206-126-4

**DL-Alanine 99% Extra Pure for biochemistry**

Assay >99.0%  
 Heavy metals (as Pb) < 0.001%

Reference	Packaging	Size
ALAN-00B-100	plastic bottle	100 g

**Alizarin red S, C.I. 58005**

Sodium alizarinsulfonate, Alizarin carmine

 $C_{14}H_7NaO_7S$ 

MW : 342,25 \* CAS : 130-22-3 \* EC : 204-981-8


**Alizarin red S, C.I. 58005 Analytical Grade**

Assay &gt;70%

Transition range pH 4.3-6.3 yellow-pink

Transition range pH 9.4-12.0 brown orange-violet

Solubility 0.1% (water): clear solution

Absorption max. in 0.1N NaOH 592-599 nm

Absorptivity (A1%/1cm at 556) &gt; 350.0

Absorptivity (A1%/1cm at 595) &gt; 325.0

Loss on drying (110°C) &lt; 5.0%

Reference	Packaging	Size
ALIZ-00D-025	plastic bottle	25 g

**Aluminium ammonium sulfate dodecahydrate**

Ammonium aluminium sulfate, Ammonium alum

 $NH_4Al(SO_4)_2 \cdot 12H_2O$ 

MW : 453,33 \* CAS : 7784-26-1 \* EC : 232-055-3


**Aluminium ammonium sulfate dodecahydrate Analytical Grade ACS**

Assay &gt;99.5%

Insoluble matter &lt; 0.005%

Reaction &gt; pH 3.0

Chloride (Cl) &lt; 0.002%

 Nitrate (NO<sub>3</sub>) < 0.001%

 Phosphate (PO<sub>4</sub>) < 0.0025%

 Silicate (SiO<sub>3</sub>) < 0.002%

Arsenic (As) &lt; 0.00005%

Copper (Cu) &lt; 0.0005%

Iron (Fe) &lt; 0.0005%

Lead (Pb) &lt; 0.0005%

Potassium (K) &lt; 0.05%

Sodium (Na) &lt; 0.005%

Reference	Packaging	Size
ALAS-12A-500	plastic bottle	500 g

**Aluminium chloride anhydrous**
 $AlCl_3$ 

 MW : 133,34 \* CAS : 7446-70-0 \* EC : 231-208-1  
 \* EC INDEX : 013-003-00-7

UN 1726 \* ADR : 8 C2 II UN 1726 \* IMDG : 8 II UN 1726 \* IATA : 8 II UN 1726


**Aluminium chloride anhydrous Extra Pure**

Assay &gt;98.0%

Iron (Fe) &lt; 0.05%

Heavy metals (Pb) &lt; 0.005%

 Sulphate (SO<sub>4</sub>) < 0.05%

Reference	Packaging	Size
ALCH-00T-500	plastic bottle	500 g

**Aluminium chloride hexahydrate**
 $AlCl_3 \cdot 6H_2O$ 

MW : 241,43 \* CAS : 7784-13-6 \* EC : 231-208-1


**Aluminium chloride hexahydrate Analytical Grade**

Assay &gt;99%

 Sulphate (SO<sub>4</sub>) < 0.005%

Calcium (Ca) &lt; 0.01%

Cadmium (Cd) &lt; 0.005%

Cobalt (Co) &lt; 0.005%

Copper (Cu) &lt; 0.005%

Iron (Fe) &lt; 0.005%

Potassium (K) &lt; 0.01%

Sodium (Na) &lt; 0.05%

Nickel (Ni) &lt; 0.005%

Lead (Pb) &lt; 0.005%

Zinc (Zn) &lt; 0.005%

Reference	Packaging	Size
ALCH-06A-500	plastic bottle	500 g

**Aluminium nitrate nonahydrate**
 $Al(NO_3)_3 \cdot 9H_2O$ 

MW : 375,13 \* CAS : 7784-27-2 \* EC : 236-751-8

UN 1438 \* ADR : 5.1 O2 III UN 1438 \* IMDG : 5.1 III UN 1438 \* IATA : 5.1 III UN 1438


**Aluminium nitrate nonahydrate Analytical Grade ACS**

Assay &gt;98.5%

Insoluble matter &lt; 0.005%

Reaction &gt; pH 2.0

Chloride (Cl) &lt; 0.001%

 Sulphate (SO<sub>4</sub>) < 0.005%

 Ammonium (NH<sub>4</sub>) < 0.02%

Copper (Cu) &lt; 0.001%

Iron (Fe) &lt; 0.002%

Lead (Pb) &lt; 0.001%

Potassium (K) &lt; 0.002%

Sodium (Na) &lt; 0.005%

Reference	Packaging	Size
ALNA-09A-500	plastic bottle	500 g

**Aluminium potassium sulfate dodecahydrate**

Potassium aluminium sulfate, Alum potassium, Potassium alum

 $AlK(SO_4)_2 \cdot 12 H_2O$ 

MW : 474,39 \* CAS : 7784-24-9 \* EC : 233-141-3

**Aluminium potassium sulfate dodecahydrate Analytical Grade ACS, BP**

Assay &gt;99.5%

Insoluble matter &lt; 0.005%

Reaction &gt; pH 3.0

Chloride (Cl) &lt; 0.001%

 Ammonium (NH<sub>4</sub>) < 0.025%

Arsenic (As) &lt; 0.0002%

Copper (Cu) &lt; 0.0005%

Iron (Fe) &lt; 0.0005%

Lead (Pb) &lt; 0.0005%

Sodium (Na) &lt; 0.01%

Reference	Packaging	Size
ALPS-12A-500	plastic bottle	500 g

**Aluminium powder**

Al MW : 26,98 \* CAS : 7429-90-5 \* EC : 231-072-3

UN 1396 \* ADR : 4.3 W2 II UN 1396 \* IMDG : 4.3 II UN 1396 \* IATA : 8 II UN 1789


**Aluminium powder Extra Pure**

Assay >99.7%  
 Iron < 0.17%  
 Copper < 0.00159%  
 Silicon < 0.1313%  
 Manganese < 0.0023%  
 Magnesium < 0.0016%  
 Zinc < 0.0053%

Reference	Packaging	Size
ALPW-00T-250	plastic bottle	250 g

**Aluminium sulfate 18-hydrate**
 $\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$  MW : 666,42 \* CAS : 7784-31-8 \* EC : 233-135-0

**Aluminium sulfate 18-hydrate Analytical Grade ACS, BP**

Assay 98-102%  
 Insoluble matter < 0.005%  
 Reaction > pH 2.5  
 Chloride (Cl) < 0.001%  
 Ammonium (NH<sub>4</sub>) < 0.002%  
 Copper (Cu) < 0.001%  
 Iron (Fe) < 0.004%  
 Lead (Pb) < 0.001%  
 Potassium (K) < 0.005%  
 Sodium (Na) < 0.05%

Reference	Packaging	Size
ALSU-18A-1K0	plastic bottle	1 Kg

**Ammonia solution 25%**
 $\text{NH}_3$  MW : 17,03 \* CAS : 1336-21-6 \* EC : 215-647-6  
 \* EC INDEX : 007-001-01-2

UN 2672 \* ADR : 8 C5 III UN 2672 \* IMDG : 8 III UN 2672 \* IATA : 8 III UN 2672


**Ammonia solution 25% Analytical Grade ISO, Ph.Eur.**

Assay >25.0%	Mn<0.00001%
Non volatile residue<0.002%	Mo<0.00001%
Ag<0.000002%	Na<0.0001%
Au<0.00001%	Ni<0.000005%
Ba<0.00001%	Pb<0.000005%
Bi<0.00001%	Pt<0.00001%
Ca<0.0001%	Sn<0.00001%
Cd<0.000005%	Sr<0.0001%
Co<0.00001%	Ti<0.00001%
Cr<0.000005%	Tl<0.000005%
Cu<0.00001%	Zn<0.00001%
Fe<0.00001%	CO <sub>3</sub> <0,001%
Ga<0.000002%	Cl<0.00005%
In<0.000002%	PO <sub>4</sub> <0.00005%
K<0.0001%	SO <sub>4</sub> <0.0002%
Li<0.000002%	S<0.0002%
Mg<0.00005%	Red.<0.0005%

Reference	Packaging	Size
AMMO-25I-1K0	plastic bottle GL45	1 L

**Ammonia solution 25% Analytical Grade**

Assay >25.0%  
 Carbonate (as CO<sub>2</sub>) <0.002%  
 Chloride (Cl) < 0.00005%  
 Phosphate (as CO<sub>2</sub>) < 0.0002%  
 Iron (Fe) < 0.00005%  
 Sulphate ( as SO<sub>4</sub>) < 0.0003%  
 Non-volatile matter < 0.003%  
 Calcium (Ca) < 0.0005%  
 Copper (Cu) < 0.00001%  
 Potassium (K) < 0.0001%  
 Sodium (Na) < 0.0005%  
 Magnesium (Mg) < 0.00005%  
 Zinc (Zn) < 0.00001%

Reference	Packaging	Size
AMMO-25A-1K0	glass bottle GL45	1 L
AMMO-25A-2K5	glass bottle GL45	2,5 L

**Ammonia solution 28-30%**
 $\text{NH}_3$  MW : 17,03 \* CAS : 1336-21-6 \* EC : 215-647-6  
 \* EC INDEX : 007-001-01-2

UN 2672 \* ADR : 8 C5 III UN 2672 \* IMDG : 8 III UN 2672 \* IATA : 8 III UN 2672


**Ammonia solution 28-30% Analytical Grade Ph.Eur.**

Assay 28.0-30.0%  
 Carbonate (as CO<sub>2</sub>) < 0.001%  
 Chloride (Cl) < 0.00005%  
 Nitrate (NO<sub>3</sub>) < 0.0002%  
 Phosphate (PO<sub>4</sub>) < 0.00005%  
 Heavy metals (as Pb) < 0.00005%  
 Silicon (as SiO<sub>2</sub>) < 0.0005%  
 Sulphate (SO<sub>4</sub>) < 0.0002%  
 Sulphide (S) < 0.00002%

Reference	Packaging	Size
AMMO-30A-1K0	glass bottle GL45	1 L
AMMO-30A-2K5	glass bottle GL45	2,5 L

**Ammonium acetate**
 $\text{NH}_4\text{CH}_3\text{COO}$  MW : 77,08 \* CAS : 631-61-8

**Ammonium acetate Analytical Grade ACS**

Assay >98.0%  
 Insoluble matter < 0.005%  
 pH 6.7-7.3  
 Non-volatile matter < 0.01%  
 Phosphate (PO<sub>4</sub>) < 0.0005%  
 Chloride (Cl) < 0.0005%  
 Nitrate (NO<sub>3</sub>) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.001%  
 Iron (Fe) < 0.0005%  
 Lead (Pb) < 0.0005%  
 Residue on ignition (as SO<sub>4</sub>) < 0.01%  
 Reducing substance to KMnO<sub>4</sub> < 0.005%  
 Water < 2.0%

Reference	Packaging	Size
AMAC-00A-500	plastic bottle	500 g

**Ammonium bromide**
 $\text{NH}_4\text{Br}$  MW : 97,94 \* CAS : 12124-97-9 \* EC : 235-183-8

**Ammonium bromide Analytical Grade ACS**

Assay >99.5%  
 Insoluble matter < 0.003%  
 pH of solution > 4.8  
 Loss on drying at 100°C < 0.1%  
 Non volatile matter < 0.01%  
 Bromate (BrO<sub>3</sub>) < 0.001%

Chloride (Cl) < 0.2%  
 Iodide (I) < 0.025%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Iron (Fe) < 0.0001%  
 Heavy metals (Pb) < 0.0002%

Reference	Packaging	Size
AMBR-00A-500	plastic bottle	500 g

**Ammonium carbonate**
 $(\text{NH}_4)_2\text{CO}_3$  MW : 96,09 \* CAS : 506-87-6 \* EC : 208-58-0

**Ammonium carbonate Analytical Grade ACS**

Assay (as NH<sub>3</sub>) >30%  
 Chloride (Cl) < 0.00005%  
 Phosphate (PO<sub>4</sub>) < 0.0005%  
 Silicate (SiO<sub>2</sub>) < 0.0005%  
 Sulphate (SO<sub>4</sub>) < 0.001%  
 Calcium (Ca) < 0.001%

Copper (Cu) < 0.00005%  
 Iron (Fe) < 0.00005%  
 Lead (Pb) < 0.00005%  
 Magnesium (Mg) < 0.0005%  
 Potassium (K) < 0.0005%  
 Sodium (Na) < 0.001%

Reference	Packaging	Size
AMCA-00A-500	plastic bottle	500 g

**Ammonium chloride**

Sal ammoniac; Ammonium muriate

 $\text{NH}_4\text{Cl}$  MW : 53,49 \* CAS : 12125-02-9 \* EC : 235-186-4  
 \* EC INDEX : 017-014-00-8

**Ammonium chloride Analytical Grade**

Assay > 99.5%  
 Substances insoluble in water max. 0,005 %  
 Residue on ignition (as SO<sub>4</sub>) max. 0,05 %  
 Nitrate (NO<sub>3</sub>) max. 0,0006 %  
 Sulphates (SO<sub>4</sub>) max. 0,002 %  
 Phosphates (PO<sub>4</sub>) max. 0,001 %  
 Chlorates (ClO<sub>3</sub>) max. 0,0005 %  
 Iodides and bromides(I + Br) max. 0,001 %

Thiocyanate (SCN) max. 0,005 %  
 Iron (Fe III) max. 0,0005 %  
 Calcium (Ca) max. 0,001 %  
 Magnesium (Mg) max. 0,001 %  
 Arsenic (As) max. 0,00005 %  
 Heavy metals (as Pb) max. 0,0005 %  
 Organic substances passes test

Reference	Packaging	Size
AMCH-00A-1K0	plastic bottle	1 kg

**Ammonium chloride Analytical Grade Ph.Eur.**

Assay 99.0 % - 100.5 % (dried substance).  
 Appearance: White or almost white, crystalline powder or colourless crystals.  
 Identification: Conforms  
 Appearance of solution: Conforms  
 Acidity or alkalinity: Passes test  
 Bromides and iodides: Passes test

Sulfates : ≤ 150 ppm.  
 Calcium : ≤ 200 ppm.  
 Iron : ≤ 20 ppm.  
 Heavy metals: ≤ 10 ppm.  
 Loss on drying : ≤ 1.0 %  
 Sulfated ash : ≤ 0.1 %

Reference	Packaging	Size
AMCH-00P-1K0	plastic bottle	1 kg
AMCH-00P-5K0	plastic bottle	5 kg

**Ammonium dichromate watered**

Ammonium bichromate

 $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$  MW : 252,07 \* CAS : 7789-09-5 \* EC : 232-143-1

UN 1439 \* ADR : 5.1 O2 II UN 1439 \* IMDG : 5.1 II UN 1439 \* IATA : 5.1 II UN 1439


**Ammonium dichromate watered (0.5-3% H2O) Analytical Grade**

Assay >99.5%  
 Insoluble matter < 0.003%  
 Loss on drying at 105 °C < 3%  
 Chloride (Cl) < 0.001%

Sulphate (SO<sub>4</sub>) < 0.01%  
 Aluminium (Al) < 0.003%  
 Calcium (Ca) < 0.0025%  
 Sodium (Na) < 0.02%

Reference	Packaging	Size
AMDC-W0A-500	plastic bottle	500 g

**Ammonium heptamolybdate tetrahydrate**

Ammonium molybdate

 $\text{H}_2\text{Mo}_7\text{N}_6\text{O}_{24} \cdot 4\text{H}_2\text{O}$  MW : 1235,86 \* CAS : 12054-85-2 \* EC : 234-722-4

**Ammonium heptamolybdate tetrahydrate Analytical Grade ACS**

Assay >99%  
 Insoluble matter < 0.005%  
 Chloride (Cl) < 0.0005%  
 Arsenate, Phosphate, Silicate (PO<sub>4</sub>) < 0.0003%

Nitrate (NO<sub>3</sub>) < 0.002%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Copper (Cu) < 0.001%  
 Iron (Fe) < 0.001%  
 Lead (Pb) < 0.001%

Reference	Packaging	Size
AMHM-04A-250	plastic bottle	250 g

**Ammonium iron (II) sulfate hexahydrate**

Mohr's salt

 $\text{H}_2\text{FeN}_2\text{O}_8\text{S}_2 \cdot 6\text{H}_2\text{O}$  MW : 392,14 \* CAS : 7783-85-9 \* EC : 233-151-8

**Ammonium iron (II) sulfate hexahydrate Analytical Grade ACS, USP, NF**

Assay >99%  
 Insoluble matter < 0.003%  
 Reaction > pH 3.5  
 Chloride (Cl) < 0.001%  
 Copper (Cu) < 0.002%  
 Iron(III) (Fe) < 0.02%

Lead (Pb) < 0.002%  
 Manganese (Mn) < 0.05%  
 Potassium (K) < 0.02%  
 Sodium (Na) < 0.02%  
 Zinc (Zn) < 0.006%

Reference	Packaging	Size
AMIS-06A-500	plastic bottle	500 g

**Ammonium iron (III) sulfate dodecahydrate**

Iron (III) ammonium sulfate, iron alum

 $\text{H}_2\text{FeNO}_8\text{S}_2 \cdot 12\text{H}_2\text{O}$  MW : 482,19 \* CAS : 7783-83-7 \* EC : 233-382-4

**Ammonium iron (III) sulfate dodecahydrate Analytical Grade ACS, USP, NF**

Assay >98.5%  
 Insoluble matter < 0.003%  
 Reaction > pH 2.0  
 Chloride (Cl) < 0.001%  
 Calcium (Ca) < 0.003%  
 Copper (Cu) < 0.002%  
 Fe(II) No reaction

Lead < 0.002%  
 Magnesium (Mg) < 0.001%  
 Manganese (Mn) < 0.001%  
 Potassium (K) < 0.01%  
 Sodium (Na) < 0.01%  
 Zinc (Zn) < 0.003%

Reference	Packaging	Size
AMIS-12A-500	plastic bottle	500 g

**di-Ammonium oxalate hydrate**

Oxalic acid ammonium salt

 $(\text{NH}_4)_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$  MW : 142,11 \* CAS : 6009-70-7 \* EC : 214-202-3

**di-Ammonium oxalate hydrate Analytical Grade ACS**

Assay >99.5%	Sulphate (SO <sub>4</sub> ) < 0.005%
Insoluble matter < 0.005%	Arsenic (As) < 0.00002%
pH 6.3-6.7	Calcium (Ca) < 0.001%
Non-volatile matter < 0.01%	Copper (Cu) < 0.0002%
Chloride (Cl) < 0.00025%	Iron (Fe) < 0.0002%
Nitrate (NO <sub>3</sub> ) < 0.003%	Lead (Pb) < 0.0002%
Phosphate (PO <sub>4</sub> ) < 0.0005%	

Reference	Packaging	Size
AMOX-01A-500	plastic bottle	500 g

**Ammonium persulfate**

Ammonium Peroxodisulphate

 $(\text{NH}_4)_2\text{S}_2\text{O}_8$  MW : 228,19 \* CAS : 7727-54-0 \* EC : 231-786-5  
 \* EC INDEX : 016-060-00-6

UN 1444 \* ADR : 5.1 50 III UN 1444 \* IMDG : 5,1 III UN 1444 \* IATA : 5,1 III UN 1444


**Ammonium persulfate Analytical Grade ACS**

Assay >99.0%	Iron (Fe) < 0.001%
Water insoluble matter < 0.005%	Heavy metals (as Pb) < 0.001%
Titration free acid < 0.044 meq/g	Manganese (Mn) < 0.00005%
Chloride, Chlorate < 0.001%	Lead (Pb) < 0.005%

Reference	Packaging	Size
AMPS-00A-500	plastic bottle	500 g

**Ammonium sulfate**
 $\text{H}_8\text{N}_2\text{O}_4\text{S}$  MW : 132,14 \* CAS : 7783-20-2 \* EC : 231-984-1  
 \* EC INDEX : 016-060-00-6

**Ammonium sulfate Analytical Grade ACS**

Assay >99.5%	Phosphate (PO <sub>4</sub> ) < 0.0005%
Insoluble matter < 0.001%	Arsenic (As) < 0.00002%
Loss on drying at 100 °C < 0.1%	Calcium (Ca) < 0.001%
Reaction > pH 4.5	Copper (Cu) < 0.0002%
Non-volatile matter < 0.01%	Iron (Fe) < 0.0002%
Chloride (Cl) < 0.0003%	Lead (Pb) < 0.0002%
Nitrate (NO <sub>3</sub> ) < 0.001%	Magnesium (Mg) < 0.0005%

Reference	Packaging	Size
AMSU-00A-500	plastic bottle	500 g

**Ammonium thiocyanate**

Ammonium sulfocyanate, Ammonium rhodanide, Ammonium sulfocyanide

 $\text{CH}_3\text{N}_2\text{S}$  MW : 76,12 \* CAS : 1762-95-4 \* EC : 217-175-6  
 \* EC INDEX : 615-004-00-3

**Ammonium thiocyanate Analytical Grade ACS**

Assay >99%	Lead (Pb) < 0.0004%
pH (5% water) 4.8-5.8	Copper (Cu) < 0.0004%
Chloride (Cl) < 0.005%	Iron (Fe) < 0.0001%
Sulphate (SO <sub>4</sub> ) < 0.0025%	Residue on ignition (as Sulphate) < 0.025%
Sulphide (S) < 0.001%	Iodine consuming substances < 0.02%

Reference	Packaging	Size
AMTH-00A-500	plastic bottle	500 g

**iso-Amyl alcohol (3-Methyl-1-butanol)**
 $\text{C}_5\text{H}_{12}\text{O}$  MW : 88,15 \* CAS : 123-51-3 \* EC : 250-378-8  
 \* EC INDEX : 603-006-00-7

UN 1105 \* ADR : 3 F1 III UN 1105 \* IMDG : 3 III UN 1105 \* IATA : 3 III UN 1105


**iso-Amyl alcohol (3-Methyl-1-butanol) Analytical Grade**

Assay >99.0%
Free acid (as CH <sub>3</sub> COOH) < 0.005%
Density (20°C) 0.810-0.812 g/ml
Furfural: passes test
Substances discoloured by H <sub>2</sub> SO <sub>4</sub> : passes test
Non-volatile substances < 0.01%
Water < 0.2%

Reference	Packaging	Size
AMYL-00A-1K0	glass bottle GL45	1 L

**iso-Amyl alcohol (3-Methyl-1-butanol) Analytical Grade acc. Gerber**

Assay > 98 % C <sub>5</sub> H <sub>12</sub> O (Mixture of isomers)
H <sub>2</sub> O < 0.3%
Density (20/4) 0.808-0.818
Dist. Range 128-132°C
2-Methyl-1-butanol 8-10%
3-Methyl-1-butanol 90-92%

Reference	Packaging	Size
AMYL-00P-1K0	plastic bottle	1 L

**Aniline blue, C.I. 42755**

Acid blue 22, China blue

 $\text{C}_{32}\text{H}_{25}\text{N}_3\text{Na}_2\text{O}_9\text{S}_3$  MW : 737,72 \* CAS : 28631-66-5 \* EC : 249-113-9

**Aniline blue, C.I. 42755 (water soluble)**

Absorption (1M ethanol) max. 595-610 nm
pH 9.4-14.0

Reference	Packaging	Size
ANBL-00D-025	plastic bottle	25 g

**L-Arginine**
 $\text{C}_6\text{H}_{14}\text{N}_4\text{O}_2$  MW : 174,2 \* CAS : 74-79-3 \* EC : 200-811-1

**L-Arginine 99% for biochemistry Ph. Eur.**

Assay >99.0%
Heavy metals (as Pb) < 0.001%
Ammonium (NH <sub>4</sub> ) < 0.01%
Specific Rotation (alpha (20/D), [C=5 in 5M HCl]): +26.5° ± 0.5°

Reference	Packaging	Size
ARGI-00B-100	plastic bottle	100 g

**L(+)-Ascorbic acid**

Vitamin C

 $C_6H_8O_6$  MW : 176,13 \* CAS : 50-81-7 \* EC : 200-066-2

**L(+)-Ascorbic acid for biochemistry Analytical Grade**

Assay >99.5%  
 Specific rotation (alpha (20/D)<sub>D</sub> (10% Solution) +20.5° to +21.5°C  
 Solution in water: passes test  
 Loss on drying < 0.1%  
 Lead (Pb) < 0.001%

Chloride (Cl) < 0.005%  
 Sulphated ash < 0.05%  
 Sulphate (SO<sub>4</sub>) < 0.002%  
 Copper (Cu) < 0.0003%  
 Heavy metals (as Pb) < 0.001%  
 Iron (Fe) < 0.0002%

Reference	Packaging	Size
ASAC-LOB-100	plastic bottle	100 g

**L(+)-Ascorbic acid Analytical Grade Ph.Eur.**

Assay 99.0% - 100.5%  
 Appearance: White or almost white, crystalline powder or colourless crystals  
 Melting point: About 190 °C, with decomposition.  
 Identification: Conforms  
 Appearance of solution: Conforms

Specific optical rotation : + 20.5 to + 21.5  
 Impurity E (oxalic acid): ≤ 0.2 %  
 Related substances: Passes test  
 Copper: ≤ 5 ppm.  
 Heavy metals : ≤ 10 ppm.  
 Sulfated ash : ≤ 0.1 %

Reference	Packaging	Size
ASAC-LOP-500	plastic bottle	500 g

**Azur II, C.I. 52010/52015**

CAS : 37247-10-2


**Azur II, C.I. 52010/52015 for microscopy**

Absorption max. (H<sub>2</sub>O) 655-660 nm  
 Absorptivity > 1800.0  
 Loss on drying (110°C) < 10.0%

Reference	Packaging	Size
AZUR-00D-010	glass bottle	10 g

**Barium chloride dihydrate**
 $BaCl_2 \cdot 2H_2O$  MW : 244,28 \* CAS : 10326-27-9 \* EC : 233-788-1  
 \* EC INDEX : 056-004-00-8

UN 1564 \* ADR : 6.1 T5 III UN 1564 \* IMDG : 6.1 III UN 1564 \* IATA : 6.1 III UN 1564


**Barium chloride dihydrate Analytical Grade ACS**

Assay 99%-100.5%  
 Insoluble matter < 0.005%  
 Reaction pH 5.0-8.0  
 Nitrate (NO<sub>3</sub>) < 0.001%  
 Calcium (Ca) < 0.01%  
 Copper (Cu) < 0.0005%

Iron (Fe) < 0.0002%  
 Lead (Pb) < 0.0005%  
 Potassium (K) < 0.004%  
 Sodium (Na) < 0.005%  
 Strontium (Sr) < 0.05%

Reference	Packaging	Size
BACL-02A-500	plastic bottle	500 g

**Barium chloride dihydrate Extra Pure**

Assay >99.0%  
 Heavy metals (as Pb) < 0.001%  
 Iron (Fe) < 0.001%  
 Substances not precipitated by dilute sulphuric acid (as SO<sub>4</sub>) < 0.1%

Reference	Packaging	Size
BACL-02T-500	plastic bottle	500 g

**Barium diphenylamine-4-sulfonate**

Bariumdiphenylamine-4-sulfonate

 $C_{24}H_{20}BaN_2O_6S_2$  MW : 633,9 \* CAS : 6211-24-1 \* EC : 228-278-0  
 \* EC INDEX : 056-002-00-7

UN 1564 \* ADR : 6.1 T5 III UN 1564 \* IMDG : 6.1 III UN 1564 \* IATA : 6.1 III UN 1564


**Barium diphenylamine-4-sulfonate Analytical Grade**

Loss on drying < 10.0%  
 Suitability as redox indicator: passes test

Reference	Packaging	Size
DIBA-00A-005	glass bottle	5 g

**Barium hydroxyde octahydrate**

Caustic baryta

 $H_2BaO_2 \cdot 8H_2O$  MW : 315,48 \* CAS : 12230-71-6 \* EC : 241-234-5

UN 2923 \* ADR : 8 CT2 II UN 2923 \* IMDG : 8 II UN 2923 \* IATA : 8 II UN 2923


**Barium hydroxyde octahydrate Analytical Grade ACS**

Assay >98%  
 Carbonates (as BaCO<sub>3</sub>) < 2.0%  
 Substances insoluble in dilute hydrochloric acid < 0.005%  
 Chloride (Cl) < 0.001%  
 Sulphide (S) < 0.0005%

Heavy metals (as Pb) < 0.0005%  
 Iron (Fe) < 0.0005%  
 Calcium (Ca) < 0.002%  
 Strontium (Sr) < 0.5%  
 Substances not precipitated by dilute sulphuric acid (as SO<sub>4</sub>) < 0.2%

Reference	Packaging	Size
BAHY-08A-500	plastic bottle	500 g

**Barium nitrate**
 $BaNO_3$  MW : 261,35 \* CAS : 10022-31-8 \* EC : 233-020-5  
 \* EC INDEX : 057-002-007

UN 1446 \* ADR : 5.1 OT2 II UN 1446 \* IMDG : 5.1 II UN 1446 \* IATA : 5.1 II UN 1446


**Barium nitrate Analytical Grade ACS**

Assay >99%  
 Chloride (Cl) < 0.0005%  
 Heavy metals (as Pb) < 0.0005%  
 Calcium (Ca) < 0.002%

Iron (Fe) < 0.0002%  
 Potassium (K) < 0.005%  
 Sodium (Na) < 0.005%  
 Strontium (Sr) < 0.05%

Reference	Packaging	Size
BANA-00A-500	plastic bottle	500 g

**Barium sulphate**
 $BaSO_4$  MW : 233,39 \* CAS : 7727-43-7 \* EC : 231-784-4

**Barium sulphate Analytical Grade**

Assay >97.0%  
 Chloride (Cl) < 0.001%  
 Free acid (H<sub>2</sub>SO<sub>4</sub>) < 0.02%  
 Phosphate (PO<sub>4</sub>) < 0.001%

Heavy metals (as Pb) < 0.001%  
 Arsenic (As) < 0.001%  
 Loss on Ignition < 2%

Reference	Packaging	Size
BASU-00A-500	plastic bottle	500 g



**Barium sulphate Extra Pure**

Assay >97.0%  
Soluble Barium compounds < 0.005%  
Chloride(Cl) < 0.05%  
Sulphide (S): passes test

Arsenic (As) < 0.0005%  
Heavy metals (as Pb) < 0.001%  
Loss on ignition < 2.0%

Reference	Packaging	Size
BASU-00T-500	plastic bottle	500 g

**Benedict reagent**

MW : N.A. \* CAS : 63126-89-6


**Benedict reagent qualitative Analytical Grade**

For detection of sugar in urine

Reference	Packaging	Size
BENR-QLA-500	plastic bottle	500 ml

**Benedict reagent quantitative Analytical Grade**

For determination of sugar in urine 25ml=0.05g glucose  
(This solution is not intended for qualitative testing)

Reference	Packaging	Size
BENR-QNA-500	plastic bottle	500 ml

**Benzaldehyde**

$C_6H_5CHO$   
MW : 106,12 \* CAS : 100-52-7 \* EC : 202-860-4  
\* EC INDEX : 605-012-00-5

UN 1990 \* ADR : 9 M11 III UN 1990 \* IMDG : 9 III UN 1990 \* IATA : 9 III UN 1990


**Benzaldehyde Analytical Grade**

Assay >99.0%  
Density (20°C) 1.044-1.046 g/ml  
Refractive index 1.544-1.546  
Acidity (C6H5COOH) < 0.3%

Sulphated ash < 0.01%  
Benzylidene dichloride (C7H6Cl2) < 0.05%  
Ionised Chloride (Cl) < 0.0001%

Reference	Packaging	Size
BNZL-00A-1K0	glass bottle GL45	1 L

**Benzoic acid**

Benzenecarboxylic acid, Phenylformic acid

$C_7H_6O_2$   
MW : 122,12 \* CAS : 65-85-0 \* EC : 200-618-2


**Benzoic acid Analytical Grade ACS**

Assay >99%  
Melting point: 122-123°C  
Substances insoluble in methanol < 0.005%  
Sulphated ash < 0.005%  
Chloride (Cl) < 0.005%  
Chlorine compounds (Cl) < 0.01%

Sulphate (SO4) < 0.002%  
Iron (Fe) < 0.0002%  
Heavy metals (as Pb) < 0.0002%  
Substances reducing permanganate (O) < 0.01%

Reference	Packaging	Size
BNZA-00A-500	plastic bottle	500 g

**Benzyl alcohol**

$C_7H_8O$   
MW : 108,14 \* CAS : 100-51-6 \* EC : 202-859-9  
\* EC INDEX : 603-057-00-5


**Benzyl alcohol Analytical Grade**

Assay >99.0%  
Clarity of solution: passes test  
Color of solution: passes test  
Density (20°C) 1.043-1.048 g/ml  
Refractive index 1.538-1.541  
Sulphated ash < 0.005%  
Acidity < 0.5 ml N%  
Non-volatile matter > 0.05%

Free acids (as C7H6O2) < 0.01%  
Chlorine and organic bound chlorine (as Cl) < 0.01%  
Water < 0.1%  
Heavy metals (as Pb) < 0.0001%  
Iron (Fe) < 0.0001%  
Benzaldehyde < 0.1%  
Peroxide value < 5

Reference	Packaging	Size
BNZY-00A-1K0	glass bottle GL45	1 L

**Bismarck brown R, C.I. 21010**

Basic brown 4, Vesuvin

$C_{21}H_{24}N_8 \cdot 2HCl$   
MW : 461,4 \* CAS : 5421-66-9 \* EC : 226-541-4


**Bismarck brown R, C.I. 21010 for microscopy**

Absorption max. 468 nm

Reference	Packaging	Size
BISM-ROD-050	plastic bottle	50 g

**Biuret reagent**

**Biuret reagent Analytical Grade**

Description Blue colored solution  
Sensitivity: passes test

Reference	Packaging	Size
BIUR-00A-100	plastic bottle	100 ml

**Boric acid**

Orthoboric acid, Boracic acid

$H_3BO_3$   
MW : 61,84 \* CAS : 10043-35-3 \* EC : 233-139-2  
\* EC INDEX : 005-007-00-2


**Boric acid Analytical Grade ACS, BP**

Assay >99.5%  
Alcohol-insoluble matter < 0.005%  
Water-insoluble matter < 0.005%  
Non-esterifiable Impurities < 0.04%  
Chloride (Cl) < 0.0002%  
Phosphate (PO4) < 0.001%  
Sulphate (SO4) < 0.001%

Arsenic (As) < 0.0001%  
Calcium (Ca) < 0.001%  
Copper (Cu) < 0.0005%  
Iron (Fe) < 0.0002%  
Lead (Pb) < 0.0005%  
Magnesium (Mg) < 0.001%

Reference	Packaging	Size
BORA-00A-500	plastic bottle	500 g

**Boric acid Analytical Grade Ph.Eur.**

Content: 99.0 % - 100.5 %  
Appearance: White or almost white, crystalline powder, colourless.  
Identification: Conforms  
Appearance of solution: Conforms  
pH (3.3%): 3.8 - 4.8  
Solubility in ethanol (96 %): Passes test  
Organic matter: Passes test  
Sulfates : ≤ 450 ppm.  
Heavy metals : ≤ 15 ppm.

Reference	Packaging	Size
BORA-00P-1K0	plastic bottle	1 kg

## Boric acid, solution 4%

Orthoboric acid, Boracic acid



MW : 61,84 \* CAS : 10043-35-3 \* EC : 233-139-2  
\* EC INDEX : 005-007-00-2



### Boric acid, solution 4% Analytical Grade

40 g H3BO3 / L H2O  
(pH 3.9 - 4.3)

Reference	Packaging	Size
BORA-40A-5K0	plastic bottle	5 L

### Boric acid, solution 4% with mixed indicator Analytical Grade

Composition: 40 g H3BO3 + indicator / L H2O  
(pH 4.80 - 5.00) = Green

Reference	Packaging	Size
BORA-4IA-5K0	plastic bottle	5 L

## Brilliant green, C.I. 42040

Diamond green G, Ethyl green, Solid green



MW : 482,64 \* CAS : 633-03-4 \* EC : 211-190-1



### Brilliant green, C.I. 42040

Assay >95%  
Absorption (in ethanol 50%) max. 628-632nm

Reference	Packaging	Size
BRIL-00D-025	plastic bottle	25 g

## Bromocresol green

3,3',5,5'-Tetrabromo-m-cresolsulphonphthalein, BCG



MW : 698,04 \* CAS : 76-60-8 \* EC : 200-972-8

### Bromocresol green ACS

pH 3.6-5.4 yellow to blue  
Appearance of solution: conforms  
Loss on drying (110°C) < 5.0%  
Transition range (according to ACS): passes test  
Sensitivity: passes test

Reference	Packaging	Size
BRCR-G0D-001	glass bottle	1 g
BRCR-G0D-005	glass bottle	5 g

## Bromocresol green, solution 0.04%

3,3',5,5'-Tetrabromo-m-cresolsulphonphthalein, BCG



MW : 698,04

### Bromocresol green, solution 0.04%

pH 3.6-5.4 yellow to blue

Reference	Packaging	Size
BRCR-GSD-100	plastic bottle	100 ml

## Bromocresol purple

5',5''-dibromo-o-cresolsulphthalein, BCP



MW : 540,22 \* CAS : 115-40-2 \* EC : 204-087-8



### Bromocresol purple

pH 5.2-6.8 Yellow to purple  
Appearance of solution: conforms  
Loss on drying (110°C) < 1.0%  
Sensitivity test: passes test

Reference	Packaging	Size
BRCR-POD-005	glass bottle	5 g
BRCR-POD-025	glass bottle	25 g

## Bromophenol blue

3,3',5,5'-tetrabromophenolsulphonphthalein, BPB



MW : 669,96 \* CAS : 115-39-9 \* EC : 204-086-2



### Bromophenol blue ACS

pH 3.0-4.6 Yellow to Blue  
Appearance of solution: passes test  
Loss on drying (105°C) < 1.0%  
Transition range (according to ACS): passes test  
Sensitivity: passes test

Reference	Packaging	Size
BRPH-B0D-005	glass bottle	5 g
BRPH-B0D-025	plastic bottle	25 g

## Bromophenol blue, solution 0.04%

3,3',5,5'-tetrabromophenolsulphonphthalein, BPB



MW : 669,96



### Bromophenol blue, solution 0.04%

pH 3.0-4.6 Yellow to Blue

Reference	Packaging	Size
BRPH-BSD-100	plastic bottle	100 ml

## Bromothymol blue

3',3''-dibromothymolsulfonephthalein, BTB



MW : 624,4 \* CAS : 76-59-5 \* EC : 200-971-2

### Bromothymol blue ACS

pH 6.0-7.6 Yellow to Blue  
Appearance of solution: passes test  
Loss on drying (110°C) < 3.0%  
Transition range (according to ACS): passes test  
Sensitivity: passes test

Reference	Packaging	Size
BRTH-B0D-005	glass bottle	5 g
BRTH-B0D-025	plastic bottle	25 g

**Buffer solution pH 4.00 @ 20 °C (red)**
**Buffer solution pH 4.00 @ 20 °C (red)**

Description Clear pink liquid  
pH Value: 4.00 +/- 0.01 at 20 °C

Reference	Packaging	Size
PHBS-004-250	plastic bottle	250 ml
PHBW-004-500	plastic twin neck	500 ml
PHBW-004-1K0	plastic twin neck	1 L

**Buffer solution pH 7.00 @ 20 °C (yellow)**
**Buffer solution pH 7.00 @ 20 °C (yellow)**

Description Clear yellow liquid  
pH Value: 7.00 +/- 0.01 at 20 °C

Reference	Packaging	Size
PHBS-007-250	plastic bottle	250 ml
PHBW-007-500	plastic twin neck	500 ml
PHBW-007-1K0	plastic twin neck	1 L

**Buffer solution pH 10.00 @ 20 °C (blue)**
**Buffer solution pH 10.00 @ 20 °C (blue)**

Description Clear blue liquid  
pH Value: 10.00 +/- 0.01 at 20 °C

Reference	Packaging	Size
PHBS-010-250	plastic bottle	250 ml
PHBW-010-500	plastic twin neck	500 ml
PHBW-010-1K0	plastic twin neck	1 L

**1-Butanol**

n-Butanol

$\text{CH}_3(\text{CH}_2)_3\text{OH}$  MW : 74,12 \* CAS : 71-36-3 \* EC : 200-751-6  
\* EC INDEX : 603-004-00-6

UN 1120 \* ADR : 3 F1 III UN 1120 \* IMDG : 3 III UN 1120 \* IATA : 3 III UN 1120


**1-Butanol 99.5% Analytical Grade**

Assay >99.5% Aldehydes and ketones < 0.015%  
Density (20 °C) 0.808-0.81 g/ml Copper (Cu) < 0.001%  
Refractive index 1.399-1.400 Iron (Fe) < 0.0002%  
Water-insoluble matter: passes test Lead (Pb) < 0.0001%  
Water < 0.1%  
Acidity (CH<sub>3</sub>COOH) < 0.003%  
Non-volatile matter < 0.003%

Reference	Packaging	Size
BUTL-10A-1K0	glass bottle GL45	1 L
BUTL-10A-2K5	glass bottle GL45	2,5 L

**2-Butanol**

Butan-2-ol

$\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{CH}_3$  MW : 74,12 \* CAS : 78-92-2 \* EC : 201-158-5  
\* EC INDEX : 603-127-00-5

UN 1120 \* ADR : 3 F1 III UN 1120 \* IMDG : 3 III UN 1120 \* IATA : 3 III UN 1120


**2-Butanol 99.5% Analytical Grade**

Assay >99.5% Calcium (Ca) < 0.00005%  
Colour max. 10 Hazen Unit Chromium (Cr) < 0.000002%  
Water < 0.2% Sodium (Na) < 0.00005%  
Acidity (CH<sub>3</sub>COOH) < 0.003% Cobalt (Co) < 0.000002%  
Alkalinity < 0.02 ml N% Copper (Cu) < 0.000002%  
Non-volatile matter < 0.001% Iron (Fe) < 0.00001%  
Butanone (CH<sub>3</sub>CH<sub>2</sub>COCH<sub>3</sub>) < 0.1% Lead (Pb) < 0.000005%  
Di-n-butyl ether < 0.2% Magnesium (Mg) < 0.000005%  
Potassium(K) < 0.00001% Manganese (Mn) < 0.000002%  
2-Methylpropan-2-ol [(CH<sub>3</sub>)<sub>3</sub>COH] < 0.1% Nickel (Ni) < 0.000002%  
Propan-2-ol [(CH<sub>3</sub>)<sub>2</sub>CHOH] < 0.2% Tin (Sn) < 0.00001%  
Aluminium (Al) < 0.00005% Zinc (Zn) < 0.00001%  
Barium (Ba) < 0.00001%  
Cadmium (Cd) < 0.000005%

Reference	Packaging	Size
BUTL-20A-1K0	glass bottle GL45	1 L

**tert-Butanol**

$(\text{CH}_3)_3\text{COH}$  MW : 74,12 \* CAS : 75-65-0 \* EC : 200-889-7  
\* EC INDEX : 603-005-00-1

UN 1120 \* ADR : 3 F1 III UN 1120 \* IMDG : 3 III UN 1120 \* IATA : 3 III UN 1120


**tert-Butanol 99% Analytical Grade**

Assay >90.0% Aldehydes and ketones (C<sub>3</sub>H<sub>7</sub>CHO) < 0.01%  
Density (30 °C) 0.773-0.778 g/ml Butan-2-ol [C<sub>4</sub>H<sub>9</sub>(OH)] < 0.2%  
Freezing point > 25 °C Copper (Cu) < 0.00005%  
Refractive index 1.384-1.386 Iron (Fe) < 0.00005%  
Water < 0.5% Lead (Pb) < 0.00005%  
Acidity (CH<sub>3</sub>COOH) < 0.003%  
Non-volatile matter < 0.001%

Reference	Packaging	Size
BUTL-T0A-1K0	glass bottle GL45	1 L

**n-Butyl acetate**

$\text{C}_6\text{H}_{12}\text{O}_2$  MW : 116,16 \* CAS : 123-86-4 \* EC : 204-658-1  
\* EC INDEX : 603-005-00-1

UN 1123 \* ADR : 3 F1 III UN 1123 \* IMDG : 3 III UN 1123 \* IATA : 3 III UN 1123


**n-Butyl acetate 99% Extra Pure**

Assay >99.0% Identity: passes test  
Density (20 °C) 0.879-0.881 g/ml  
Free acid (as CH<sub>3</sub>COOH) < 0.02%  
n-Butanol < 1.5%  
Water < 0.2%

Reference	Packaging	Size
BUTY-N0T-1K0	glass bottle GL45	1 L
BUTY-N0T-2K5	glass bottle GL45	2,5 L

**Calcium carbonate**

$\text{CaCO}_3$  MW : 100,09 \* CAS : 471-34-1 \* EC : 207-439-9

**Calcium carbonate precipitated Analytical Grade Ph.Eur., USP**

Assay >99.0% Chloride (Cl) < 0.005%  
Sulphate (SO<sub>4</sub>) < 0.02%  
Heavy metals (Pb) < 0.001%  
Iron (Fe) < 0.02%  
Arsenic (As) < 0.0003%

Reference	Packaging	Size
CACB-00A-500	plastic bottle	500 g

**Calcium chloride anhydrous**
 $\text{CaCl}_2$  MW : 110,98 \* CAS : 10043-52-4 \* EC : 233-140-8

**Calcium chloride anhydrous GLR**

Assay >90 %  
 Iron < 5 ppm  
 Magnesium < 0,05 %  
 Sulfate 0,05 %

Reference	Packaging	Size
CACH-AOP-1K0	plastic bottle	1 kg

**Calcium chloride dihydrate**
 $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$  MW : 147,02 \* CAS : 10035-04-8 \* EC : 233-140-8  
 \* EC INDEX : 017-013-00-2

**Calcium chloride dihydrate Analytical Grade ACS**

Assay >99.5%  
 pH (5% water) 4-8  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Total nitrogen (N) < 0.002%  
 Heavy metal (as Pb) < 0.0005%  
 Barium (Ba) < 0.003%  
 Iron (Fe) < 0.0003%  
 Potassium (K) < 0.01%

Copper (Cu) < 0.0005%  
 Magnesium (Mg) < 0.005%  
 Sodium (Na) < 0.01%  
 Strontium (Sr) < 0.05%  
 Insoluble ammonium hydroxide precipitate < 0.01%  
 Oxidizing substances (as NO<sub>3</sub>) < 0.003%

Reference	Packaging	Size
CACH-02A-500	plastic bottle	500 g

**Calcium hydroxyde**

Slaked lime

 $\text{Ca}(\text{OH})_2$  MW : 74,09 \* CAS : 1305-62-0 \* EC : 215-137-3

**Calcium hydroxyde Analytical Grade Ph.Eur., USP, BP**

Assay >96%  
 Calcium carbonate (as CaCO<sub>3</sub>) < 3%  
 Substances insoluble in Hydrochloric acid < 0.1%  
 Chloride (Cl) < 0.03%

Sulphate (SO<sub>4</sub>) < 0.1%  
 Heavy metals (as Pb) < 0.05%  
 Iron(Fe) < 0.05%  
 Substances not precipitated by ammonium oxalate (as SO<sub>4</sub>) < 2.5%

Reference	Packaging	Size
CAHY-90A-500	plastic bottle	500 g

**Calcium nitrate tetrahydrate**
 $\text{CaN}_2\text{O}_6 \cdot 4\text{H}_2\text{O}$  MW : 236,15 \* CAS : 13477-34-4 \* EC : 233-332-1

UN 1454 \* ADR : 5.1 O2 III UN 1454 \* IMDG : 5.1 III UN 1454 \* IATA : 5.1 III UN 1454


**Calcium nitrate tetrahydrate Analytical Grade ACS**

Assay >99%  
 Insoluble matter < 0.003%  
 Acidity (HNO<sub>3</sub>) < 0.013%  
 Chloride (Cl) < 0.002%  
 Phosphate (PO<sub>4</sub>) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Barium (Ba) < 0.01%

Copper (Cu) < 0.001%  
 Iron (Fe) < 0.0005%  
 Lead (Pb) < 0.001%  
 Magnesium (Mg) < 0.015%  
 Potassium (K) < 0.005%  
 Sodium (Na) < 0.02%  
 Strontium (Sr) < 0.01%

Reference	Packaging	Size
CANA-04A-500	plastic bottle	500 g

**Calcium sulfate dihydrate**
 $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$  MW : 172,17 \* CAS : 10101-41-4 \* EC : 231-900-3

**Calcium sulfate dihydrate Analytical Grade ACS**

Assay >99%  
 Substances insoluble in HCl < 0.01%  
 Free acid (as H<sub>2</sub>SO<sub>4</sub>) < 0.01%  
 Free alkali (as Ca(OH)<sub>2</sub>) < 0.01%  
 Chloride (Cl) < 0.005%  
 Total nitrogen (N) < 0.001%

Iron (Fe) < 0.001%  
 Heavy metals (as Pb) < 0.002%  
 Potassium (K) < 0.01%  
 Magnesium (Mg) < 0.01%  
 Sodium (Na) < 0.1%

Reference	Packaging	Size
CASU-02A-500	plastic bottle	500 g

**Calcon (Eriochrome blue-black R), C.I. 15705**

2-Hydroxy-1-(2-hydroxy-1-naphthylazo)naphthalene-4-sulfonic acid sodium salt , Mordant Black 17

 $\text{C}_{20}\text{H}_{13}\text{N}_2\text{NaO}_5\text{S}$  MW : 416.39 \* CAS : 2538-85-4 \* EC : 219-810-2

**Calcon (Eriochrome blue-black R), C.I. 15705**

Identity (UV/VIS spectrum) : passes test  
 Absorption max. Lambda max (buffer pH 12.2) 632-636 nm  
 Specific absorptivity A<sub>1</sub> 1 cm 200-300 nm  
 Loss on drying (110°C) < 10%  
 Suitability as indicator for metal titration : passes test

Reference	Packaging	Size
ERIO-B0D-050	plastic bottle	50 g

**Carmin, C.I. 75470**

Alum lacquer of carminic acid

 $\text{C}_{44}\text{H}_{37}\text{AlCaO}_{27} \cdot 3\text{H}_2\text{O}$  MW : 492,38 \* CAS : 1390-65-4 \* EC : 215-724-8

**Carmin, C.I. 75470 for microscopy**

λ<sub>1</sub> max. abs in DMSO 563-571 nm  
 λ<sub>2</sub> max. abs in DMSO 525-533 nm  
 A<sub>1</sub>%, 1 cm, λ<sub>1</sub> max. > 70.0%  
 A<sub>2</sub>%, 1 cm, λ<sub>2</sub> max. > 100.0%  
 Loss on drying at 110°C < 15.0%

Reference	Packaging	Size
CARM-00D-025	glass bottle	25 g

**Charcoal activated, powder**

C MW : 12,01 \* CAS : 7440-44-0 \* EC : 231-153-3

**Charcoal activated, powder Analytical Grade**

Substances soluble in ethanol < 0.2%  
 Substances soluble in HCl < 1.0%  
 Chloride (Cl) < 0.01%  
 Sulphate (SO<sub>4</sub>) < 0.01%  
 Heavy metals (as Pb) < 0.005%  
 Iron (Fe) < 150 ppm  
 Loss on drying (120 °C) < 8%  
 pH value 6.5 to 7.5  
 Methylene blue value 210

Reference	Packaging	Size
CHAR-PWA-500	plastic bottle	500 g

**Chloroform stabilized with amylene**

Trichloromethane, Formyl trichloride

 $\text{CCl}_3\text{H}$ 

 MW : 119,38 \* CAS : 67-66-3 \* EC : 200-663-8  
 \* EC INDEX : 602-006-00-4

UN 1888 \* ADR : 6.1 T1 III UN 1888 \* IMDG : 6.1 III UN 1888 \* IATA : 6.1 III UN 1888


**Chloroform Analytical Grade stabilized with amylene**

Assay >99.8%  
 Density (20°C) 1.474-1.479 g/ml  
 Refractive index 1.444-1.445  
 Water < 0.05%  
 Acidity (HCl) < 0.0005%  
 Non-volatile matter < 0.0005%  
 Ionized chloride (Cl) < 0.00002%

Free chlorine (Cl) < 0.005%  
 Metallic impurities: non reaction  
 Aldehydes and ketones (CH<sub>3</sub>CHO) < 0.005%  
 Organic impurities: passes test  
 Preservative added

Reference	Packaging	Size
CHLF-S0A-1K0	glass bottle GL45	1 L
CHLF-S0A-2K5	glass bottle GL45	2,5 L

**Chloroform Extra Pure stabilized with amylene**

Assay >99.5%  
 Density (20°C) 1.474-1.480 g/ml  
 Acidity < 0.01 ml N%  
 Non volatile matter < 0.002%

Reference	Packaging	Size
CHLF-S0T-1K0	glass bottle GL45	1 L
CHLF-S0T-2K5	glass bottle GL45	2,5 L
CHLF-S0T-5K0	aluminium container	5 L

**Chloroform (stabilized with amylene) 99.9% GLR**

Assay ≥ 99.9%  
 Color (Hazen) ≤ 25  
 Water ≤ 100 ppm  
 Acidity (HCl) ≤ 5 ppm  
 Free halogens (Cl) ≤ 1 ppm  
 Non volatile residue ≤ 10 ppm  
 Density (20 °C) 1,478 – 1,492  
 Amylene (Stabilizer) 45-55 ppm

Reference	Packaging	Size
CHLF-GOP-1K0	glass bottle	1 L
CHLF-MOP-5K0	metal can	5 L
CHLF-POP-10K	plastic bottle	10 L
CHLF-MOP-25K	metal can	25 L

**Chlorophenol red**

3',3"-Dichlorophenolsulfonphthalein

 $\text{C}_{19}\text{H}_{12}\text{Cl}_2\text{O}_3\text{S}$ 

MW : 423,27 \* CAS : 4430-20-0 \* EC : 224-619-2


**Chlorophenol red ACS**

pH 4.8-6.4 yellow to purple  
 Absorption max., NaOH 0.1 mol/l 572-575 nm  
 Solubility 0.1% (EtOH): clear solution  
 A1%, 1cm, lambda max. <1000  
 Loss on drying < 8%

Reference	Packaging	Size
CHPH-R0D-005	glass bottle	5 g

**Citric acid anhydrous**
 $\text{C}_6\text{H}_8\text{O}_7$ 

MW : 192,13 \* CAS : 77-92-9


**Citric acid anhydrous Analytical Grade Ph.Eur.**

Assay 99.5 % to 100.5 % (anhydrous substance)  
 Identification: Conforms  
 Appearance of solution: passes test  
 Readily carbonisable substances: Passes test  
 Oxalic acid: ≤ 360 ppm

Sulfates : ≤ 150 ppm  
 Aluminium : ≤ 0.2 ppm  
 Heavy metals : ≤ 10 ppm  
 Water : ≤ 1.0 %  
 Sulfated ash : ≤ 0.1 %

Reference	Packaging	Size
CITA-A0A-1K0	plastic bottle	1 kg
CITA-A0A-5K0	plastic bottle	5 kg

**Citric acid monohydrate**

2-Hydroxy-1,2,3-propanetricarboxylic acid monohydrate

 $\text{C}_6\text{H}_{10}\text{O}_7 \cdot \text{H}_2\text{O}$ 

MW : 210,14 \* CAS : 5949-29-1 \* EC : 201-069-1


**Citric acid monohydrate Analytical Grade ACS**

Assay >99.5%  
 Residue on ignition (800°C) < 0.01%  
 Chloride (Cl) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Oxalate (C<sub>2</sub>O<sub>4</sub>) < 0.05%

Reaction against H<sub>2</sub>SO<sub>4</sub>: passes test  
 Heavy Metals (as Pb) < 0.0005%  
 Iron (Fe) < 0.0003%  
 Phosphate (PO<sub>4</sub>) < 0.001%

Reference	Packaging	Size
CITA-01A-500	plastic bottle	500 g

**Citric acid monohydrate Analytical Grade Ph.Eur.**

Assay 99.5 % to 100.5 % (anhydrous substance)  
 Identification: Conforms  
 Appearance of solution: passes test  
 Readily carbonisable substances: Passes test  
 Oxalic acid: ≤ 360 ppm

Sulfates : ≤ 150 ppm  
 Aluminium : ≤ 0.2 ppm  
 Heavy metals : ≤ 10 ppm  
 Water : 7.5 - 9.0 %  
 Sulfated ash : ≤ 0.1 %

Reference	Packaging	Size
CITA-01P-1K0	plastic bottle	1 kg
CITA-01P-5K0	plastic bottle	5 kg

**Cobalt (II) chloride hexahydrate**
 $\text{Cl}_2\text{Co} \cdot 6\text{H}_2\text{O}$ 

 MW : 237,93 \* CAS : 7791-13-1 \* EC : 231-589-4  
 \* EC INDEX : 027-004-00-5

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077


**Cobalt (II) chloride hexahydrate Analytical Grade ACS**

Assay >99%  
 Insoluble matter < 0.003%  
 Reaction > pH 3.0  
 Nitrogen compounds (N) < 0.003%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Calcium (Ca) < 0.005%  
 Copper (Cu) < 0.001%  
 Iron (Fe) < 0.003%

Lead (Pb) < 0.002%  
 Magnesium (Mg) < 0.002%  
 Manganese (Mn) < 0.003%  
 Nickel (Ni) < 0.01%  
 Potassium (K) < 0.005%  
 Sodium (Na) < 0.01%  
 Zinc (Zn) < 0.002%

Reference	Packaging	Size
COCH-06A-250	plastic bottle	250 g

**Cobalt (II) nitrate hexahydrate**

$\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$  MW : 291,04 \* CAS : 10026-22-9 \* EC : 233-402-1  
 \* EC INDEX : 027-009-00-2

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077


**Cobalt (II) nitrate hexahydrate Analytical Grade ACS**

Assay >99%  
 Insoluble matter < 0.003%  
 Reaction > pH 2.5  
 Chloride (Cl) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Ammonium (NH<sub>4</sub>) < 0.05%  
 Calcium (Ca) < 0.005%  
 Copper (Cu) < 0.001%  
 Iron (Fe) < 0.002%  
 Lead (Pb) < 0.001%  
 Magnesium (Mg) < 0.002%  
 Manganese (Mn) < 0.002%  
 Nickel (Ni) < 0.01%  
 Potassium (K) < 0.003%  
 Sodium (Na) < 0.05%  
 Zinc (Zn) < 0.005%

Reference	Packaging	Size
CONA-06A-250	plastic bottle	250 g

**Conductivity standards**
**Conductivity solution 111,8 mS (25 °C) / 102,1 mS (20 °C)**

Conductivity: 12,88 mS/cm (25 °C) / 11,67 mS/cm (20 °C) +/- 1%

Reference	Packaging	Size
COSS-111-500	plastic bottle	500 ml

**Conductivity solution 12,88 mS (25 °C) / 11,67 mS (20 °C)**

Conductivity: 12,88 mS/cm (25 °C) / 11,67 mS/cm (20 °C) +/- 1%

Reference	Packaging	Size
COSS-012-500	plastic bottle	500 ml

**Conductivity solution 1413 µS (25 °C) / 1.278 µS (20 °C)**

Conductivity: 1413 µS/cm (25 °C) / 1.278 µS/cm (20 °C) +/- 1%

Reference	Packaging	Size
COSS-1K4-500	plastic bottle	500 ml

**Congo red, C.I. 22120**

$\text{C}_{12}\text{H}_{22}\text{N}_6\text{Na}_2\text{O}_5\text{S}_2$  MW : 696,65 \* CAS : 573-58-0 \* EC : 209-358-4  
 \* EC INDEX : 611-027-00-8

UN 2811 \* ADR : 6.1 T2 III UN 2811 \* IMDG : 6.1 III UN 2811 \* IATA : 6.1 III UN 2811


**Congo red, C.I. 22120 Ph. Eur.**

pH 3.0-5.2 blue-violet to red orange  
 $\lambda_{1\text{max}}$ , ABS at pH 3.0 563-568 nm  
 $\lambda_{2\text{max}}$ , ABS at pH 5.2 484-500 nm  
 $A_{1\%}^1$ , 1 cm,  $\lambda_{1\text{max}}$  (calc.a.d.s.) > 150.0  
 $A_{1\%}^1$ , 1 cm,  $\lambda_{2\text{max}}$  (calc.a.d.s.) > 200.0  
 Loss on drying at 110°C < 5.0%

Reference	Packaging	Size
CONG-R0D-025	plastic bottle	25 g

**Copper (II) chloride dihydrate**

Copper dichloride dihydrate

$\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$  MW : 170,48 \* CAS : 10125-13-0 \* EC : 231-210-2

UN 2802 \* ADR : 8 C2 III UN 2802 \* IMDG : 8 III UN 2802 \* IATA : 8 III UN 2802


**Copper (II) chloride dihydrate Analytical Grade ACS**

Assay >99%  
 Insoluble matter < 0.003%  
 pH of aqueous solution (5% in CO<sub>2</sub> free water) 3.0-3.8  
 Nitrogen compounds (N) < 0.004%  
 Sulphate (SO<sub>4</sub>) < 0.01%  
 Arsenic (As) < 0.0002%  
 Calcium (Ca) < 0.01%  
 Iron (Fe) < 0.002%  
 Lead (Pb) < 0.005%  
 Nickel (Ni) < 0.001%  
 Sodium (Na) < 0.005%

Reference	Packaging	Size
CUCH-02A-100	plastic bottle	100 g

**Copper (II) nitrate trihydrate**

$\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$  MW : 241.60 \* CAS : 10031-43-3 \* EC : 221-838-5

UN 1477 \* ADR : 5.1 O2 II UN 1477 \* IMDG : 5.1 II UN 1477 \* IATA : 5.1 II UN 1477


**Copper (II) nitrate trihydrate Analytical Grade ACS**

Assay >99.5%  
 Chloride (Cl) < 0.0005%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Lead (Pb) < 0.001%  
 Nickel (Ni) < 0.001%  
 Iron (Fe) < 0.002%  
 Zinc (Zn) < 0.001%  
 Calcium (Ca) < 0.005%  
 Sodium (Na) < 0.01%  
 Potassium (K) < 0.01%

Reference	Packaging	Size
CUNA-03A-500	plastic bottle	500 g

**Copper (II) oxide**

Copper monoxide

$\text{CuO}$  MW : 79.55 \* CAS : 1317-38-0 \* EC : 215-269-1

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077


**Copper (II) oxide Analytical Grade ACS**

Assay >99%  
 Substances insoluble in HNO<sub>3</sub> < 0.02%  
 Free alkali: passes test  
 Chloride (Cl) < 0.005%  
 Total sulphur (as SO<sub>4</sub>) < 0.01%  
 Total nitrogen (N) < 0.002%  
 Lead (Pb) < 0.05%  
 Iron (Fe) < 0.05%  
 Substances not precipitated by H<sub>2</sub>S (as sulphate) < 0.2%

Reference	Packaging	Size
CUOX-00A-500	plastic bottle	500 g

**Copper (II) oxide 96% Extra Pure**

Assay >95.0%  
 Volatile matter < 0.5%  
 Metallic Impurities < 0.5%

Reference	Packaging	Size
CUOX-00T-500	plastic bottle	500 g

**Copper (II) sulfate anhydrous**

Copper monosulfate anhydrous, Copper vitriol anhydrous

 $\text{CuSO}_4$  MW : 159,61 \* CAS : 7758-98-7 \* EC : 231-847-6  
 \* EC INDEX : 029-004-00-0

UN 3288 \* ADR : 6.1 T5 III UN 3288 \* IMDG : 6.1 III UN 3288 \* IATA : 6.1 III UN 3288


**Copper (II) sulfate anhydrous Analytical Grade**

Assay >99%  
 Loss on drying (250°C) < 0.5%  
 Chloride (Cl) < 0.002%  
 Nitrogen compounds (N) < 0.005%  
 Iron (Fe) < 0.005%

Lead (Pb) < 0.005%  
 Nickel (Ni) < 0.005%  
 Zinc (Zn) < 0.02%  
 Substances not precipitated by H<sub>2</sub>S (as SO<sub>4</sub>) < 0.2%

Reference	Packaging	Size
CUSU-A0A-250	plastic bottle	250 g

**Copper (II) sulfate pentahydrate**

Cupric sulfate pentahydrate

 $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  MW : 249,68 \* CAS : 7758-99-8 \* EC : 231-847-6  
 \* EC INDEX : 029-004-00-0

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077


**Copper (II) sulfate pentahydrate Analytical Grade ACS**

Assay >99%  
 Chloride (Cl) < 0.001%  
 Total nitrogen (N) < 0.001%  
 Lead (Pb) < 0.005%  
 Nickel (Ni) < 0.005%  
 Iron (Fe) < 0.003%  
 Zinc (Zn) < 0.03%  
 Calcium (Ca) < 0.005%  
 Sodium (Na) < 0.005%  
 Potassium (K) < 0.001%

Reference	Packaging	Size
CUSU-05A-500	plastic bottle	500 g

**Copper (II) sulfate pentahydrate Extra Pure**

Assay 98.5-101%  
 Chloride (Cl) < 0.005%  
 Iron (Fe) < 0.05%  
 Potassium (K) < 0.005%  
 Sodium (Na) < 0.01%

Reference	Packaging	Size
CUSU-05T-500	plastic bottle	500 g

**Cresol red**
 $\text{C}_{21}\text{H}_{18}\text{O}_3\text{S}$  MW : 382,44 \* CAS : 1733-12-6 \* EC : 217-064-2

**Cresol red Analytical Grade**

Acid range pH 1.2-2.8 red to yellow  
 Alkaline range pH 7-8.8 yellow to purple  
 Loss on drying (110°C) < 5.0%

Reference	Packaging	Size
CRES-ROD-025	glass bottle	25 g

**Crystal violet, C.I. 42535+42555**

Gentian violet

 $\text{C}_{25}\text{H}_{30}\text{ClN}_3$  MW : 407,99 \* CAS : 548-62-9 \* EC : 208-953-6  
 \* EC INDEX : 612-204-00-2

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077


**Crystal violet, C.I. 42535+42555 for microscopy ACS, USP, BP**

Assay 96.0-100.5%  
 Identification test: to pass A, B & C tests  
 Water < 7.5%  
 Residue on ignition < 1.5%  
 Alcohol-insoluble substances < 1.0%  
 Arsenic < 0.001%  
 Lead < 0.003%  
 Zinc: passes test  
 Chromatographic purity: passes test

Reference	Packaging	Size
GENT-V0D-025	plastic bottle	25 g

**Cyclohexane**
 $\text{C}_6\text{H}_{12}$  MW : 84.16 \* CAS : 110-82-7 \* EC : 203-806-2  
 \* EC INDEX : 601-017-00-1

UN 1145 \* ADR : 3 II UN1145 \* IMDG : 3 II UN1145 \* IATA : 3 II UN1145


**Cyclohexane HPLC Grade**

Assay > 99,5%  
 H<sub>2</sub>O < 100ppm  
 Acidity < 0.0005 meq/g  
 Non volatile residue < 0.0005%  
 T210nm > 60%  
 T220nm > 80%  
 T230nm > 95%  
 T240nm > 98%  
 T250nm > 99%

Reference	Packaging	Size
CYHX-00H-2K5	glass bottle GL45	2,5 L

**Cyclohexane Analytical Grade**

Assay > 99,5%  
 Non volatile residue < 0.001%  
 H<sub>2</sub>O < 0.01%  
 Free acid < 0.001%  
 Al < 0.00005%  
 B < 0.000002%  
 Ba < 0.00001%  
 Ca < 0.00005%  
 Cd < 0.000005%  
 Co < 0.000002%  
 Cr < 0.000002%  
 Cu < 0.000002%  
 Fe < 0.00001%  
 Mg < 0.00001%  
 Mn < 0.000002%  
 Ni < 0.000002%  
 Pb < 0.00001%  
 Sn < 0.00001%  
 Zn < 0.00001%  
 Aromatics < 0.05%  
 Cyclohexene < 0.05%

Reference	Packaging	Size
CYHX-00A-1K0	glass bottle GL45	1 L
CYHX-00A-2K5	glass bottle GL45	2,5 L

**Cyclohexanol**
 $\text{C}_6\text{H}_{12}\text{O}$  MW : 100,16 \* CAS : 108-93-0 \* EC : 203-630-6  
 \* EC INDEX : 603-009-00-3

**Cyclohexanol Analytical Grade**

Assay >99.5%  
 Density (20°C) about 0.95 g/ml  
 Freezing point 20-22°C  
 Refractive index 1.465-1.467  
 Cyclohexanone < 0.5%

Reference	Packaging	Size
CYHL-00A-1K0	plastic bottle GL45	1 L

### Cyclohexanone

$C_6H_{10}O$  MW : 98,15 \* CAS : 108-94-1 \* EC : 203-631-1  
\* EC INDEX : 606-010-00-7

UN 1915 \* ADR : 3 F1 III UN 1915 \* IMDG : 3 III UN 1915 \* IATA : 3 III UN 1915



#### Cyclohexanone Analytical Grade

Assay >99.5%  
Refractive index 1.450-1.451  
Density (20°C) 0.945-0.947 g/ml  
Water < 0.2%  
Non-volatile matter < 0.02%  
Acidity (CH<sub>3</sub>COOH) < 0.02%

Cyclohexane (C<sub>6</sub>H<sub>12</sub>) < 0.001%  
Cyclohexanol (C<sub>6</sub>H<sub>12</sub>O) < 0.2%  
Copper (Cu) < 0.00005%  
Iron (Fe) < 0.0001%  
Lead (Pb) < 0.00005%

Reference	Packaging	Size
CYHN-00A-1K0	glass bottle GL45	1 L

### Dichloromethane

Methylene Chloride, Methylene Dichloride

$CH_2Cl_2$  MW : 84,93 \* CAS : 75-09-2 \* EC : 200-838-9  
\* EC INDEX : 602-004-00-3

UN 1593 \* ADR : 6.1 III UN 1593 \* IMDG : 6.1 III UN 1593 \* IATA : 6.1 III UN 1593



#### Dichloromethane Analytical Grade stabilized with amylene ACS, ISO, Ph. Eur.

Assay >99.8%  
(Stabilized with Amylene)  
Non volatile residue<0.001%  
H<sub>2</sub>O<0.01%  
Free acid <0.001%  
Al<0.00005%  
B<0.000002%  
Ba<0.00001%  
Ca<0.00005%  
Cd<0.000005%  
Co<0.000002%  
Cr<0.000002%  
Cu<0.000002%

Fe<0.00001%  
Mg<0.00001%  
Mn<0.000002%  
Ni<0.000002%  
Pb<0.00001%  
Sn<0.00001%  
Zn<0.00001%  
Cl<0.00005%  
F Cl<0.00002%  
Chloroform<0.01%  
Formaldehyde<0.0005%  
Tetrachloromethane<0.01%

Reference	Packaging	Size
DCHM-00I-1K0	glass bottle GL45	1 L
DCHM-00I-2K5	glass bottle GL45	2,5 L

#### Dichloromethane Analytical Grade stabilized with amylene ACS, Ph. Eur.

Assay >99.5%  
Appearance: passes test  
Color (APHA) < 10  
Density (20°C) 1.323-1.325 g/ml  
Copper (Cu) < 0.000001%  
Refractive index 1.424-1.425  
Water (H<sub>2</sub>O) < 0.02%  
Acidity (HCl) < 0.001%

Iron (Fe) < 0.0001%  
Non-volatile matter < 0.001%  
Free chlorine (Cl) < 0.0001%  
Formaldehyde (HCHO) < 0.0001%  
Lead (Pb) < 0.0001%

Reference	Packaging	Size
DCHM-00A-2K5	glass bottle GL45	2,5 L
DCHM-00A-1K0	glass bottle GL45	1 L

#### Dichloromethane Extra Pure stabilized with amylene

Assay >98%  
Density (20 °C) 1.323-1.327 g/ml  
Refractive index 1.4235-1.4250

Reference	Packaging	Size
DCHM-00T-2K5	plastic bottle GL45	2,5 L
DCHM-00T-5K0	aluminium container	5 L

### Dichloromethane (stabilized with Amylene) 99.9 % GLR

Assay ≥99,9%  
Color (Hazen) ≤ 5  
Water ≤ 100 ppm  
Acidity (HCl) ≤ 2 ppm  
Free halogens (Cl) Passes test

Non volatile residue ≤ 10 ppm  
Other halogenated hydrocarbons ≤ 200 ppm  
Amylene (Stabilizer) 45-55 ppm

Reference	Packaging	Size
DCHM-GOP-1K0	glass bottle	1 L
DCHM-MOP-5K0	metal can	5 L
DCHM-POP-10K	plastic bottle	10 L
DCHM-MOP-25K	metal can	25 L

### Diethanolamine

$[CH_2(OH)CH_2]_2NH$  MW : 105,14 \* CAS : 111-42-2 \* EC : 203-868-0  
\* EC INDEX : 603-071-00-1



#### Diethanolamine 99% Analytical Grade

Assay >99.0%  
Refractive index 1.477-1.478  
Density (20°C) 1.095-1.097 g/ml  
Sulphated ash < 0.01%  
Water < 0.2%  
Magnesium (Mg) < 0.0001%  
Triethanolamine < 1.0%  
Ethanolamine < 0.5%

Chloride < 0.0005%  
Cadmium (Cd) < 0.0001%  
Manganese (Mn) < 0.0001%  
Cobalt (Co) < 0.0001%  
Copper < 0.0001%  
Iron (Fe) < 0.0001%  
Lead (Pb) < 0.0001%  
Nickel (Ni) < 0.0001%

Reference	Packaging	Size
DETA-00A-1K0	glass bottle GL45	1 L

### Diethylether

1,1'-Oxibisethane, Diethyl Ether, Ethoxyethane, Ethyl Ether, Ethyl Oxide, Sulphuric Ether

$(C_2H_5)_2O$  MW : 74,12 \* CAS : 60-29-7 \* EC : 200-467-2  
\* EC INDEX : 603-022-00-4

UN 1155 \* ADR : 3 F1 I UN 1155 \* IMDG : 3 I UN 1155 \* IATA : 3 I UN 1155



#### Diethylether Analytical Grade ACS, ISO, estabilized with BHT

Assay >99.5%  
Non volatile residue<0.001%  
H<sub>2</sub>O<0.0002%  
Free acid <0.0002%  
Al<0.00005%  
B<0.000002%  
Ba<0.00001%  
Ca<0.00005%  
Cd<0.000005%  
Co<0.000002%  
Cr<0.000002%  
Cu<0.000002%  
Fe<0.000005%

Mg<0.00001%  
Mn<0.000002%  
Ni<0.000002%  
Pb<0.000005%  
Sn<0.00001%  
Zn<0.000005%  
Acetone<0.005%  
Aldehydes<0.00007%  
CO<0.001%  
Ethanol<0.02%  
Methanol<0.02%  
Peroxides<0.0003%  
S<0.00006%

Reference	Packaging	Size
DETE-0AI-1K0	glass bottle GL45	1 L
DETE-0AI-5K0	aluminium container	5 L

#### Diethylether Analytical Grade stabilized with <0.002% hydroquinone ACS, USP, Ph. Eur.

Assay >99.0%  
Density (20°C) 0.713-0.715 g/ml  
Refractive index 1.351-1.353  
Water-insoluble matter Nil  
Water < 0.2%  
Acidity (as CH<sub>3</sub>COOH) < 0.001%  
Non-volatile matter < 0.0005%

Aldehydes and ketones (CH<sub>3</sub>CHO) < 0.002%  
Ethanol (C<sub>2</sub>H<sub>5</sub>OH) < 0.05%  
Ether peroxide (C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>O<sub>2</sub> < 0.000015%  
Odorous impurities: passes test  
Substances darkened by sulphuric acid: passes test

Reference	Packaging	Size
DETE-00A-1K0	glass bottle GL45	1 L
DETE-00A-2K5	glass bottle GL45	2,5 L



**Diethylether Extra Pure stabilized with <0.002% hydroquinone**

Assay >98.0%  
 Density (20 °C) 0.713-0.717 g/ml  
 Non-volatile matter < 0.002%  
 Peroxide < 0.001%  
 Water < 0.5%

Reference	Packaging	Size
DETE-00T-1K0	glass bottle GL45	1 L
DETE-00T-2K5	glass bottle GL45	2,5 L
DETE-00T-5K0	aluminium container	5 L

**Dimethyl sulfoxide**

(CH<sub>3</sub>)<sub>2</sub>SO MW : 78,13 \* CAS : 67-68-5 \* EC : 200-664-3

**Dimethyl sulfoxide Analytical Grade ACS**

Assay >99.9%  
 Non volatile residue<0.001%  
 H<sub>2</sub>O<0.1%  
 Free acid <0.0002%  
 Fe<0.0001%  
 Heavy metals as Pb<0.0001%

Reference	Packaging	Size
DMSO-00A-1k0	glass bottle GL45	1 L
DMSO-00A-2K5	glass bottle GL45	2,5 L

**N,N-Dimethylformamide**

Formic Acid Dimethylamide, DMF

(CH<sub>3</sub>)<sub>2</sub>NCHO MW : 73,09 \* CAS : 68-12-2 \* EC : 200-679-5  
 \* EC INDEX : 616-001-00-X

UN 2265 \* ADR : 3 F1 III UN 2265 \* IMDG : 3 III UN 2265 \* IATA : 3 III UN 2265


**N,N-Dimethylformamide 99.9% GLR**

Assay: ≥ 99,9 %  
 Appearance: Liquid clear  
 Color (Hazen): ≤ 10  
 Water: ≤ 0,03 %  
 Acidity (HCOOH): ≤ 10 ppm  
 Alkalinity: ≤ 10 ppm  
 Metanol: ≤ 0,005 %  
 Density (20°C): 0,948 – 0,952 g/ml

Reference	Packaging	Size
DMFO-POP-1K0	plastic bottle	1 L
DMFO-GOP-1K0	glass bottle	1 L
DMFO-POP-2K0	plastic bottle	2 L
DMFO-MOP-5K0	metal can	5 L
DMFO-POP-10K	plastic bottle	10 L
DMFO-MOP-25K	metal can	25 L

**N,N-Dimethylformamide Extra Pure**

Assay >99.0%  
 Density (20 °C) 0.947-0.949 g/ml  
 Refractive index 1.4295-1.4305  
 Water < 0.1%  
 Acidity < 0.2 ml N%

Reference	Packaging	Size
DMFO-00T-2K5	plastic bottle GL45	2,5 L
DMFO-00T-5K0	plastic bottle	5 L

**2,4-Dinitrophenyl hydrazine**

(NO<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>NHNH<sub>2</sub> MW : 198,14 \* CAS : 119-26-6 \* EC : 204-309-3

UN 1325 \* ADR : 4.1 F1 II UN 1325 \* IMDG : 4.1 II UN 1325 \* IATA : 4.1 II UN 1325


**2,4-Dinitrophenyl hydrazine Analytical Grade**

Assay >99.0%  
 Melting range (dec.) 198-200 °C  
 Iron (Fe) < 0.001%  
 Chloro-2,4-dinitrobenzene < 0.05%  
 1,3-Dinitrobenzene < 0.01%  
 Sulphated ash < 0.1%

Reference	Packaging	Size
DINH-00A-100	glass bottle	100 g

**Diphenylamine**

C<sub>12</sub>H<sub>11</sub>N MW : 169,23 \* CAS : 122-39-4 \* EC : 202-163-5  
 \* EC INDEX : 601-042-00-8

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077


**Diphenylamine Analytical Grade ACS**

Assay >99.0%  
 Sensitivity to nitrate (NO<sub>3</sub>) < 1:1600000  
 Melting range 52.5°C-54°C  
 Insolubility in ethanol: passes test  
 Sulphated ash < 0.03%  
 Nitrate (NO<sub>3</sub>) No reaction  
 Aniline (C<sub>6</sub>H<sub>5</sub>NH<sub>2</sub>) < 0.01%  
 Copper (Cu) < 0.001%  
 Iron (Fe) < 0.001%  
 Nickel (Ni) < 0.001%  
 Lead (Pb) < 0.001%

Reference	Packaging	Size
DIPA-00A-100	glass bottle	100 g

**Electrode maintenance solutions**
**Electrode maintenance, cleaning solution (Pepsin)**

Reference	Packaging	Size
SCME-00A-250	plastic bottle	250 ml

**Electrode maintenance, potassium chloride solution 3M**

Reference	Packaging	Size
POCL-30A-250	plastic bottle	250 ml

**Electrode maintenance, potassium chloride solution 3M + AgCl**

Reference	Packaging	Size
POCL-A0A-250	plastic bottle	250 ml

**Eosin yellowish, C.I. 45380**

2',4',5',7'-Tetrabromofluorescein Sodium Salt, Acid Red 87, Eosin G, Eosin Y

C<sub>20</sub>H<sub>6</sub>Br<sub>4</sub>Na<sub>2</sub>O<sub>5</sub> MW : 691,86 \* CAS : 17372-87-1 \* EC : 241-409-6


**Eosin yellowish, C.I. 45380 for microscopy**

Assay >85%  
 Absorption max. 515-518 nm  
 Suitability for microscopy : passes test

Reference	Packaging	Size
EOYE-00D-025	plastic bottle	25 g

### Eriochrome black T, C.I. 14645

$C_{20}H_{12}N_3NaO_7S$  MW : 461,38 \* CAS : 1787-61-7 \* EC : 217-250-3  
UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077



#### Eriochrome black T, C.I. 14645

Suitability as metal indicator : passes test  
Absorption maximum (pH 10) 612-616 nm  
Loss on drying < 7%

Reference	Packaging	Size
ERIO-TOD-100	plastic bottle	100 g

### Eriochrome cyanine R, C.I. 43820

Chromoxanecyanine R, Mordant Blue 3

$C_{23}H_{15}Na_3O_9S$  MW : 536,4 \* CAS : 3564-18-9 \* EC : 222-641-7

#### Eriochrome cyanine R, C.I. 43820

Absorption max. (buffer pH 7.0) 434-440 nm  
Specific absorptivity 130-200 nm  
Loss on drying (105°C) < 10.0%

Reference	Packaging	Size
ERIO-COD-025	glass bottle	25 g

### Ethanol 96%

Ethyl Alcohol

MW : 46,07 \* CAS : 64-17-5 \* EC : 200-578-6

$CH_3CH_2OH$  \* EC INDEX : 603-002-00-5

UN 1170 \* ADR : 3 F1 II UN 1170 \* IMDG : 3 II UN 1170 \* IATA : 3 II UN 1170



#### Ethanol 96% Analytical Grade ACS Ph.Eur.

Assay >96%  
m/m=93.8-95.6%  
V/V=96.0-97.2%

Heavy metals as Zn<0.0002%  
Fe<0.0001%  
Non volatile residue<0.0015%

Reference	Packaging	Size
ETHA-60A-1K0	plastic bottle GL45	1 L
ETHA-60A-2K5	plastic bottle GL45	2,5 L
ETHA-60A-5K0	plastic bottle	5 L

#### Ethanol 96% Analytical Grade Ph.Eur.

Assay 96.0-96.9% V/V  
Relative density 0.805-0.812  
Appearance Liquid colourless  
Residue nonvolatile < 15ppm  
Total acidity (CH<sub>3</sub>COOH) < 15 ppm  
Aldehydes (acetaldehyde) < 5 ppm  
Higher alcohols < 5 ppm  
Esters (Ethyl Acetate) < 13 ppm  
Methanol < 200 ppm  
Volatile nitrogen bases (N) <0,1 g/ 100 L

Furfural Passes test  
Benzene < 2ppm  
Other volatile impurities <300 ppm  
Absorbance at 240 nm < 0.4  
Absorbance 250-260 nm < 0.3  
Absorbance 270-340 nm < 0.1  
Absorbance 235-340 nm Smooth curve  
Permanganate clearing time > 30 min.  
Odour Neutral

Reference	Packaging	Size
ETHA-60P-1K0	plastic bottle GL45	1 L
ETHA-60P-2K5	plastic bottle GL45	2,5 L
ETHA-60P-5K0	plastic bottle	5 L

### Ethanol 96% partially denatured

MW : 46,07 \* CAS : 64-17-5 \* EC : 200-578-6

$CH_3CH_2OH$  \* EC INDEX : 603-002-00-5

UN 1170 \* ADR : 3 F1 II UN 1170 \* IMDG : 3 II UN 1170 \* IATA : 3 II UN 1170



#### Ethanol 96% partially denatured (Bitrex) GLR

Assay > 96.3% V/V  
Relative density <0.806  
Appearance Liquid colourless  
Residue nonvolatile < 15ppm  
Total acidity (CH<sub>3</sub>COOH) < 15 ppm  
Aldehydes (acetaldehyde) < 5 ppm  
Higher alcohols < 5 ppm  
Esters (Ethyl Acetate) < 13 ppm

Methanol < 200 ppm  
Volatile nitrogen bases (N) <0,1 g/ 100 L  
Furfural Passes test  
Other volatile impurities < 300 ppm  
Benzene < 2ppm  
Permanganate clearing time > 20 min.  
Denaturant (Bitrex) > 10 ppm

Reference	Packaging	Size
ETPD-60P-1K0	plastic bottle	1 L
ETPD-60P-5K0	plastic bottle	5 L

### Ethanol absolute

Ethyl Alcohol

MW : 46,07 \* CAS : 64-17-5 \* EC : 200-578-6

$CH_3CH_2OH$  \* EC INDEX : 603-002-00-5

UN 1170 \* ADR : 3 F1 II UN 1170 \* IMDG : 3 II UN 1170 \* IATA : 3 II UN 1170



#### Ethanol absolute Analytical Grade ACS ISO

Assay > 99,9%  
Free Acid<0.0002  
Free Alkali <0.0002  
Acetone<0.001%  
Isoamyl alcohol <0.05%  
Methanol<0.05%  
2-Propanol<0.003%  
Aldehydes <0.001%  
Reducing substances <0.0003%  
Carbonyl compounds (CO) < 0.003%  
Non volatile residue<0.001%  
H<sub>2</sub>O<0.1%  
Al<0.00005%  
B<0.000002%

Ba<0.00001%  
Ca<0.00005%  
Cd<0.000005%  
Co<0.000002%  
Cr<0.000002%  
Cu<0.000002%  
Fe<0.00001%  
K<0.0001%  
Mg<0.00001%  
Mn<0.000002%  
Ni<0.000002%  
Pb<0.00001%  
Sn<0.00001%  
Zn<0.00001%

Reference	Packaging	Size
ETHA-90A-1K0	plastic bottle GL45	1 L
ETHA-90A-2K5	plastic bottle GL45	2,5 L
ETHA-90A-5K0	plastic bottle	5 L

#### Ethanol absolute, Analytical Grade Ph.Eur.

Assay > 99.5% V/V (99.2% w/w)  
Relative density 0.789-0.793 g/ml  
Appearance Liquid colourless  
Residue nonvolatile < 15ppm  
Total acidity (CH<sub>3</sub>COOH) < 15 ppm  
Aldehydes (acetaldehyde) < 5 ppm  
Higher alcohols < 5 ppm  
Esters (Ethyl Acetate) < 13 ppm  
Methanol < 200 ppm  
Volatile nitrogen bases (N) <0,1 g/ 100 L

Furfural Passes test  
Benzene < 2ppm  
Absorbance at 240 nm < 0.4  
Absorbance 250-260 nm < 0.3  
Absorbance 270-340 nm < 0.1  
Absorbance 235-340 nm Smooth curve  
Permanganate clearing time > 20 min.  
Solubility Conforms  
Odour Neutral

Reference	Packaging	Size
ETHA-90P-1K0	plastic bottle GL45	1 L
ETHA-90P-2K5	plastic bottle GL45	2,5 L
ETHA-90P-5K0	plastic bottle	5 L

**Ethanol absolute partially denatured**

MW : 46,07 \* CAS : 64-17-5 \* EC : 200-578-6

 $\text{CH}_3\text{CH}_2\text{OH}$  \* EC INDEX : 603-002-00-5

UN 1170 \* ADR : 3 F1 II UN 1170 \* IMDG : 3 II UN 1170 \* IATA : 3 II UN 1170


**Ethanol absolute partially denatured (Bitrex) GLR**

Assay > 99.9% V/V	Methanol < 200 ppm
Relative density < 0.789	Volatile nitrogen bases (N) < 0,1 g/ 100 L
Appearance Liquid colourless	Furfural Passes test
Residue nonvolatile < 15ppm	Other volatile impurities < 300 ppm
Total acidity (CH <sub>3</sub> COOH) < 15 ppm	Benzene < 2ppm
Aldehydes (acetaldehyde) < 5 ppm	Permanganate clearing time > 20 min.
Higher alcohols < 5 ppm	Denaturant (Bitrex) > 10 ppm
Esters (Ethyl Acetate) < 13 ppm	

Reference	Packaging	Size
ETPD-90P-1K0	plastic bottle	1 L
ETPD-90P-5K0	plastic bottle	5 L

**Ethyl acetate**

Acetic Acid Ethyl Ester, Acetic Ether

MW : 88,1 \* CAS : 141-78-6 \* EC : 205-500-4

 $\text{C}_4\text{H}_8\text{O}_2$  \* EC INDEX : 607-022-00-5

UN 1173 \* ADR : 3 F1 II UN 1173 \* IMDG : 3 II UN 1173 \* IATA : 3 II UN 1173


**Ethyl acetate Analytical Grade ACS ISO Ph.Eur.**

Assay >99.5%	Cu<0.000002%
Non volatile residue<0.001%	Fe<0.00001%
H <sub>2</sub> O<0.05%	Mg<0.00001%
Free acid <0.005%	Mn<0.000002%
Al<0.00005%	Ni<0.000002%
B<0.000002%	Pb<0.00001%
Ba<0.00001%	Sn<0.00001%
Ca<0.00005%	Zn<0.00001%
Cd<0.000005%	Ethanol<0.1%
Co<0.000002%	Methanol<0.1%
Cr<0.000002%	

Reference	Packaging	Size
ETAC-01A-1K0	glass bottle GL45	1 L
ETAC-01A-2K5	glass bottle GL45	2,5 L

**Ethyl acetate 99.8% GLR**

Assay ≥ 99,8 %  
 Appearance Clear liquid  
 Water ≤0,03%  
 Acidity(CH<sub>3</sub>COOH) ≤0,005%  
 Ethanol ≤300 ppm  
 Density (20 °C) 0,900-0,903 g/ml  
 Boling range 75,5-78,0 °C  
 Non volatile residue ≤ 5ppm

Reference	Packaging	Size
ETAC-POP-1K0	plastic bottle	1 L
ETAC-GOP-1K0	glass bottle	1 L
ETAC-MOP-5K0	metal can	5 L
ETAC-POP-10K	plastic bottle	10 L
ETAC-MOP-25K	metal can	25 L

**Ethyl acetate Extra Pure**

Assay >99%  
 Density (20 °C) 0.899-0.902 g/ml  
 Acidity < 1 ml N%  
 Non-volatile matter < 0.005%

Reference	Packaging	Size
ETAC-00T-2K5	plastic bottle GL45	2,5 L
ETAC-00T-5K0	plastic bottle	5 L

**Ethylene glycol**

1,2-Ethanediol, Glycol

 MW : 62,07 \* CAS : 107-21-1 \* EC : 203-473-3  
 \* EC INDEX : 603-027-00-1

**Ethylene glycol Analytical Grade**

Assay >99.5%	Water (H <sub>2</sub> O) < 0.1%
Density (20 °C) 1.113-1.115 g/ml	Iron (Fe) < 0.0001%
Refractive index 1.431 - 1.433	Acidity (CH <sub>3</sub> COOH) < 0.0005%
Color < 10 Hazen	Sulphated ash < 0.005%
Formaldehyde < 0.005%	Chloride (Cl) < 0.00002%
Copper (Cu) < 0.0001%	Sulphate (SO <sub>4</sub> ) < 0.002%
Substance reducing < 0.0003%	Lead (Pb) < 0.0001%
Readily carbonizable substance; passes test	
Insoluble matter; passes test	

Reference	Packaging	Size
ETGL-00A-1K0	plastic bottle GL45	1 L

**Ethylene glycol 99% GLR**

Assay: ≥ 99,0 %  
 Appearance: Clear liquid  
 Color (ApHA): ≤ 10  
 Acidity (CH<sub>3</sub>COOH): ≤ 0,005 %  
 Density(20°C): 1,113 – 1,1153 g/ml  
 Boiling range: 190 – 208 °C

Reference	Packaging	Size
ETGL-POP-1K0	plastic bottle	1 L
ETGL-GOP-1K0	plastic bottle PP28	1 L
ETGL-POP-5K0	plastic bottle	5 L
ETGL-MOP-5K0	metal can	5 L
ETGL-POP-10K	plastic bottle	10 L
ETGL-MOP-25K	metal can	25 L

**Ethylenediaminetetraacetic acid (EDTA) disodium salt dihydrate**

Disodium edetate, Disodium EDTA, Ethylenedinitrietetraacetic acid disodium salt, N,N'-1,2-ethanediyil-bis[N-(carboxymethyl) glycine] disodium salt, titriplex III

 $\text{C}_{10}\text{H}_{14}\text{N}_2\text{Na}_2\text{O}_8 \cdot 2\text{H}_2\text{O}$  MW : 372,24 \* CAS : 6381-92-6 \* EC : 205-358-3

**Ethylenediaminetetraacetic acid (EDTA) disodium salt dihydrate Analytical Grade ACS**

Assay 99.0-101.0%  
 Chloride (Cl) < 0.004%  
 Sulphate (SO<sub>4</sub>) < 0.01%  
 Heavy metals (as Pb) < 0.001%  
 Iron (Fe) < 0.0005%  
 Copper (Cu) < 0.00025%  
 Water 9-10%

Reference	Packaging	Size
EDTA-00A-500	plastic bottle	500 g

## Ethylenediaminetetraacetic acid (EDTA) disodium salt, volumetric solutions

CAS : 6381-92-6

### Ethylenediaminetetraacetic acid (EDTA) disodium salt, concentrated to prepare 1 L of solution 0.1 M (0.1N)

Concentration after dilution = 0.1 mol/L (C10H14N2Na2O8) ± 0.2%

Reference	Packaging	Size
EDTA-01C-1K0	plastic ampoule	1 amp.

### Ethylenediaminetetraacetic acid (EDTA) disodium salt volumetric solution 0.1 M (0.1N)

Molarity 0.1 mol/L ± 0.1%

Reference	Packaging	Size
EDTA-01V-1K0	plastic bottle GL45	1 L

## Fehling A reagent

UN 3082 \* ADR : 9 M6 III UN 3082 \* IMDG : 9 III UN 3082 \* IATA : 9 III UN 3082



### Fehling A reagent Analytical Grade

Lane & Eynon modification

Mix with Fehling's Solution B in equal volumes before use.

Fehling's solution prepared in accordance with a specification approved by the British Sugar Corporation for the determination of invert sugar.

Reference	Packaging	Size
FEHL-A0A-1K0	plastic bottle	1 L

## Fehling B reagent

UN 1760 \* ADR : 8 C9 III UN 1760 \* IMDG : 8 III UN 1760 \* IATA : 8 III UN 1760



### Fehling B reagent Analytical Grade

Lane & Eynon modification

Mix with Fehling's Solutions A in equal volumes before use.

Fehling's solution prepared in accordance with a specification approved by the British Sugar Corporation for the determination of invert sugar.

Reference	Packaging	Size
FEHL-B0A-1K0	plastic bottle	1 L

## Ferroin solution 0.025 M



### Ferroin solution 0.025 M Analytical Grade

Redox indicator, red to blue

Specific Absorptivity A1%1 cm (λmax,0.03%buffer pH7.0) 180-200

Application test: conforms

Reference	Packaging	Size
FERR-S0D-100	plastic bottle	100 ml

## Fluorescein sodium, C.I. 45350

Acid Yellow 73, Uranine

C<sub>20</sub>H<sub>10</sub>Na<sub>2</sub>O<sub>5</sub> MW : 376,3 \* CAS : 518-47-8 \* EC : 208-253-0

### Fluorescein sodium, C.I. 45350 BP

Assay >98.5%

Lead (Pb) < 0.002%

Copper (Cu) < 0.01%

Cadmium (Cd) < 0.001%

Zinc (Zn) < 0.01%

Arsenic (As) < 0.0002%

Acriflavine: passes test

Water (K. Fischer) < 7.0%

Reference	Packaging	Size
FLUO-00D-025	plastic bottle	25 g
FLUO-00D-100	plastic bottle	100 g

## Formaldehyde, solution 37.0-41.0%

CH<sub>2</sub>O

MW : 30,03 \* CAS : 50-00-0 \* EC : 200-001-8

\* EC INDEX : 603-001-00-X

UN 2209 \* ADR : 8 C9 III UN 2209 \* IMDG : 8 III UN 2209 \* IATA : 8 III UN 2209



### Formaldehyde, solution 37.0-41.0% Analytical Grade

Assay 37.0-41.0%

Methanol (CH<sub>3</sub>OH) 8.0-12.0 %

Density (20 °C) 1.080 - 1.090 g/ml

Colour max 10 Hazen

Acidity (HCOOH) < 0.045%

Non-volatile matter < 0.005%

Chloride (Cl) < 0.0002%

Sulphate (SO<sub>4</sub>) < 0.002%

Copper (Cu) < 0.0001%

Iron (Fe) < 0.0001%

Lead (Pb) < 0.0001%

Reference	Packaging	Size
FORM-00A-1K0	plastic bottle GL45	1 L

### Formaldehyde, solution 37% Extra Pure USP

Assay 37.0-41.0%

Density (20°C) 1.080-1.090 g/ml

Content of methanol 8.0-12.0 % w/w

Acidity < 3ml N%

Ash < 0.02%

Chloride (Cl) < 0.001%

Reference	Packaging	Size
FORM-00T-2K5	plastic bottle GL45	2,5 L
FORM-00T-5K0	plastic bottle	5 L

## Formamide

HCONH<sub>2</sub>

MW : 45,04 \* CAS : 75-12-7 \* EC : 200-842-0

\* EC INDEX : 616-052-00-8



### Formamide Analytical Grade ACS

Assay >99.5%

Density (20 °C/4 °C) 1.132 - 1.135 g/ml

Solidification point 2.0 - 3.0 °C

Chloride (Cl) < 0.0001%

Heavy metals (as Pb) < 0.0001%

Iron (Fe) < 0.0001%

Water < 0.5%

Sulphated ash < 0.005%

Reference	Packaging	Size
FORD-00A-1K0	plastic bottle GL45	1 L

**Formic acid 98%**

HCOOH MW : 46,03 \* CAS : 64-18-6  
 UN 1779 \* ADR : 8 (3) CF1 II UN 1779 \* IMDG : 8 (3) II UN 1779 \* IATA : 8 (3) II UN 1779


**Formic acid 98% Analytical Grade ACS**

Assay >98.0%  
 Density (20 °C) 1.216 - 1.220 g/ml  
 Freezing point > 5.5 °C  
 Water-insoluble matter: passes test  
 Acetic acid (CH<sub>3</sub>COOH) < 0.3%  
 Chloride (Cl) < 0.0005%  
 Nitrogen compounds (N) < 0.002%  
 Sulphate (SO<sub>4</sub>) < 0.001%  
 Sulphite (SO<sub>3</sub>) < 0.001%  
 Copper (Cu) < 0.0005%  
 Iron (Fe) < 0.0003%  
 Lead (Pb) < 0.0005%  
 Non volatile matter < 0.002%

Reference	Packaging	Size
FORA-A0A-1K0	plastic bottle GL45	1 L

**D(-)-Fructose**

C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> MW : 180,16 \* CAS : 57-48-7 \* EC : 200-333-3

**D(-)-Fructose Analytical Grade**

Assay >99.0%  
 Specific rotation (alfa (20/D),C=10, water) -93.5 to -91°  
 Insoluble matter < 0.005%  
 Loss on drying < 0.5%  
 Sulphated ash < 0.05%  
 Chloride (Cl) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.0005%  
 D(+)-Glucose (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>) < 0.1%  
 Arsenic (As) < 0.0001%  
 Cadmium (Cd) < 0.0001%  
 Copper (Cu) < 0.0001%  
 Iron (Fe) < 0.0001%  
 Lead (Pb) < 0.0001%  
 Zinc (Zn) < 0.0005%

Reference	Packaging	Size
FRUC-00A-250	plastic bottle	250 g

**D(-)-Fructose Extra Pure Ph. Eur., USP**

Specific rotation (alfa (20/D),C=10, water)  
 Heavy metals (as Pb) < 0.001%  
 Water < 0.5%  
 Suitability for microbiology: passes test

Reference	Packaging	Size
FRUC-00T-500	plastic bottle	500 g

**Fuchsin acid, C.I. 42685**

Acid Violet 19, Fuchsin S, Rubin Acid, Rubin S

C<sub>20</sub>H<sub>17</sub>N<sub>3</sub>Na<sub>2</sub>O<sub>9</sub>S<sub>3</sub> MW : 585,54 \* CAS : 3244-88-0 \* EC : 221-816-6

**Fuchsin acid, C.I. 42685 for microscopy**

Absorption max. 540-543 nm  
 (Suitable for use in the Van Gieson Connective tissue stain and Mallory anilin blue connective tissue stain Zeihl-Neelsens staining for tuberculosis bacilli, nuclear staining)

Reference	Packaging	Size
FUCH-A0D-010	glass bottle	10 g
FUCH-A0D-025	plastic bottle	25 g

**Fuchsin basic, C.I. 42510**

Basic Violet 14

C<sub>20</sub>H<sub>20</sub>ClN<sub>3</sub> MW : 337.85 \* CAS : 632-99-5 \* EC : 211-189-6

**Fuchsin basic, C.I. 42510 for microscopy**

Absorption (in 50% ethanol) max. 549-552 nm

Reference	Packaging	Size
FUCH-B0D-025	plastic bottle	25 g

**Fuchsin basic, carbol solution according to Ziehl**

UN 1992 \* ADR : 3(6.1) FT1 III UN 1992 \* IMDG : 3(6.1) III UN 1992 \* IATA : 3(6.1) III UN 1992


**Fuchsin basic, carbol solution according to Ziehl**

Absorption max. 544-548 nm  
 Absorbance A (λ max 1; 2000 dilution 1cm) 0.380-0.600  
 Suitability test: passes test

Reference	Packaging	Size
FUCH-BZD-500	plastic bottle	500 ml

**Gelatin**

CAS : 9000-70-8 \* EC : 232-554-6

**Gelatin, powder for bacteriology**

Loss on drying < 12%  
 Sulphated ash < 1.5%  
 Sulphur dioxide (SO<sub>2</sub>) < 0.0002%  
 Heavy metals (Zn, Cu, Pb): passes test  
 E. Coli: absent  
 Liquifiers: absent

Reference	Packaging	Size
GELA-00T-1K0	plastic bottle	1 Kg

**Giemsa's azur eosin methylene blue solution**

UN 1230 \* ADR : 3 (6,1) FT1 II UN 1230 \* IMDG : 3 (6,1) II UN 1230 \* IATA : 3 (6,1) II UN 1230


**Giemsa's azur eosin methylene blue solution for microscopy**

Description Blue colored solution  
 Absorbance max. 630 - 655 nm  
 Absorbance max. 520 - 525 nm

Reference	Packaging	Size
EOMB-MSD-1K0	glass bottle GL45	1 L

**Giemsa's stain**

CAS : 51811-82-6


**Giemsa's stain for microscopy**

Absorption max. λ1 (methanol) about 651 nm  
 Absorption max. λ2 (methanol) about 523 nm  
 Absorptivity at λ1 > 800.0  
 Absorptivity at λ2 > 350.0  
 Loss on drying (105°C) < 10.0%

Reference	Packaging	Size
EOMB-00D-100	plastic bottle	100 g

## D(+)-Glucose anhydrous

Dextrose, D-Glucopyranose, Grape sugar

$C_6H_{12}O_6$  MW : 180,16 \* CAS : 50-99-7 \* EC : 200-075-1

### D(+)-Glucose anhydrous for bacteriology Analytical Grade

Specific rotation  $+52.5^\circ$  to  $+53^\circ$   
Lead (Pb) < 0.001%  
Copper (Cu) < 0.0001%  
Zinc (Zn) < 0.0001%  
Cadmium (Cd) < 0.0001%  
Maltose < 0.2%

Reference	Packaging	Size
GLUC-A0A-500	plastic bottle	500 g

### D(+)-Glucose anhydrous Extra Pure Ph. Eur., USP

Specific rotation (alfa (20/D), 10% water, on dried substance)  $+52.5$  to  $+53.2^\circ$   
pH(10% water) 5.7-7.0  
Chloride (Cl) < 0.0125%  
Maltose < 0.2%  
Water (KF) < 0.2%  
Sulphated ash < 0.1%  
Heavy metals (as Pb) < 0.001%  
Acidity or alkalinity: passes test  
Arsenic (As) < 0.0001%  
Barium (Ba): passes test

Lead (Pb) < 0.00005%  
Foreign sugars, soluble starch, dextrine: passes test  
Calcium (Ca) < 0.02%  
Sulphate (SO<sub>4</sub>) < 0.02%  
Sulphite (SO<sub>3</sub>): passes test

Reference	Packaging	Size
GLUC-A0T-500	plastic bottle	500 g

## L-Glutamic acid

$C_5H_9NO_4$  MW : 147,13 \* CAS : 56-86-0 \* EC : 200-293-7

### L-Glutamic acid for bacteriology and cell culture Ph. Eur.

Assay >99.0%  
Pyrogen free, for bacteriology and tissue culture  
Specific rotation  $+30.5^\circ$  to  $+32.5^\circ$  (alfa (20/D), 100g/l HCl 1 M calculated on dried subs.)  
Chloride (Cl) < 0.02%  
Sulphate (SO<sub>4</sub>) < 0.03%  
Heavy metals (as Pb) < 0.001%

Iron (Fe) < 0.001%  
Ammonium (NH<sub>4</sub>) < 0.02%  
Ninhydrin positive substances (TLC) < 0.5%  
Sulphated ash (600 °C) < 0.1%  
Loss on drying (105 °C) < 0.5%

Reference	Packaging	Size
GLUT-00B-250	plastic bottle	250 g

## Glycerol

1,2,3-Propanetriol, Glycerine

$C_3H_8O_3$  MW : 92,09 \* CAS : 56-81-5 \* EC : 200-289-5

### Glycerol 99% Analytical Grade

Assay >99.0%  
Density (20 °C) 1.257 - 1.261 g/ml  
Refractive index 1.471 - 1.473  
Reaction pH 6-7  
Sulphate ash < 0.005%  
Fatty acids: passes test  
Chloride (Cl) < 0.0001%  
Sulphate (SO<sub>4</sub>) < 0.0005%  
Ammonium (NH<sub>4</sub>) < 0.0005%  
Arsenic (As) < 0.00004%  
Organic impurities: passes test  
Copper (Cu) < 0.00005%

Iron (Fe) < 0.00005%  
Lead (Pb) < 0.00005%  
Ester of volatile acid (glycerol tributyrate): passes test  
Reducing substances: no reaction  
Sugar (Glucose) 0.0004%

Reference	Packaging	Size
GLIO-00A-1K0	plastic bottle GL45	1 L

## Glycerol (Vegetal origin) USP GLR

Assay ≥ 99,00%  
Appearance Clear liquid  
Color (Hazen) ≤ 10  
Water ≤ 1,0 %  
Refractive Index (n<sub>20</sub>/D) ≥ 1,470  
Specific gravity: ≥ 1,249  
Fatty acids and esters: ≤ 0,01 meq/g  
Chlorinated compounds (Cl): ≤ 30 ppm

Heavy metals (Pb): ≤ 5 ppm  
Sulfate: ≤ 20 ppm  
Chloride: ≤10 ppm  
Diethylene glycol ≤0.1%  
Ethylene glycol ≤0.1%  
Related compounds ≤ 1%  
Residue on Ignition ≤0.01%

Reference	Packaging	Size
GLIO-POP-1K0	plastic bottle	1 L
GLIO-G0P-1K0	glass bottle	1 L
GLIO-POP-5K0	plastic bottle	5 L
GLIO-M0P-5K0	metal can	5 L
GLIO-POP-10K	plastic bottle	10 L
GLIO-M0P-25K	metal can	25 L

## Glycine

Aminoacetic Acid, Glycocol

$H_2NCH_2COOH$  MW : 75,06 \* CAS : 56-40-6 \* EC : 200-272-2

### Glycine Analytical Grade, ACS

For biochemistry, bacteriology and tissue culture, buffering substance  
pH of 5% solution 5.9-6.3  
Insoluble matter in water < 0.005%  
Hydrolyzable substances: passes test  
Substances darkened by H<sub>2</sub>SO<sub>4</sub>: passes test  
Chloride (Cl) < 0.003%  
Heavy metals (as Pb) < 0.001%  
Sulphate (SO<sub>4</sub>) < 0.002%

Loss on drying < 0.2%  
Residue on ignition < 0.05%  
Ammonium (NH<sub>4</sub>) < 0.005%  
Iron (Fe) < 0.001%  
Arsenic (As) < 0.0001%  
Copper (Cu) < 0.0005%  
Nickel (Ni) < 0.0005%  
Lead (Pb) < 0.0005%

Reference	Packaging	Size
GLIC-00A-500	plastic bottle	500 g

## Heptane 95% (isomers)

$C_7H_{16}$  MW : 100,21 \* CAS : 64742-49-0 \* EC : 921-510-4  
\* EC INDEX : 601-008-00-2

UN 1206 \* ADR : 3, II UN 1206 \* IMDG : 3, II UN 1206 \* IATA : 3, II UN 1206



### Heptane 95% (isomers) GLR

Assay (C7): ≥ 95 % (v/v)  
Appearance: Clear liquid and colourless  
Aromatics compounds: ≤ 0,005 % (v/v)  
Benzene: ≤ 0,005  
Color (Saybolt): ≥ 30  
Copper corrosion (ASTM D130) ≤ 1

Density, 15 °C: 0,690 – 0,698 g/ml  
Sulphur: ≤ 1 ppm  
Boiling range: 90 – 100 °C

Reference	Packaging	Size
HPTN-G0P-1K0	glass bottle	1 L
HPTN-M0P-5K0	metal can	5 L
HPTN-POP-5K0	plastic bottle	5 L
HPTN-M0P-25K	metal can	25 L

**n-Hexane 99%**

$C_6H_{14}$  MW : 86,18 \* CAS : 110-54-3 \* EC : 925-292-5  
\* EC INDEX : 601-037-00-0

UN 1208 \* ADR : 3, II UN 1208 \* IMDG : 3, II UN 1208 \* IATA : 3, II UN 1208


**n-Hexane 99% Analytical Grade ACS Ph.Eur.**

Assay (C <sub>6</sub> H <sub>14</sub> ): ≥ 99 %	Cu < 0.000002%
Non volatile residue < 0.001%	Fe < 0.00001%
H <sub>2</sub> O < 0.01%	Mg < 0.00001%
Free acid < 0.002%	Mn < 0.000002%
Al < 0.00005%	Ni < 0.000002%
B < 0.000002%	Pb < 0.00001%
Ba < 0.00001%	Sn < 0.00001%
Ca < 0.00005%	Zn < 0.00001%
Cd < 0.000005%	Aromatics < 0.01%
Co < 0.000002%	S-comp < 0.005%
Cr < 0.000002%	Thiophene < 0.005%

Reference	Packaging	Size
HXAN-90A-1K0	glass bottle GL45	1 L
HXAN-90A-2K5	glass bottle GL45	2,5 L

**n-Hexane 95%**

$C_6H_{14}$  MW : 86,18 \* CAS : 110-54-3 \* EC : 925-292-5  
\* EC INDEX : 601-037-00-0

UN 1208 \* ADR : 3, II UN 1208 \* IMDG : 3, II UN 1208 \* IATA : 3, II UN 1208


**n-Hexane 95% Analytical Grade ACS Ph.Eur.**

Assay (C <sub>6</sub> H <sub>14</sub> ): ≥ 95 %	Cu < 0.000002%
Non volatile residue < 0.001%	Fe < 0.00001%
H <sub>2</sub> O < 0.01%	Mg < 0.00001%
Free acid < 0.002%	Mn < 0.000002%
Al < 0.00005%	Ni < 0.000002%
B < 0.000002%	Pb < 0.00001%
Ba < 0.00001%	Sn < 0.00001%
Ca < 0.00005%	Zn < 0.00001%
Cd < 0.000005%	Aromatics < 0.01%
Co < 0.000002%	S-comp < 0.005%
Cr < 0.000002%	Thiophene < 0.005%

Reference	Packaging	Size
HXAN-50A-2K5	glass bottle GL45	2,5 L

**Hexane 95% isomers GLR**

Assay (C<sub>6</sub>): ≥ 96 % (v/v)  
Appearance: Clear liquid and colourless  
Aromatics compounds: ≤ 0,005 % (v/v)  
Benzene: ≤ 10 ppm  
Color (Saybolt): ≥ 30  
Copper corrosion (ASTM D130) ≤ 1  
Density, 15 °C: 0,665 – 0,673 g/ml  
Sulphur: ≤ 1 ppm  
Boiling range: 62,5 – 70 °C  
Non volatile matter : ≤ 5 mg/100 ml

Reference	Packaging	Size
HXAN-GOP-1K0	glass bottle	1 L
HXAN-MOP-5K0	metal can	5 L
HXAN-POP-5K0	plastic bottle	5 L
HXAN-MOP-25K	metal can	25 L

**Hydrochloric acid 25%**

HCl MW : 36,46 \* CAS : 7647-01-0 \* EC : 231-595-7  
\* EC INDEX : 017-002-01-X

UN 1789 \* ADR : 8 C1 II UN 1789 \* IMDG : 8 II UN 1789 \* IATA : 8 II UN 1789


**Hydrochloric acid 25% Analytical Grade**

Assay 25,0 ± 1,0 %  
Residue on ignition (as SO<sub>4</sub>) max. 0,001 %  
Sulphates (SO<sub>4</sub>) max. 0,0002 %  
Sulphites (SO<sub>3</sub>) max. 0,0005 %  
Free chlorine (Cl<sub>2</sub>) max. 0,0001 %  
Heavy metals (as Pb) max. 0,0001 %  
Arsenic (As) max. 0,000005 %  
Iron (Fe) max. 0,0001 %

Reference	Packaging	Size
CHAC-25A-1K0	glass bottle	1 L

**Hydrochloric acid 35%**

HCl MW : 36,46 \* CAS : 7647-01-0 \* EC : 231-595-7  
\* EC INDEX : 017-002-01-X

UN 1789 \* ADR : 8 C1 II UN 1789 \* IMDG : 8 II UN 1789 \* IATA : 8 II UN 1789


**Hydrochloric acid 35% Analytical Grade**

Assay > 35.4%	Arsenic (As) < 0.000002%
Non-volatile matter < 0.001%	Copper (Cu) < 0.00001%
Free chlorine (Cl) < 0.0002%	Iron (Fe) < 0.00004%
Sulphate (SO <sub>4</sub> ) < 0.0005%	Lead (Pb) < 0.00005%
Sulphite (SO <sub>3</sub> ) < 0.0001%	
Aluminium (Al) < 0.00005%	
Ammonium (NH <sub>4</sub> ) < 0.0003%	

Reference	Packaging	Size
CHAC-00A-1K0	glass bottle GL45	1 L
CHAC-00A-2K5	glass bottle GL45	2,5 L

**Hydrochloric acid 35% Extra Pure**

Assay 35-38%  
Density (20 °C) 1.18 g/ml  
Non-volatile matter < 0.01%  
Free chloride (Cl) < 0.0005%  
Sulphuric acid (H<sub>2</sub>SO<sub>4</sub>) < 0.02%  
Iron (Fe) < 0.001%  
Lead (Pb) < 0.0005%

Reference	Packaging	Size
CHAC-00T-1K0	glass bottle GL45	1 L
CHAC-00T-2K5	glass bottle GL45	2,5 L

## Hydrochloric acid 37%

HCl MW : 36,46 \* CAS : 7647-01-0 \* EC : 231-595-7  
\* EC INDEX : 017-002-01-X

UN 1789 \* ADR : 8 C1 II UN 1789 \* IMDG : 8 II UN 1789 \* IATA : 8 II UN 1789



### Hydrochloric acid 37% Analytical Grade ISO

Assay 36.5-38%	Pb<0.000005%
Residue non volatile<0.0005%	Zn<0.0001%
As<0.000005%	NH4<0.0003%
Cd<0.000001%	Free Chlorine(Cl)<0.00005%
Cu<0.000005%	SO3<0.0002%
Fe<0.00005%	SO4<0.0001%

Reference	Packaging	Size
CHAC-0AI-1K0	glass bottle GL45	1 L
CHAC-0AI-2K5	glass bottle GL45	2,5 L

### Hydrochloric acid 37% Analytical Grade

Assay 36.5-38%	Copper (Cu) < 0.00001%
Non-volatile matter < 0.001%	Iron (Fe) < 0.00004%
Free chlorine (Cl) < 0.0002%	Lead (Pb) < 0.00005%
Sulphate (SO4) < 0.0005%	Aluminium (Al) < 0.00005%
Sulphite (SO3) < 0.0001%	
Ammonium (NH4) < 0.0003%	
Arsenic (As) < 0.000002%	

Reference	Packaging	Size
CHAC-0AA-1K0	glass bottle GL45	1 L
CHAC-0AA-2K5	glass bottle GL45	2,5 L

## Hydrochloric acid, volumetric solutions

HCl MW : 36,46 \* CAS : 7647-01-0

UN 1789 \* ADR : 8 C1 II UN 1789 \* IMDG : 8 II UN 1789 \* IATA : 8 II UN 1789



### Hydrochloric acid, concentrated to prepare 1 L of solution 0.1 M (0.1 N)

Concentration after dilution : 0.1 mol/L HCl ± 0.2%

Reference	Packaging	Size
CHAC-01C-1K0	plastic ampoule	1 amp.

### Hydrochloric acid, volumetric solution 0.1 M (0.1 N)

Tolerance ± 0.0005M (0.0005N)

Reference	Packaging	Size
CHAC-01V-1K0	plastic bottle	1 L

### Hydrochloric acid, volumetric solution 0.5 M (0.5 N)

Tolerance ± 0.0005M (0.0005N)

Reference	Packaging	Size
CHAC-05V-1K0	plastic bottle	1 L

### Hydrochloric acid, volumetric solution 1.0 M (1.0 N)

Tolerance ± 0.0005M (0.0005N)

Reference	Packaging	Size
CHAC-1V0-1K0	plastic bottle	1 L

## Hydrochloric acid, volumetric solution 2.0 M (2.0 N)

Tolerance ± 0.005M (0.005N)

Reference	Packaging	Size
CHAC-2V0-1K0	plastic bottle	1 L

## Hydrofluoric acid

HF MW : 20,01 \* CAS : 7664-39-3 \* EC : 231-634-8  
\* EC INDEX : 009-003-00-1

UN 1790 \* ADR : 8 (6.1), II UN 1790 \* IMDG : 8 (6.1), II UN 1790 \* IATA : 8 (6.1), II UN 1790



### Hydrofluoric acid 40% Analytical Grade

Assay 40,0 ± 1,0 %  
Residue on ignition (as SO4) max. 0,005 %  
Substances reducing KMnO4 max. 0,001 %  
Chlorides (Cl) max. 0,003 %  
Phosphates (as PO4) max. 0,001 %  
Sulphates (SO4) max. 0,002 %  
Sulphites (SO3) max. 0,004 %  
Silicon (Si) max. 0,05 %  
Magnesium + calcium (Mg + Ca) max. 0,005 %  
Copper + lead(Cu + Pb) max. 0,001 %  
Iron (Fe) max. 0,0003 %

Reference	Packaging	Size
FLAC-00A-1K0	plastic bottle	1 L

### Hydrofluoric acid 48% Analytical Grade ISO

Assay > 48%	Ge<0.000005%
Cl<0.0001%	K<0.00001%
SIF6<0.0005%	Li<0.000002%
PO4<0.00005%	Mg<0.00002%
SO4<0.0002%	Mn<0.000005%
SO3<0.0002%	Mo<0.000005%
Ag<0.000002%	Na<0.00002%
Al<0.000005%	Ni<0.000002%
Ba<0.00001%	Pb<0.000005%
Be<0.000002%	Sr<0.000002%
Bi<0.00001%	Ti<0.00001%
Ca<0.00005%	Tl<0.000005%
Cd<0.000001%	V<0.000005%
Co<0.000002%	Zn<0.000005%
Cr<0.000002%	Zr<0.00001%
Cu<0.000002%	Ash as SO4 <0.0005%
Fe<0.00002%	Colour<10 Hazen

Reference	Packaging	Size
FLAC-80A-1K0	plastic bottle	1 L

## Hydrogen peroxide 30%

H<sub>2</sub>O<sub>2</sub> MW : 34,01 \* CAS : 7722-84-1 \* EC : 231-765-0  
\* EC INDEX : 008-003-00-9

UN 2014 \* ADR : 5.1 II UN 2014 \* IMDG : 5.1 II UN 2014 \* IATA : 5.1 II UN 2014



### Hydrogen Peroxide 30% Analytical Grade

Assay 29,0 – 31,0 %	Cobalt (Co) max. 0,00001 %
Free acids(as H2SO4) max. 0,001 %	Silicon (Si) max. 0,001 %
Chlorides (Cl) max. 0,0001 %	Manganese (Mn) max. 0,00001 %
Sulphates (SO4) max. 0,0001 %	Copper (Cu) max. 0,00001 %
Bismuth (Bi) max. 0,000005 %	Nickel (Ni) max. 0,00001 %
Bor (Bo) max. 0,000001 %	Lead (Pb) max. 0,00001 %
Tin (Sn) max. 0,00001 %	Silver (Ag) max. 0,00001 %
Aluminium (Al) max. 0,00001 %	Iron (Fe) max. 0,00001 %
Phosphorous(P) max. 0,0001 %	

Reference	Packaging	Size
HYPE-30A-1K0	plastic bottle	1 L



**Hydrogen Peroxide 30% GLR**

Assay 30,0 % ± 1,0 %  
 Free acids(as H<sub>2</sub>SO<sub>4</sub>) max. 0,01 %  
 Residue on evaporation max. 0,01 %  
 Total nitrogen(N) max. 0,005 %  
 Chlorides (Cl) max. 0,001 %  
 Phosphates (PO<sub>4</sub>) max. 0,003 %

Sulphates (SO<sub>4</sub>) max. 0,001 %  
 Heavy metals(as Pb) max. 0,00005 %  
 Arsenic (As) max. 0,00005 %  
 Iron (Fe) max. 0,00005 %

Reference	Packaging	Size
HYPE-30P-1K0	plastic bottle	1 L

**Indigo carmine, C.I. 73015**

5,5"-Indigosulphonic Acid Disodium Salt, Acid Blue 74, Indigotine

C<sub>16</sub>H<sub>8</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub>S<sub>2</sub> MW : 466.36 \* CAS : 860-22-0 \* EC : 212-728-8

**Indigo carmine, C.I. 73015 USP, NF**

Absorption max. (λ max water) 608 – 612 nm  
 Specific Absorptivity (A 1% / 1cm λ max. 0.001 % water) 380 - 475  
 Loss on drying (105 °C) < 6%  
 Suitability for microscopy: passes test

Reference	Packaging	Size
INCA-00D-025	glass bottle	25 g

**Indole-3-acetic acid**

C<sub>10</sub>H<sub>9</sub>NO<sub>2</sub> MW : 175,19 \* CAS : 87-51-4 \* EC : 201-748-2

**Indole-3-acetic acid for biochemistry**

Assay >99.0%  
 Melting range 167-170 °C  
 Heavy metals (as Pb) < 0.001%  
 Sulphated ash < 0.1%

Reference	Packaging	Size
INDO-A0B-025	glass bottle	25 g

**Indole-3-butyric acid**

C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub> MW : 203,24 \* CAS : 133-32-4 \* EC : 205-101-5

UN 2811 \* ADR : 6.1 T2 III UN 2811 \* IMDG : 6.1 III UN 2811 \* IATA : 6.1 III UN 2811


**Indole-3-butyric acid for biochemistry**

Assay >99.0%  
 Plant growth hormone  
 Melting point 121-124 °C

Reference	Packaging	Size
INDO-80B-025	glass bottle	25 g

**Iodine resublimed**

I<sub>2</sub> MW : 253,8 \* CAS : 7553-56-2 \* EC : 231-442-4  
 \* EC INDEX : 053-001-00-3

UN 3290 \* ADR : 6.1 (8) TC4 II UN 3290 \* IMDG : 6.1 (8) II UN 3290 \* IATA : 6.1 (8) II UN 3290


**Iodine resublimed Analytical Grade ACS, Ph.Eur.**

Assay >99.8%  
 Non-volatile matter max. 0,01 %  
 Chlorine and bromine (as Cl) max. 0,005 %

Reference	Packaging	Size
IODI-R0P-250	glass bottle	250 g

**Iodine resublimed Analytical Grade BP**

Assay >99.5%  
 Melting point 113 °C  
 Non-volatile matter (105 °C) < 0.005%  
 Chlorine and bromine (as Cl) < 0.005%  
 Sulphate (SO<sub>4</sub>) < 0.002%

Reference	Packaging	Size
IODI-R0A-100	glass bottle	100 g

**Iodine volumetric solution**

I<sub>2</sub> MW : 253,81 \* CAS : 7553-56-2 \* EC : 231-442-4  
 \* EC INDEX : 053-001-00-3

**Iodine 0.05M (0,1 N) Volumetric solution**

12.69 g I<sub>2</sub> / L H<sub>2</sub>O = 0.1 N (±0.0002/20°C)

Reference	Packaging	Size
IODI-01V-1K0	glass bottle GL45	1 L

**Iron (II) chloride tetrahydrate**

FeCl<sub>2</sub>·xH<sub>2</sub>O MW : 126.75+aq \* CAS : 13478-10-9 \* EC : 231-843-4

UN 3260 \* ADR : 8 C2 III UN 3260 \* IMDG : 8 III UN 3260 \* IATA : 8 III UN 3260


**Iron (II) chloride tetrahydrate Extra Pure**

Assay >98.0%  
 Sulphate (SO<sub>4</sub>) < 0.03%  
 Arsenic (As) < 0.0005%  
 Copper (Cu) < 0.005%  
 Lead (Pb) < 0.005%

Reference	Packaging	Size
IRCH-04A-500	plastic bottle	500 g

**Iron (III) chloride anhydrous**

FeCl<sub>3</sub> MW : 162,21 \* CAS : 7705-08-0 \* EC : 231-729-4

UN 1773 \* ADR : 8 C2 III UN 1773 \* IMDG : 8 III UN 1773 \* IATA : 8 III UN 1773


**Iron (III) chloride anhydrous Analytical Grade**

Assay >99.0%  
 Arsenic (As) < 0.0005%  
 Copper (Cu) < 0.04%  
 Magnesium (Mg) < 0.15%  
 Lead (Pb) < 0.02%  
 Zinc (Zn) < 0.04%

Reference	Packaging	Size
IRCH-A0A-500	plastic bottle	500 g

**Iron (III) chloride anhydrous Extra Pure**

Assay >98.0%  
 Melting point 305 °C

Reference	Packaging	Size
IRCH-A0T-500	plastic bottle	500 g

## Iron (III) chloride hexahydrate

Ferric chloride hexahydrate

$\text{FeCl}_3 \cdot 6 \text{H}_2\text{O}$  MW : 270.33 \* CAS : 10025-77-1 \* EC : 231-729-4



### Iron (III) chloride hexahydrate Analytical Grade ACS, Ph. Eur.

Assay >99%  
 Solution in HCl: passes test  
 Acidity (HCl) < 0.2%  
 Free chlorine (Cl) < 0.001%  
 Nitrogen compounds (N) < 0.001%  
 Phosphate (PO<sub>4</sub>) < 0.002%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Arsenic (As) < 0.0005%  
 Copper (Cu) < 0.002%  
 Iron (II) (Fe) < 0.005%  
 Lead (Pb) < 0.002%  
 Manganese (Mn) < 0.005%  
 Zinc (Zn) < 0.002%  
 Substances not precipitated by ammonia solution (as SO<sub>4</sub>) < 0.05%

Reference	Packaging	Size
IRCH-06A-500	plastic bottle	500 g

## Iron metal, powder

Fe MW : 55,84 \* CAS : 7439-89-6 \* EC : 231-096-4

UN 3089 \* ADR : 4.1 III UN 3089 \* IMDG : 4.1 III UN 3089 \* IATA : 4.1 III UN 3089

### Iron metal, powder, 0.045-0.106 mm

Type analysis  
 Loss on hydrogen < 0,90 %  
 Carbon < 0,050 %  
 Sulfur < 0,015 %

Reference	Packaging	Size
IRON-001-500	plastic bottle	500 g

## Iron (III) nitrate nonahydrate

$\text{Fe}(\text{NO}_3)_3 \cdot 9 \text{H}_2\text{O}$  MW : 404 \* CAS : 7782-61-8 \* EC : 233-899-5

UN 1466 \* ADR : 5.1 O2 III UN 1466 \* IMDG : 5.1 III UN 1466 \* IATA : 5.1 III UN 1466



### Iron (III) nitrate nonahydrate Analytical Grade ACS

Assay >99%  
 Chloride (Cl) < 0.0005%  
 Insoluble matter < 0.003%  
 Acidity (HNO<sub>3</sub>) < 0.4%  
 Phosphate (PO<sub>4</sub>) < 0.005%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Calcium (Ca) < 0.005%  
 Copper (Cu) < 0.005%  
 Lead (Pb) < 0.001%  
 Magnesium (Mg) < 0.001%  
 Manganese (Mn) < 0.02%  
 Potassium (K) < 0.005%  
 Sodium (Na) < 0.005%  
 Zinc (Zn) < 0.001%

Reference	Packaging	Size
IRNA-09A-500	plastic bottle	500 g

## Iron (III) oxide red

$\text{Fe}_2\text{O}_3$  MW : 159,69 \* CAS : 1309-37-1 \* EC : 215-168-2

### Iron (III) oxide red Extra Pure

Assay 95.0-98.0%  
 Loss on ignition < 0.5%  
 Water soluble < 1.0%  
 Phosphate (PO<sub>4</sub>) < 0.3%  
 Sulphate (SO<sub>4</sub>) < 0.5%  
 Manganese (Mn) < 0.25%

Reference	Packaging	Size
IROX-00T-500	plastic bottle	500 g

## Iron (II) sulfate heptahydrate

Green Vitriol

$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$  MW : 278,02 \* CAS : 7782-63-0 \* EC : 231-753-5



### Iron (II) sulfate heptahydrate Analytical Grade ACS

Assay >99%  
 Insoluble matter < 0.005%  
 pH of aqueous solution (5% in CO<sub>2</sub> free water) 3.0-4.0  
 Chloride (Cl) < 0.0005%  
 Nitrogen compounds (N) < 0.001%  
 Phosphate (PO<sub>4</sub>) < 0.001%  
 Copper (Cu) < 0.001%  
 Ferric Iron (Fe) < 0.02%  
 Lead (Pb) < 0.0005%  
 Manganese (Mn) < 0.05%  
 Zinc (Zn) < 0.005%  
 Substances not precipitated by ammonia (as SO<sub>4</sub>) < 0.05%

Reference	Packaging	Size
IRSU-07A-500	plastic bottle	500 g

### Iron (II) sulfate heptahydrate Extra Pure

Assay 98.5-104.5%  
 pH (5% water) 3.0-4.0  
 Chloride (Cl) < 0.01%  
 Heavy metals (as Pb) < 0.005%  
 Arsenic (As) < 0.0002%  
 Lead (Pb) < 0.001%  
 Iron (III) salts (as Fe) < 0.2%  
 Copper (Cu) < 0.003%  
 Manganese (Mn) < 0.1%  
 Mercury (Hg) < 0.0003%  
 Zinc (Zn) < 0.05%

Reference	Packaging	Size
IRSU-07T-500	plastic bottle	500 g

## Iron (III) sulfate hydrated

$\text{Fe}_2(\text{SO}_4)_3 \cdot 3\text{H}_2\text{O}$  MW : 399,88 \* CAS : 15244-10-7 \* EC : 233-072-9



### Iron (III) sulfate hydrated Analytical Grade

Assay >20.0%  
 Chloride (Cl) < 0.005%  
 Copper (Cu) < 0.005%  
 Ferrous iron (Fe) < 0.02%  
 Insoluble matter < 0.020%  
 Nitrate (NO<sub>3</sub>) < 0.01%  
 Substances not precipitated by ammonia solution < 0.10%  
 Zinc (Zn) < 0.005%

Reference	Packaging	Size
IRSU-01A-500	plastic bottle	500 g

### Iron (III) sulfate hydrated Extra Pure

Assay >20.0%  
 Copper (Cu) < 0.005%  
 Ferrous iron (Fe<sup>2+</sup>) < 0.05%  
 Zinc (Zn) < 0.005%  
 Chloride (Cl) < 0.01%  
 Nitrate (NO<sub>3</sub>) < 0.01%  
 Matter not precipitated by ammonia solution (as SO<sub>4</sub>) < 0.1%

Reference	Packaging	Size
IRSU-01T-500	plastic bottle	500 g

**Isooctane**

$C_8H_{18}$  MW : 114,23 \* CAS : 540-84-1 \* EC : 208-759-1  
 \* EC INDEX : 601-009-00-8  
 UN 1262 \* ADR : 3 II UN 1262 \* IMDG : 3 II UN 1262 \* IATA : 3 II UN 1262


**Isooctane UV & HPLC Grade**

Assay > 99.5 % (C8H18)  
 H<sub>2</sub>O < 100ppm  
 Acid. < 0.0005 meq/g  
 Non volatile residue < 0.0005%  
 T220nm > 80%  
 T230nm > 95%  
 T240nm > 98%  
 T250nm > 99%

Reference	Packaging	Size
ISCT-00H-2K5	glass bottle GL45	2,5 L

**Isooctane Analytical Grade ACS, Ph.Eur.**

Assay > 99.5 % (C8H18) Cr < 0.000002%  
 Non volatile residue < 0.001% Cu < 0.000002%  
 H<sub>2</sub>O < 0.01% Fe < 0.00001%  
 Free acid < 0.0005% Mg < 0.00001%  
 Al < 0.00005% Mn < 0.000002%  
 B < 0.000002% Ni < 0.000002%  
 Ba < 0.00001% Pb < 0.00001%  
 Ca < 0.00005% Sn < 0.00001%  
 Cd < 0.000005% Zn < 0.00001%  
 Co < 0.000002% S < 0.005%

Reference	Packaging	Size
ISCT-00A-1K0	glass bottle GL45	1 L
ISCT-00A-2K5	glass bottle GL45	2,5 L

**Laboratory detergents Labkem cleaner**

**Labkem cleaner M66 Alkaline liquid detergent for manual washing, immersion and ultrasonic baths**

Color Yellowish translucent  
 Odor Characteristic smell  
 pH (pure) 13,3  
 pH (2% v/v) 11,7  
 Density 1,115  
 Dry residue 17%  
 Contents: Alkalis, surfactants, chlorinated agents

Reference	Packaging	Size
SOAP-066-5K0	plastic bottle	5 L

**Labkem cleaner M67 Alkaline liquid detergent, phosphate free, for manual washing, immersion and ultrasonic baths**

Color Yellowish translucent  
 Odor Characteristic smell  
 pH (pure) 13,0  
 pH (2% v/v) 11,8  
 Density 1,070  
 Dry residue 12.5%  
 Contents: Alkalis, surfactants, carbonates

Reference	Packaging	Size
SOAP-067-5K0	plastic bottle	5 L

**Labkem cleaner M68 Neutral liquid detergent, for manual washing, immersion and ultrasonic baths**

Color Yellowish translucent  
 Odor Characteristic smell  
 pH (pure) 6,4  
 pH (2% v/v) 7,7  
 Density 1,070  
 Dry residue 13.1 %  
 Contents: Ssurfactants, complexing agents. Sequestering agents

Reference	Packaging	Size
SOAP-068-5K0	plastic bottle	5 L

**Labkem cleaner A102 Alkaline liquid detergent, phosphate free, for automatic washing machine**

Color Colourless  
 Odor Odourless  
 pH (pure) 13,6  
 pH (2% v/v) 12  
 Density 1,128  
 Dry residue 15.4%  
 Contents: Alkalis, sequestering agents, chlorinated agents

Reference	Packaging	Size
SOAP-102-5K0	plastic bottle	5 L

**Labkem cleaner A104 Neutral liquid detergent, phosphate free, for automatic washing machines**

Color Light yellow  
 Odor Odourless  
 pH (pure) 9,6  
 pH (0,3% v/v) 10,3  
 Density 1,162  
 Dry residue 21.7%  
 Contents: Surfactants, complexing agents, sequestering agents

Reference	Packaging	Size
SOAP-104-5K0	plastic bottle	5 L

**Labkem cleaner A105 Alkaline cleaning agent (powder) for automatic washing machine**

Color White powder  
 Odor Chlorinated smell  
 pH (pure) N.A.  
 pH (0.3% v/v) 10.6  
 Density N.A.  
 Solids residue 96.5%  
 Contents: Surfactants, phosphates, hydrates, chlorinated agents

Reference	Packaging	Size
SOAP-105-5K0	plastic bottle	5 kg

**Labkem rinse agent A103 Acid rinsing liquid for automatic washing machines**

Color Translucent  
 Odor Characteristic smell  
 pH (pure) 1,3  
 pH (2% v/v) 2,4  
 Density 1,125  
 Dry residue 96.8 %  
 Contents: Organic acid, mineral salts

Reference	Packaging	Size
SOAP-103-5K0	plastic bottle	5 L

## Lactic acid

$C_3H_5O_3$  MW : 90,08 \* CAS : 50-21-5



### Lactic acid Analytical Grade

Assay >88.0% (After hydrolysis of anhydrides) Sulphate (SO<sub>4</sub>) < 0.005%  
 Density (20 °C) 1.200 - 1.206 g/ml Arsenic (As) < 0.00001%  
 Sulphated ash < 0.01% Copper (Cu) < 0.0001%  
 Chloride (Cl) < 0.001% Iron (Fe) < 0.0001%  
 Lead (Pb) < 0.0001%

Reference	Packaging	Size
LACA-00A-1K0	plastic bottle GL45	1 L

## Lactophenol (cotton blue) solution

UN 2821 \* ADR : 6.1 T1 II UN 2821 \* IMDG : 6,1 II UN 2821 \* IATA : 6,1 II UN 2821



### Lactophenol (cotton blue) solution for microscopy

Blue solution for staining fungi  
 Suitability for microscopy: passes test  
 Soluble in water (20 °C): soluble

Reference	Packaging	Size
LACP-00D-100	glass bottle	100 ml

## Lactose monohydrate

Milk sugar, Lactobiose

$C_{12}H_{22}O_{11} \cdot H_2O$  MW : 360.32 \* CAS : 10039-26-6 \* EC : 200-559-2

### Lactose monohydrate Analytical Grade Ph. Eur., BP, NF

Specific rotation alpha (20/D) (10% in water) +52.00° to + 53.00° Sulphated ash < 0.05%  
 Nitrogen compounds (N) < 0.02%  
 Water 4.8-5.4% Arsenic (As) < 0.0001%  
 Free acid limit < 0.25 ml N% Copper (Cu) < 0.00005%  
 Insoluble matter < 0.005% Iron (Fe) < 0.0002%  
 Alcohol-soluble impurities < 0.2% Lead (Pb) < 0.00005%

Reference	Packaging	Size
LACT-01A-500	plastic bottle	500 g

## Lead (II) nitrate

$Pb(NO_3)_2$  MW : 331,21 \* CAS : 10099-74-8 \* EC : 233-245-9  
 \* EC INDEX : 082-001-00-6

UN 1469 \* ADR : 5.1 T2 II UN 1469 \* IMDG : 5.1 II UN 1469 \* IATA : 5.1 II UN 1469



### Lead (II) nitrate Analytical Grade ACS

Assay >99.5% Insoluble matter < 0.005% Iron (Fe) < 0.0005%  
 Reaction > pH 3.5 Potassium (K) < 0.005%  
 Chloride (Cl) < 0.0005% Sodium (Na) < 0.02%  
 Calcium (Ca) < 0.005%  
 Copper (Cu) < 0.0005%

Reference	Packaging	Size
LENA-00A-500	plastic bottle	500 g

## Lead (II) nitrate Extra Pure

Assay >99.0%  
 Chloride (Cl) < 0.005%  
 Substance not precipitated by hydrogen sulphide (as SO<sub>4</sub>) < 0.2%  
 Copper (Cu) < 0.002%  
 Iron (Fe) < 0.002%

Reference	Packaging	Size
LENA-00T-500	plastic bottle	500 g

## L-Leucine 99+%

$C_6H_{13}NO_2$  MW : 131,18 \* CAS : 61-90-5 \* EC : 200-522-0

### L-Leucine 99+% for biochemistry Ph. Eur., USP

Assay >99% (HClO<sub>4</sub> titration) Residue on ignition (as SO<sub>4</sub>) < 0.1%  
 Specific rotation alpha (20/D) [C=4 in 6M HCl calc. on anhydrous substance) +14.9° to +16.50° Chloride (Cl) < 0.02%  
 pH of 1% solution 5.5-7.0 Other ninhydrin-positive substances (as glycine) < 0.1%  
 Appearance of solution: passes test Sulphate (SO<sub>4</sub>) < 0.03%  
 Foreign amino acids < 0.3% Iron (Fe) < 0.001%  
 Insoluble matter in HCl 1 ml: passes test Heavy metals (Pb) < 0.001%  
 Loss on drying at 105°C < 0.2% Ammonium (NH<sub>4</sub>) < 0.02%

Reference	Packaging	Size
LEUC-00B-025	plastic bottle	25 g

## Lithium carbonate

$Li_2CO_3$  MW : 73.89 \* CAS : 554-13-2 \* EC : 209-062-5



### Lithium carbonate Analytical Grade ACS

Assay >99% Chloride (Cl) < 0.002% Calcium (Ca) < 0.005%  
 Nitrate (NO<sub>3</sub>) < 0.0005% Iron (Fe) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.005% Potassium (K) < 0.005%  
 Heavy metals (as Pb) < 0.001% Magnesium (Mg) < 0.001%  
 Ammonium (NH<sub>4</sub>) < 0.0005% Sodium (Na) < 0.005%

Reference	Packaging	Size
LICA-00A-250	plastic bottle	250 g

## Lithium chloride

$LiCl$  MW : 42,39 \* CAS : 7447-41-8 \* EC : 231-212-3



### Lithium chloride Analytical Grade ACS

Assay >99% pH (5% solution) 5.0-7.0 Insoluble matter < 0.005%  
 Loss on drying < 2.0%  
 Nitrogen Compounds (N) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Calcium (Ca) < 0.005%  
 Copper (Cu) < 0.0005%  
 Iron (Fe) < 0.0005%  
 Lead (Pb) < 0.0005%  
 Magnesium (Mg) < 0.005%  
 Potassium (K) < 0.02%  
 Sodium (Na) < 0.02%

Reference	Packaging	Size
LICH-00A-100	plastic bottle	100 g

### Lithium hydroxyde monohydrate

LiOH·H<sub>2</sub>O MW : 41,96 \* CAS : 1310-66-3 \* EC : 215-183-4  
 UN 2680 \* ADR : 8 C6 II UN 2680 \* IMDG : 8 II UN 2680 \* IATA : 8 II UN 2680



#### Lithium hydroxyde monohydrate Analytical Grade ACS

Assay >99.5%  
 Acid-insoluble matter < 0.005%  
 Carbonate (Li<sub>2</sub>CO<sub>3</sub>) < 0.5%  
 Chloride (Cl) < 0.002%  
 Sulphate (SO<sub>4</sub>) < 0.02%  
 Calcium (Ca) < 0.02%  
 Copper (Cu) < 0.0001%  
 Iron (Fe) < 0.0002%  
 Lead (Pb) < 0.0001%  
 Magnesium (Mg) < 0.0005%  
 Potassium (K) < 0.002%  
 Sodium (Na) < 0.01%

Reference	Packaging	Size
LIHY-01A-250	plastic bottle	250 g

### Lithium nitrate

LiNO<sub>3</sub> MW : 68,94 \* CAS : 7790-69-4 \* EC : 232-218-9  
 UN 2722 \* ADR : 5.1 O2 III UN 2722 \* IMDG : 5.1 III UN 2722 \* IATA : 5.1 III UN 2722



#### Lithium nitrate Analytical Grade

Assay >98%  
 Chloride (Cl) < 0.005%  
 Sulphate (SO<sub>4</sub>) < 0.01%  
 Iron (Fe) < 0.0005%  
 Lead (Pb) < 0.002%  
 Potassium (K) < 0.002%  
 Sodium (Na) < 0.005%

Reference	Packaging	Size
LINA-00A-250	plastic bottle	250 g

### Litmus

CAS : 1393-92-6

#### Litmus indicator Extra Pure

pH 5.0-8.0 red to blue

Reference	Packaging	Size
LITM-00D-025	plastic bottle	25 g

### Luff-Schoorl reagent

UN 3082 \* ADR : 9 M6 III UN 3082 \* IMDG : 9 III UN 3082 \* IATA : 9 III UN 3082



#### Luff-Schoorl reagent Analytical Grade

0.1 N Cu in 2 N Na<sub>2</sub>CO<sub>3</sub>

Reference	Packaging	Size
LUSC-00A-1K0	plastic bottle	1 L

### Lugol solution

#### Lugol solution Analytical Grade

(I2) 1%  
 (KI) 2%

Reference	Packaging	Size
LUGO-00A-250	glass bottle	250 ml
LUGO-00A-1K0	glass bottle	1 L

### L-Lysine monohydrochloride

C<sub>6</sub>H<sub>13</sub>ClN<sub>2</sub>O<sub>2</sub> MW : 182,65 \* CAS : 657-27-2 \* EC : 211-519-9

#### L-Lysine monohydrochloride 99% for synthesis

Assay 98.5-100.0%(Percl. Ac.)  
 Specific rotation (alfa (20/D)), C=8(in HCl) calc. on anhydrous substance +21.0 to +22.5°  
 Specific rotation (alfa (25/D)), C=8 (in HCl) calc. on anhydrous substance +20.4 to +21°  
 Loss on drying at 110°C < 0.4%  
 Sulphated ash < 0.1%  
 Iron (Fe) < 0.003%  
 Lead (Pb) < 0.001%  
 Ammonium (NH<sub>4</sub>) < 0.02%  
 Sulphate (SO<sub>4</sub>) < 0.03%

Reference	Packaging	Size
LYHC-00T-100	plastic bottle	100 g

### Magnesium (metal)

Mg MW : 24,31 \* CAS : 7439-95-4 \* EC : 231-104-6  
 \* EC INDEX : 012-001-00-3

UN 1418 \* ADR : 4.3 (4,2) WS II UN 1418 \* IMDG : 4.3 (4,2) II UN 1418 \* IATA : 4.3(4,2) II UN 1418



#### Magnesium (metal) powder Extra Pure

Assay >99.0% of Mg  
 Iron (Fe) < 0.05%  
 Substances insoluble in HCl < 0.05%

Reference	Packaging	Size
MGPW-P0T-100	plastic bottle	100 g

#### Magnesium (metal) ribbon Extra Pure

Assay >99.5% of Mg  
 Substances insolubles in HCl < 0.05%  
 Lead (Pb) < 0.01%  
 Copper (Cu) < 0.005%  
 Iron (Fe) < 0.05%

Reference	Packaging	Size
MGPW-R0T-025	plastic bottle	25 g

**Magnesium chloride hexahydrate**
 $MgCl_2 \cdot 6 H_2O$  MW : 203,3 \* CAS : 7791-18-6 \* EC : 232-094-6

**Magnesium chloride hexahydrate Analytical Grade ACS, BP**

Assay >98%	Copper (Cu) < 0.0002%
Alcohol-insoluble matter passes test	Iron (Fe) < 0.0002%
Water-insoluble matter < 0.003%	Lead (Pb) < 0.0002%
Acidity (HCl) < 0.001%	Manganese (Mn) < 0.0005%
Alkalinity (MgO) < 0.0005%	Potassium (K) < 0.005%
Nitrogen compounds (N) < 0.002%	Sodium (Na) < 0.005%
Phosphate (PO <sub>4</sub> ) < 0.0002%	Zinc (Zn) < 0.001%
Sulphate (SO <sub>4</sub> ) < 0.002%	
Arsenic (As) < 0.0001%	
Barium (Ba) < 0.005%	
Calcium (Ca) < 0.002%	

Reference	Packaging	Size
MGCH-06A-500	plastic bottle	500 g

**Magnesium chloride hexahydrate Analytical Grade Ph.Eur.**

Assay 98.0 % - 101.0 % (MgCl <sub>2</sub> ·6H <sub>2</sub> O)	Arsenic: ≤ 2 ppm
Appearance: Colourless crystals, hygroscopic	Calcium: ≤ 0.1 per cent
Identification: Conforms	Iron: ≤ 10 ppm
Appearance of solution: Conforms	Potassium: ≤ 500 ppm
Acidity or alkalinity: Passes test	Heavy metals: ≤ 10 ppm
Bromides: ≤ 500 ppm	Water: 51.0 % - 55.0 %
Sulfates: ≤ 100 ppm	
Aluminium: ≤ 1 ppm	

Reference	Packaging	Size
MGCH-06P-1K0	plastic bottle	1 kg
MGCH-06P-5K0	plastic bottle	5 kg

**Magnesium nitrate hexahydrate**
 $Mg(NO_3)_2 \cdot 6 H_2O$  MW : 256,41 \* CAS : 13446-18-9 \* EC : 233-826-7

UN 1474 \* ADR : 5.1 O2 III UN 1474 \* IMDG : 5.1 III UN 1474 \* IATA : 5.1 III UN 1474


**Magnesium nitrate hexahydrate Analytical Grade ACS**

Assay >99%	Barium and Strontium (as Ba) < 0.002%
pH (5% water) 5-7	Calcium (Ca) < 0.005%
Chloride (Cl) < 0.001%	Iron (Fe) < 0.0005%
Phosphate (PO <sub>4</sub> ) < 0.0005%	Potassium (K) < 0.0005%
Sulphate (SO <sub>4</sub> ) < 0.002%	Manganese (Mn) < 0.0005%
Heavy metals (as Pb) < 0.0005%	Sodium (Na) < 0.0005%
Ammonium (NH <sub>4</sub> ) < 0.001%	Melting point 90°C
Arsenic (As) < 0.0001%	

Reference	Packaging	Size
MGNA-06A-500	plastic bottle	500 g

**Magnesium sulfate anhydrous**
 $MgSO_4$  MW : 120,37 \* CAS : 7487-88-9 \* EC : 231-298-2

**Magnesium sulfate anhydrous GLR**

Assay > 98%  
 Water < 0.5%  
 Calcium sulfate < 0,5%  
 Potassium sulfate < 0,6%  
 Granulometry 0,1-1 mm >95 %

Reference	Packaging	Size
MGSU-AOP-1K0	plastic bottle	1 kg
MGSU-AOP-5K0	plastic bottle	5 kg

**Magnesium sulfate heptahydrate**

bitter salt, epsom salt, sulfuric acid magnesium salt heptahydrate

 $MgSO_4 \cdot 7 H_2O$  MW : 246,48 \* CAS : 10034-99-8 \* EC : 231-298-2

**Magnesium sulfate heptahydrate Analytical Grade ACS**

Assay >99.5%	Calcium (Ca) < 0.005%
pH (5% water) 5.0-8.0	Iron (Fe) < 0.0001%
Chloride (Cl) < 0.0005%	Potassium (K) < 0.001%
Total Nitrogen (N) < 0.002%	Manganese (Mn) < 0.0005%
Heavy metals (as Pb) < 0.0005%	Sodium (Na) < 0.001%

Reference	Packaging	Size
MGSU-07A-500	plastic bottle	500 g

**Magnesium sulfate heptahydrate Extra Pure Ph. Eur., USP**

Assay 99.0-100.5%  
 pH (5% water) 5.0 - 9.2  
 Water insoluble matter < 0.025%  
 Free alkali (as NaOH) < 0.008%  
 Free acid (as H<sub>2</sub>SO<sub>4</sub>) < 0.01%  
 Chloride (Cl) < 0.014%  
 Phosphate (PO<sub>4</sub>) < 0.002%  
 Ammonium (NH<sub>4</sub>) < 0.005%  
 Heavy metals (as Pb) < 0.001%  
 Arsenic (As) < 0.0002%  
 Iron (Fe) < 0.001%  
 Selenium (Se) < 0.001%  
 Loss on drying (450 °C) 48 - 52%

Reference	Packaging	Size
MGSU-07T-500	plastic bottle	500 g

**DL-Malic acid**
 $C_4H_6O_5$  MW : 134,09 \* CAS : 617-48-1 \* EC : 200-522-0

**DL-Malic acid 99% Extra Pure**

Assay >99.0%  
 Melting point 129-132°C  
 Sulphated ash < 0.1%  
 Chloride (HCl) < 0.2%  
 Fumaric acid < 2.0%

Reference	Packaging	Size
MA LI-00T-500	plastic bottle	500 g

**Manganese (II) chloride tetrahydrate**
 $MnCl_2 \cdot 4H_2O$  MW : 197,9 \* CAS : 13446-34-9 \* EC : 231-869-6

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 II UN 3077 \* IATA : 9 II UN 3077


**Manganese (II) chloride tetrahydrate Analytical Grade**

Assay 98.0-101.0%	Lead (Pb) < 0.0002%
Insoluble matter < 0.003%	Zinc (Zn) < 0.02%
Sulphate (SO <sub>4</sub> ) < 0.0025%	Magnesium (Mg) < 0.04%
Barium (Ba) < 0.01%	Nickel (Ni) < 0.002%
Calcium (Ca) < 0.04%	Potassium (K) < 0.01%
Sodium (Na) < 0.02%	Substance reducing iodine < 0.0065%
Copper (Cu) < 0.0002%	
Iron (Fe) < 0.001%	

Reference	Packaging	Size
MNCH-04A-500	plastic bottle	500 g

**Manganese (IV) oxide 80%**

MnO<sub>2</sub> MW : 86,94 \* CAS : 1313-13-9 \* EC : 215-202-6  
\* EC INDEX : 025-001-00-3

UN 1479 \* ADR : 5.1 O2 II UN 1479 \* IMDG : 5.1 II UN 1479 \* IATA : 5.1 II UN 1479


**Manganese (IV) oxide 80% Analytical Grade**

Assay >80% Lead (Pb) < 0.09%  
Free Moisture < 3% Copper (Cu) < 0.002%  
Insoluble matter in HCl < 0.5% Sulphate (SO<sub>4</sub>) < 1.2%  
Iron (Fe) < 0.1% pH (5% water extract) 4.5-6.5

Reference	Packaging	Size
MNOX-00T-100	plastic bottle	100 g

**Manganese (II) sulfate monohydrate**

MnSO<sub>4</sub>·H<sub>2</sub>O MW : 169.02 \* CAS : 10034-96-5 \* EC : 232-089-9  
\* EC INDEX : 025-003-00-4

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077


**Manganese (II) sulfate monohydrate Analytical Grade ACS**

Assay >99% Magnesium (Mg) < 0.004%  
Insoluble matter < 0.01% Nickel (Ni) < 0.002%  
Reaction > pH 3.5 Potassium (K) < 0.01%  
Chloride (Cl) < 0.001% Sodium (Na) < 0.02%  
Calcium (Ca) < 0.004% Zinc (Zn) < 0.01%  
Copper (Cu) < 0.001% Substances reducing Iodine (I) < 0.01%  
Iron (Fe) < 0.0015% Substances reducing Permanganate (O) < 0.001%  
Lead (Pb) < 0.001%

Reference	Packaging	Size
MNSU-01A-500	plastic bottle	500 g

**D(-)-Mannitol**

C<sub>6</sub>H<sub>14</sub>O<sub>6</sub> MW : 182,17 \* CAS : 69-65-8 \* EC : 200-711-8

**D(-)-Mannitol for bacteriology Analytical Grade ACS**

Assay >99.0% Sulphate (SO<sub>4</sub>) < 0.005%  
Melting point 165-169°C Arsenic (As) < 0.0001%  
Specific rotation +23 to +25° Substance darkened by H<sub>2</sub>SO<sub>4</sub>: passes test  
Loss on drying (105°C) < 0.05% Calcium (Ca) < 0.001%  
Insoluble mater < 0.01% Copper (Cu) < 0.0005%  
Acidity (CH<sub>3</sub>COOH) < 0.005% Iron (Fe) < 0.0005%  
Reducing sugars (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>) < 0.05% Lead (Pb) < 0.0005%  
Sulphated ash < 0.02% D(-)-Sorbitol(GC) < 1.0%  
Chloride (Cl) < 0.001%

Reference	Packaging	Size
MANL-00A-500	plastic bottle	500 g

**Marble**

CaCO<sub>3</sub> MW : 100,09 \* CAS : 471-34-1 \* EC : 207-439-9

**Marble pieces 3-4 mm**

Type Analysis  
Particle size: 3-4 mm

Reference	Packaging	Size
MARB-001-1K0	plastic bottle	1 kg

**May-Grünwald's solution eosine-methylene blue modified for microscopy**

UN 1230 \* ADR : 3 (6,1) FT1 II UN 1230 \* IMDG : 3 (6,1) II UN 1230 \* IATA : 3 (6,1) II UN 1230


**May-Grünwald's solution eosine-methylene blue modified for microscopy**

Absorption max. λ1 (diluted 1:250 in methanol) 645 -651 nm  
Absorption max. λ2 (diluted 1:250 in methanol) 520 -528 nm  
Absorbance A1, λ1 (diluted 1:250 in methanol) 0.500 - 0.800  
Absorbance A1, λ2 (diluted 1:250 in methanol) 0.300 - 0.400  
Suitability for microscopy: passes test

Reference	Packaging	Size
EOBL-MSD-500	plastic bottle	500 ml

**May-Grünwald's stain for microscopy**

**May-Grünwald's stain for microscopy**

Loss on drying (105°C) < 10%  
Absorbance max. at λ1 648-653 nm  
Absorbance max. at λ2 520-528 nm  
Specific absorptivity A 1%/1 cm at λ1(dried subs.) 1100-1300  
Specific absorptivity A 1%/1 cm at λ2(dried subs.) 600-800

Reference	Packaging	Size
EOBL-M0D-025	plastic bottle	25 g

**Mercury (II) acetate**

Hg(CH<sub>3</sub>COO)<sub>2</sub> MW : 318,68 \* CAS : 1600-27-7 \* EC : 216-491-1  
\* EC INDEX : 080-004-00-7

UN 1629 \* ADR : 6.1 T5 II UN 1629 \* IMDG : 6.1 II UN 1629 \* IATA : 6.1 II UN 1629


**Mercury (II) acetate Analytical Grade ACS**

Assay >99%  
Substances include in diluted acetic acid < 0.01%  
Chloride (Cl) < 0.005%  
Sulphate (SO<sub>4</sub>) < 0.005%  
Nitrate (NO<sub>3</sub>) < 0.005%  
Foreign heavy metals (as Pb) < 0.002%  
Iron (Fe) < 0.001%  
Mercury (I) (as Hg) < 0.3%  
Substances not reducible with formic acid (residue on ignition) < 0.02%

Reference	Packaging	Size
HGAC-00A-100	glass bottle	100 g

### Mercury (II) chloride

$\text{HgCl}_2$  MW : 271,5 \* CAS : 7487-94-7 \* EC : 231-299-8  
 \* EC INDEX : 080-010-00-X  
 UN 1624 \* ADR : 6.1 T5 II UN 1624 \* IMDG : 6.1 II UN 1624 \* IATA : 6.1 II UN 1624



#### Mercury (II) chloride Analytical Grade ACS

Assay >99.5%  
 Ether-insoluble matter < 0.01%  
 Water-insoluble matter < 0.01%  
 Non-volatile matter < 0.02%  
 Residue after reduction with formic acid < 0.02%  
 Nitrate ( $\text{NO}_3$ ) < 0.001%  
 Calcium (Ca) < 0.001%  
 Copper (Cu) < 0.0005%  
 Iron (Fe) < 0.001%  
 Lead (Pb) < 0.0005%  
 Magnesium (Mg) < 0.001%  
 Potassium (K) < 0.005%  
 Sodium (Na) < 0.005%

Reference	Packaging	Size
HGCH-00A-100	plastic bottle	100 g

### Mercury(II) iodide red

$\text{HgI}_2$  MW : 454,4 \* CAS : 7774-29-0 \* EC : 231-873-8  
 \* EC INDEX : 080-002-00-6  
 UN 1638 \* ADR : 6.1 II UN 1638 \* IMDG : 6.1 II UN 1638 \* IATA : 6.1 II UN 1638



#### Mercury(II) iodide red Analytical Grade

Assay min. 99,0 %  
 Solubility mercury salts (as Hg) max. 0,05 %  
 Solubility (10% in 10% KI) passes test  
 Copper (Cu) max. 0,001 %  
 Nickel (Ni) max. 0,001 %  
 Lead (Pb) max. 0,001 %  
 Mercury (I) (as Hg) max. 0,1 %

Reference	Packaging	Size
HGIO-00A-025	plastic bottle	25 g

### Mercury (I) nitrate dihydrate

$\text{Hg}_2(\text{NO}_3)_2 \cdot 2 \text{H}_2\text{O}$  MW : 561,22 \* CAS : 14836-60-3 \* EC : 233-886-4  
 \* EC INDEX : 080-002-00-6  
 UN 1627 \* ADR : 6.1 T5 II UN 1627 \* IMDG : 6.1 II UN 1627 \* IATA : 6.1 II UN 1627



#### Mercury (I) nitrate dihydrate Analytical Grade ACS

Assay >98%  
 Chloride (Cl) < 0.005%  
 Sulphate ( $\text{SO}_4$ ) < 0.005%  
 Foreign heavy metals (as Pb) < 0.002%  
 Iron (Fe) < 0.001%  
 Mercury (II) (as Hg) < 0.5%  
 Substances not reducible with formic acid (as  $\text{SO}_4$ ) < 0.01%  
 Substances insoluble in dilute nitric acid: passes test

Reference	Packaging	Size
HGNA-02A-100	glass bottle	100 g

### Mercury (II) oxide red

$\text{HgO}$  MW : 216,58 \* CAS : 21908-53-2 \* EC : 244-654-7  
 \* EC INDEX : 080-002-00-6  
 UN 1641 \* ADR : 6.1 T5 II UN 1641 \* IMDG : 6.1 II UN 1641 \* IATA : 6.1 II UN 1641



#### Mercury (II) oxide red Analytical Grade ACS

Assay 99-100.5%  
 Substances insoluble in HCl < 0.03%  
 Chloride (Cl) < 0.01%  
 Sulphate ( $\text{SO}_4$ ) < 0.005%  
 Total nitrogen (N) < 0.005%  
 Lead (Pb) < 0.0005%  
 Copper (Cu) < 0.0005%  
 Cadmium (Cd) < 0.0001%  
 Zinc (Zn) < 0.0005%  
 Iron (Fe) < 0.005%  
 Substances not reducible with formic acid (residue on ignition) < 0.025%

Reference	Packaging	Size
HGOX-R0A-050	plastic bottle	50 g

### Methanol

Carbinol, Methyl Alcohol  
 $\text{CH}_3\text{OH}$  MW : 32,04 \* CAS : 67-56-1 \* EC : 200-659-6  
 \* EC INDEX : 603-001-00-X

UN 1230 \* ADR : 3 FT1 II UN 1230 \* IMDG : 3(6.1) II UN 1230 \* IATA : 3(6.1) II UN 1230



#### Methanol HPLC gradient grade

Assay >99.9%  
 $\text{H}_2\text{O}$  < 500ppm  
 Acid. < 0.0005 meq/g  
 Non volatile residue 0.0005%  
 UV Cut-off, 206nm max  
 $T_{225\text{nm}}$  > 67%  
 $T_{235\text{nm}}$  > 83%  
 $T_{260\text{nm}}$  > 98%

Reference	Packaging	Size
MTOL-0GH-2K5	glass bottle GL45	2,5 L

#### Methanol HPLC isocratic grade

Assay >99.8%  
 $\text{H}_2\text{O}$  < 500ppm  
 Acid. < 0.0005 meq/g  
 Non volatile residue 0.0005%  
 $T_{225\text{nm}}$  > 50%  
 $T_{240\text{nm}}$  > 80%  
 $T_{280\text{nm}}$  > 98%

Reference	Packaging	Size
MTOL-0IH-2K5	glass bottle GL45	2,5 L

#### Methanol Analytical Grade ACS,ISO,Ph.Eur.

Assay >99.8%  
 Non volatile residue < 0.001%  
 Free acid < 0.002%  
 $\text{Ba}$  < 0.00001%  
 $\text{Co}$  < 0.000002%  
 $\text{Fe}$  < 0.00001%  
 $\text{Ni}$  < 0.000002%  
 $\text{Zn}$  < 0.00001%  
 Acetaldehyde < 0.001%  
 Formaldehyde < 0.01%  
 $\text{H}_2\text{O}$  < 0.05%  
 $\text{Al}$  < 0.00005%  
 $\text{Ca}$  < 0.00005%  
 $\text{Cr}$  < 0.00002%  
 $\text{Mg}$  < 0.00001%  
 $\text{Pb}$  < 0.00002%  
 $\text{Cl}$  < 0.00005%  
 Acetone < 0.001%  
 Red. < 0.00025%

Reference	Packaging	Size
MTOL-0IA-1K0	plastic bottle GL45	1 L
MTOL-0IA-2K5	plastic bottle GL45	2,5 L
MTOL-0IA-5K0	plastic bottle	5 L



**Methanol Analytical Grade**

Assay >99.8%  
 Water (H<sub>2</sub>O) < 0.1%  
 Residue after evaporation < 0.001%  
 Solubility in water: passes test  
 Acetone < 0.001%  
 Formaldehyde < 0.001%  
 Acetaldehyde < 0.001%  
 Titratable acid < 0.001%  
 Titratable base < 0.001%  
 Substances darkened by sulphuric acid:  
 passes test  
 Substances reducing permanganate: passes  
 test

Reference	Packaging	Size
MTOL-00A-1K0	plastic bottle GL45	1 L
MTOL-00A-2K5	plastic bottle GL45	2,5 L

**Methanol Extra Pure**

Assay >99.5%  
 Density (20 °C) 0.790-0.793 g/ml  
 Refractive index 1.328 - 1.331  
 Non-volatile matter < 0.005%  
 Aldehydes and Ketones [(CH<sub>3</sub>)<sub>2</sub>CO] < 0.1%  
 Water < 0.25%

Reference	Packaging	Size
MTOL-00T-2K5	plastic bottle GL45	2,5 L
MTOL-00T-5K0	plastic bottle	5 L

**Methanol 99.8 % GLR**

Assay ≥ 99.8%  
 Appearance Colourless transparent liquid  
 Colour (Pt-Co) ≤ 10  
 Water ≤ 0.1%  
 Density (20°C) ≤ 0,7933 g/ml  
 Non Volatile Residue ≤ 0.0015%  
 Acetone ≤ 0,003%  
 Chloride (Cl) ≤ 0.1 ppm  
 Substances reducing permanganate: passes  
 test (>30min.)

Reference	Packaging	Size
MTOL-P0P-1K0	plastic bottle	1 L
MTOL-P0P-2K0	plastic bottle	2 L
MTOL-G0P-1K0	glass bottle	1 L
MTOL-P0P-5K0	plastic bottle	5 L
MTOL-P0P-10K	plastic bottle	10 L
MTOL-M0P-25K	metal can	25 L

**Methyl ethyl ketone**

MEK, 2-Butanone, Ethylmethylketone

CH3COC2H5  
 MW : 72,11 \* CAS : 78-93-3 \* EC : 201-159-0  
 \* EC INDEX : 606-002-00-3

UN 1193 \* ADR : 3, II UN 1193 \* IMDG : 3, II UN 1193 \* IATA : 3, II UN 1193


**Methyl ethyl ketone 99.5% GLR**

Assay ≥ 99.5%  
 Appearance Colourless transparent liquid  
 Colour (Pt-Co) ≤ 10  
 Water ≤ 0.1%  
 Density (20°C) 0.804 – 0.806 g/ml  
 Non Volatile Residue ≤ 0.002%  
 Acidity (CH<sub>3</sub>COOH) ≤ 0,005%

Reference	Packaging	Size
MEKT-G0P-1K0	glass bottle	1 L
MEKT-P0P-5K0	plastic bottle	5 L
MEKT-M0P-5K0	metal can	5 L
MEKT-P0P-10K	plastic bottle	10 L
MEKT-M0P-25K	metal can	25 L

**Methyl orange, C.I. 13025**

4-Dimethylaminoazobenzene-4'-sulfonic acid sodium salt, Gold orange, Helianthine, Orange III

C14H14N2NaO3S MW : 327.34 \* CAS : 547-58-0 \* EC : 208-925-3

UN 2811 \* ADR : 6.1 T2 III UN 2811 \* IMDG : 6.1 III UN 2811 \* IATA : 6.1 III UN 2811


**Methyl orange, C.I. 13025 ACS**

pH 3.1-4.4 Red to yellow orange

Reference	Packaging	Size
MTOR-00D-100	plastic bottle	100 g

**Methyl orange, solution 0,04%**

4-Dimethylaminoazobenzene-4'-sulfonic acid sodium salt, Gold orange, Helianthine, Orange III

C14H14N2NaO3S MW : 327.34 \* CAS : 547-58-0 \* EC : 208-925-4

UN 2811 \* ADR : 6.1 T2 III UN 2811 \* IMDG : 6.1 III UN 2811 \* IATA : 6.1 III UN 2811


**Methyl orange, solution 0,04%**

pH 3.1-4.4 Red to yellow orange

Reference	Packaging	Size
MTOR-00D-250	plastic bottle	250 ml

**Methyl red, C.I. 13020**

4-Dimethylaminoazobenzene-2'-carboxylic acid, 2-[4-(Dimethylamino)Phenylazo]Benzoic Acid, Acid Red 2

C15H15N3O3 MW : 269,32 \* CAS : 493-52-7 \* EC : 207-776-2

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077


**Methyl red, C.I. 13020 ACS**

pH 4.4-6.2 Red to yellow orange

Reference	Packaging	Size
MTRE-00D-010	glass bottle	10 g
MTRE-00D-100	plastic bottle	100 g

**Methylene blue, C.I. 52015**

3,7-Bis(Dimethylamino)Pheno-5-thiazinium Chloride, C.I. Basic Blue 9, Tetramethylthionine Chloride

C16H16ClN3SxH2O MW : 319.85 (anhydrous substance) \* CAS : 122965-43-9 \* EC : 200-515-2


**Methylene blue, C.I. 52015 Analytical Grade**

Assay min. 82,0 %  
 Loss on drying (110°C) 8,0 – 16,0 %  
 Maximum of absorption (H<sub>2</sub>O) 663 - 667 nm  
 Absorption (1%, 1cm, water) min. 2200  
 Coefficient max. of absorption P\*15 nm  
 1,21 - 1,7  
 TLC test passes test  
 Appearance green crystals

Reference	Packaging	Size
MEBL-00D-100	plastic bottle	100 g

## Naphtalene

$C_{10}H_8$  MW : 128,17 \* CAS : 91-20-3 \* EC : 202-049-5  
\* EC INDEX : 601-052-00-2

UN 1334 \* ADR : 4.1 F1 III UN 1334 \* IMDG : 4.1 III UN 1334 \* IATA : 4.1 III UN 1334



### Naphtalene 99.7% Analytical Grade

Assay >99.7%  
Melting point 79.5-81 °C

Reference	Packaging	Size
NANE-00A-500	plastic bottle	500 g

## 1-Naphtol

$C_{10}H_8O$  MW : 144,17 \* CAS : 90-15-3 \* EC : 201-969-4  
\* EC INDEX : 604-029-00-5

UN 2811 \* ADR : 6.1T2 III UN 2811 \* IMDG : 6.1 III UN 2811 \* IATA : 6.1 III UN 2811



### 1-Naphtol Analytical Grade

Assay >99.0%  
Melting point: 95-97 °C  
Insoluble matter in methanol < 0.01%  
Iron (Fe) < 0.001%  
Chloride (Cl) < 0.005%  
Heavy metals (as Pb) < 0.001%  
2-Naphthol < 0.2%  
Naphthalene < 0.2%  
Water < 0.2%  
Sulphated ash < 0.01%

Reference	Packaging	Size
NAOL-01A-100	glass bottle	100 g

## 2-Naphtol

$C_{10}H_8O$  MW : 144,17 \* CAS : 135-19-3 \* EC : 205-182-7  
\* EC INDEX : 604-007-00-5

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077



### 2-Naphtol Analytical Grade

Assay >99.0%  
Melting point 121-123 °C  
Chloride (Cl) < 0.005%  
Sulphated ash < 0.01%  
Heavy metals (as Pb) < 0.001%  
Iron (Fe) < 0.001%  
Water < 0.2%  
1-Naphthol < 0.1%  
Naphthalene < 0.1%

Reference	Packaging	Size
NAOL-02A-100	glass bottle	100 g

## Nessler's reagent

UN 2922 \* ADR : 8(6.1) CT1 II UN 2922 \* IMDG : 8(6.1) II UN 2922 \* IATA : 8(6.1) II UN 2922



## Nessler's reagent Analytical Grade

For ammonia & ammonium salts.  
This reagent should be allowed to settle before use.  
It is packed with a small amount of precipitate in order to maintain its sensitivity during storage.  
Sensitivity to ammonia: passes test

Reference	Packaging	Size
NESS-00A-250	plastic bottle	250 ml

## Neutral red, C.I. 50040

Basic Red 5, Toluylene Red

$C_{15}H_{17}ClN_4$  MW : 288,78 \* CAS : 553-24-2 \* EC : 209-035-8

### Neutral red, C.I. 50040

Absorption (in 50% ethanol) max. 539-544 nm  
Transition range pH 6.8-8.0 Violet red - orange yellow  
Dye content > 90%  
(Suitable for microscopy and microbiology)  
Supervital staining of living blood cells.)

Reference	Packaging	Size
NEUR-00D-025	plastic bottle	25 g

## Nickel (II) nitrate hexahydrate

$Ni(NO_3)_2 \cdot 6 H_2O$  MW : 290,81 \* CAS : 13478-00-7 \* EC : 236-068-5

UN 2725 \* ADR : 5.1 O2 III UN 2725 \* IMDG : 5.1 III UN 2725 \* IATA : 5.1 III UN 2725



### Nickel (II) nitrate hexahydrate Extra Pure

Assay >98%  
Chloride (Cl) < 0.005%  
Sulphate (SO4) < 0.05%  
Cobalt (Co) < 0.1%  
Iron (Fe) < 0.02%

Reference	Packaging	Size
NINA-06T-250	plastic bottle	250 g

## Nitric acid 65%

$HNO_3$  MW : 63,01 \* CAS : 7697-37-2 \* EC : 231-714-2  
\* EC INDEX : 007-004-00-1

UN 2031 \* ADR : 8 (5.1) CO1 II UN 2031 \* IMDG : 8 (5.1) II UN 2031 \* IATA : 8 (5.1) II UN 2031



### Nitric acid 65% Analytical Grade ISO

Assay > 65%  
Residue ignition < 0.0005%  
As < 0.000001%  
Ca < 0.0001%  
Cd < 0.000001%  
Cu < 0.000005%  
Fe < 0.00002%  
Pb < 0.000005%  
Zn < 0.00001%  
Cl < 0.00005%  
PO4 < 0.00005%  
SO4 < 0.0001%

Reference	Packaging	Size
NIAC-5IA-1K0	plastic bottle	1 L
NIAC-5IA-2K5	plastic bottle	2,5 L

**Nitric acid 69%**

$\text{HNO}_3$  MW : 63,01 \* CAS : 7697-37-2 \* EC : 231-714-2  
 \* EC INDEX : 007-004-00-1  
 UN 2031 \* ADR : 8 (5.1) CO1 II UN 2031 \* IMDG : 8 (5.1) II UN 2031 \* IATA : 8 (5.1) II UN 2031


**Nitric acid 69% Analytical Grade**

Assay 69-71.0%  
 Density (20 °C) 1.41-1.42 g/ml  
 Non-volatile matter < 0.001%  
 Hydrochloric acid (HCl) < 0.00005%  
 Phosphate and Silicate ( $\text{SiO}_2$ ) < 0.0001%  
 Sulphate ( $\text{SO}_4$ ) < 0.0002%  
 Arsenic (As) < 0.000001%  
 Copper (Cu) < 0.00001%  
 Iron (Fe) < 0.00002%  
 Lead (Pb) < 0.00001%  
 Manganese (Mn) < 0.00004%

Reference	Packaging	Size
NIAC-00A-1K0	glass bottle GL45	1 L
NIAC-00A-2K5	glass bottle GL45	2,5 L

**Nitric acid 69% Extra Pure**

Assay 69-72%  
 Density (20 °C) 1.41-1.42 g/ml  
 Non-volatile matter < 0.01%  
 Hydrochloric acid (HCl) < 0.005%  
 Sulphuric acid ( $\text{H}_2\text{SO}_4$ ) < 0.01%  
 Arsenic (As) < 0.0001%  
 Iron (Fe) < 0.005%  
 Lead (Pb) < 0.0005%

Reference	Packaging	Size
NIAC-00T-1K0	glass bottle GL45	1 L
NIAC-00T-2K5	glass bottle GL45	2,5 L

**Nitric acid, volumetric solution**

$\text{HNO}_3$  CAS : 7697-37-2 \* EC : 231-714-2  
 \* EC INDEX : 007-004-00-1  
 UN 2031 \* ADR : 8 C1 II UN 2031 \* IMDG : 8 II UN 2031 \* IATA : 8 II UN 2031


**Nitric acid, volumetric solution 1.0 mol/L (1.0 N)**

Tolerance  $\pm 0.005\text{M}$  (0.005N)

Reference	Packaging	Size
NIAC-1V0-1K0	plastic bottle	1 L

**p-Nitroaniline**

4-Nitroaniline  
 $\text{C}_6\text{H}_5\text{N}_2\text{O}_2$  MW : 138,12 \* CAS : 100-01-6 \* EC : 202-810-1  
 \* EC INDEX : 612-012-00-9  
 UN 1661 \* ADR : 6.1 T2 II UN 1661 \* IMDG : 6.1 II UN 1661 \* IATA : 6.1 II UN 1661


**p-Nitroaniline Analytical Grade**

Assay >99.0%  
 Melting point 147-149 °C  
 Ash < 0.05%

Reference	Packaging	Size
NIAN-P0A-100	glass bottle	100 g

**2-Nitrobenzaldehyde**

$\text{C}_7\text{H}_5\text{NO}_3$  MW : 151,12 \* CAS : 552-89-6 \* EC : 209-025-3


**2-Nitrobenzaldehyde 99% Analytical Grade**

Assay >99.0% (Hydroxylamine titration)  
 Melting point 41.0 - 43.0 °C  
 Heavy metals (as Pb) < 0.001%  
 Iron (Fe) < 0.0005%  
 Sulphated ash < 0.1%

Reference	Packaging	Size
NIBZ-00A-025	glass bottle	25 g

**Oleic acid**

$\text{C}_{17}\text{H}_{33}\text{COOH}$  MW : 282,47 \* CAS : 112-80-1 \* EC : 204-007-1

**Oleic acid Extra Pure**

Sulphated ash < 0.01%  
 Mineral acids: passes test  
 Iodine number: 89-95  
 Neutral fat, mineral oils: passes test  
 Acid number: 196-204  
 Peroxide value < 10.0

Reference	Packaging	Size
OLAC-00T-1K0	plastic bottle GL45	1 L

**Orange G, C.I. 16230**

1-Phenylazo-2-Naphthol-6,8-Disulphonic Acid Sodium Salt, Acid Orange 10

$\text{C}_{16}\text{H}_{10}\text{N}_2\text{Na}_2\text{O}_7\text{S}_2$  MW : 452,37 \* CAS : 1936-15-8 \* EC : 217-705-6

**Orange G, C.I. 16230 for microscopy**

Dye content > 80%  
 Absorption (in water) max. 476-481 nm

Reference	Packaging	Size
ORAN-G0D-025	plastic bottle	25 g

**Orcein**

Natural Red 28

$\text{C}_{28}\text{H}_{24}\text{N}_2\text{O}_7$  MW : 500,51 \* CAS : 1400-62-0 \* EC : 215-750-6

**Orcein for microscopy**

Absorption (in NaOH 0.01 mol/L) 575-582 nm  
 Loss on drying < 7%

Reference	Packaging	Size
ORCE-00D-005	glass bottle	5 g

**Orthophosphoric acid 85%**

$H_3PO_4$  MW : 98 \* CAS : 7664-38-2 \* EC : 231-633-2  
 \* EC INDEX : 015-011-00-6  
 UN 1805 \* ADR : 8 C1 III UN 1805 \* IMDG : 8 III UN 1805 \* IATA : 8 III UN 1805


**Orthophosphoric acid 85% Analytical Grade ACS, ISO, Ph.Eur.**

Assay >85.0%	Co <0.0001%
Volatile Acids <0.001%	Cu <0.0001%
Cl <0.0002%	Fe <0.0005%
F <0.0001%	K <0.0005%
NO <sub>3</sub> <0.0003%	Mg <0.001%
H <sub>3</sub> PO <sub>3</sub> <0.002%	Mn <0.00005%
SO <sub>4</sub> <0.003%	Ni <0.0001%
Red. <0.001%	Pb <0.0001%
SiO <sub>2</sub> <0.025%	Sb <0.0002%
Na <0.025%	Zn <0.0002%
As <0.00005%	Heavy metals as Pb <0.0005%
Ca <0.005%	Color <10APHA
Cd <0.0001%	

Reference	Packaging	Size
ORAC-01A-1K0	plastic bottle GL45	1 L

**Orthophosphoric acid 85% Analytical Grade**

Assay >85.0%	Calcium (Ca) < 0.004%
Density (20 °C) about 1.75 g/ml	Copper (Cu) < 0.004%
Chloride (Cl) < 0.0005%	Sodium (Na) < 0.05%
Nitrate (NO <sub>3</sub> ) < 0.0005%	Iron (Fe) < 0.0015%
Silicate (Si) < 0.025%	Lead (Pb) < 0.001%
Potassium (K) < 0.005%	Magnesium (Mg) < 0.004%
Sulphate (SO <sub>4</sub> ) < 0.002%	Manganese (Mn) < 0.0005%
Arsenic (As) < 0.0001%	Substances reducing KMnO <sub>4</sub> < 0.001%

Reference	Packaging	Size
ORAC-00A-1K0	plastic bottle GL45	1 L

**Oxalic acid dihydrate**

$(COOH)_2 \cdot 2H_2O$  MW : 126,07 \* CAS : 6153-56-6 \* EC : 205-634-3  
 \* EC INDEX : 607-006-00-8  
 UN 3261 \* ADR : 8 C4 III UN 3261 \* IMDG : 8 III UN 3261 \* IATA : 8 III UN 3261


**Oxalic acid dihydrate ACS**

Assay >99.5%	Reaction against sulphuric acid: passes test
Melting point 101 °C	Heavy metals (as Pb) < 0.0005%
Chloride (Cl) < 0.0005%	Calcium (Ca) < 0.001%
Sulphate (SO <sub>4</sub> ) < 0.005%	Iron (Fe) < 0.0002%
Total nitrogen (N) < 0.001%	Residue on ignition (800 °C) < 0.01%

Reference	Packaging	Size
OXAC-02A-500	plastic bottle	500 g

**Oxalic acid, volumetric solutions**

$(COOH)_2 \cdot 2H_2O$  CAS : 6153-56-6


**Oxalic acid, concentrated to prepare 1L of solution 0.05 M (0.1 N)**

Concentration after dilution = 0.05 mol/L C<sub>2</sub>H<sub>2</sub>O<sub>4</sub> ± 0.2%

Reference	Packaging	Size
OXAC-01C-1K0	plastic ampoule	1 amp.

**Oxalic acid, volumetric solution 0.05 M (0.1 N)**

0.1N +/- 0.1% (at 25°C)

Reference	Packaging	Size
OXAC-01V-1K0	plastic bottle GL45	1 L

**Paraffin, light liquid**

CAS : 8042-47-5 \* EC : 232-455-8

**Paraffin, light liquid Ph.Eur.**

Appearance: Colourless, transparent, oily liquid, free from fluorescence in daylight  
 Identification: Conforms  
 Acidity or alkalinity: Passes test  
 Relative density : 0.810 to 0.875  
 Viscosity : 25 mPa.s - 80 mPa.s  
 Polycyclic aromatic hydrocarbons: Passes test  
 Readily carbonisable substances: Passes test  
 Solid paraffins: Passes test

Reference	Packaging	Size
PALI-POP-1K0	plastic bottle	1 L
PALI-POP-5K0	plastic bottle	5 L

**Paraffin, liquid**

CAS : 8042-47-5 \* EC : 232-455-8

**Paraffin, liquid Ph.Eur.**

Appearance: Colourless, transparent, oily liquid, free from fluorescence in daylight  
 Identification: Conforms  
 Acidity or alkalinity: Passes test  
 Relative density : 0.827 to 0.890  
 Viscosity : 110 mPa.s - 230 mPa.s  
 Polycyclic aromatic hydrocarbons: Passes test  
 Readily carbonisable substances: Passes test  
 Solid paraffins: Passes test

Reference	Packaging	Size
VALI-POP-1K0	plastic bottle	1 L
VALI-POP-5K0	plastic bottle	5 L

**n-Pentane**

$CH_3(CH_2)_3CH_3$  MW : 72,15 \* CAS : 109-66-0 \* EC : 203-692-4  
 \* EC INDEX : 601-006-00-1

UN 1265 \* ADR : 3 II UN1265 \* IMDG : 3 II UN1265 \* IATA : 3 II UN1265


**n-Pentane Analytical Grade**

Assay min. 99,0 %	Cobalt (Co) max. 0,00001 %
Water (KF) max. 0,02 %	Manganese (Mn) max. 0,00005 %
Acidity max. 0,0005 meq/g	Copper (Cu) max. 0,00001 %
Residue on evaporation max. 0,001 %	Nickel (Ni) max. 0,00005 %
Barium (Ba) max. 0,00005 %	Lead (Pb) max. 0,00001 %
Chromium (Cr) max. 0,00005 %	Sulfur (S) max. 0,001 %
Tin (Sn) max. 0,00005 %	Calcium (Ca) max. 0,0001 %
Zinc (Zn) max. 0,0001 %	Iron (Fe) max. 0,00001 %
Aluminium (Al) max. 0,0001 %	
Cadmium (Cd) max. 0,00005 %	

Reference	Packaging	Size
PENT-00A-1K0	glass bottle	1 L

**Perchloric acid 60%**

$\text{HClO}_4$  MW : 100,46 \* CAS : 7601-90-3 \* EC : 231-512-4  
 \* EC INDEX : 017-006-00-4  
 UN 1873 \* ADR : 5.1 I UN 1873 \* IMDG : 5.1 I UN 1873 \* IATA : 5.1 I UN 1873


**Perchloric acid 60% Analytical Grade ACS, ISO, Ph.Eur.**

Assay >60%	Mo<0.000005%
Ag<0.000005%	Na<0.00005%
Al<0.000005%	Ni<0.00001%
As<0.000005%	Pb<0.000005%
Ba<0.000002%	Sr<0.000002%
Be<0.000002%	Ti<0.00001%
Bi<0.00001%	Tl<0.000005%
Ca<0.00005%	V<0.000005%
Cd<0.000005%	Zn<0.00001%
Co<0.000005%	Zr<0.00001%
Cu<0.00001%	ClO3<0.001%
Fe<0.0001%	Cl<0.0003%
Ge<0.000005%	SiO2<0.0005%
Hg<0.000005%	SO4<0.001%
K<0.00001%	N<0.001%
Li<0.000002%	
Mg<0.00005%	
Mn<0.000002%	

Reference	Packaging	Size
ACPE-60A-1K0	glass bottle	1 L

**Perchloric acid volumetric solution**

$\text{HClO}_4$  MW : 100,46 \* CAS : 7601-90-3 \* EC : 231-512-4  
 \* EC INDEX : 607-002-00-6  
 UN 2789 \* ADR : 8 (3) II UN 2789 \* IMDG : 8 (3) II UN 2789 \* IATA : 8 (3) II UN 2789


**Perchloric acid 0.1 M (0.1N) in acetic acid, volumetric solution**

10.046 g  $\text{HClO}_4$  / L HAc 100% = 0.1 N ( $\pm 0.0002/20^\circ\text{C}$ )

Reference	Packaging	Size
PERC-01V-1K0	glass bottle GL45	1 L

**Petroleum ether 40-60**

CAS : 64742-49-0 \* EC : 265-151-9  
 \* EC INDEX : 649-328-00-1  
 UN 1268 \* ADR : 3 II UN 1268 \* IMDG : 3 II UN 1268 \* IATA : 3 II UN 1268

**Petroleum ether 40-60 Analytical Grade**

Non volatile residue<0.001%	Fe<0.00001%
H2O<0.01%	Mg<0.00001%
Free acid <0.002%	Mn<0.000002%
Al<0.00005%	Ni<0.000002%
B<0.000002%	Pb<0.000002%
Ba<0.00001%	Sn<0.00001%
Ca<0.00005%	Zn<0.00001%
Cd<0.000005%	Benzene<0.01%
Co<0.000002%	I Nr<0.3
Cr<0.000002%	S<0.005%
Cu<0.000002%	

Reference	Packaging	Size
PEET-40A-1K0	glass bottle GL45	1 L
PEET-40A-2K5	glass bottle GL45	2,5 L
PEET-40A-5K0	metal can	5 L

**Petroleum ether 40-60 GLR**

Non volatile residue<0.001%  
 H2O<0.01%  
 Benzene<0.001%  
 S<0.005%  
 Dest.Range : 40-60°C  
 APP 0°C : passes test

Reference	Packaging	Size
PEET-40P-1K0	glass bottle GL45	1 L
PEET-40P-2K5	glass bottle GL45	2,5 L

**Phenol crystallized**

$\text{C}_6\text{H}_5\text{OH}$  MW : 94,11 \* CAS : 108-95-2 \* EC : 203-632-7  
 \* EC INDEX : 604-001-00-2

UN 1671 \* ADR : 6.1 T2 II UN 1671 \* IMDG : 6.1 II UN 1671 \* IATA : 6.1 II UN 1671


**Phenol crystallized Analytical Grade ACS**

Assay >99.5% (GC)  
 (phenol becomes pink on exposure to air and light)  
 Freezing point: 40.0 - 41.0 °C  
 Insoluble matter < 0.005%  
 Acidity < 0.04 ml N%  
 Alkalinity < 0.04 ml N%  
 Non-volatile matter < 0.02%  
 Chloride (Cl) < 0.0005%  
 Iron (Fe) < 0.0001%  
 Lead (Pb) < 0.001%  
 Tarry matter: No reaction  
 Water < 0.5%

Reference	Packaging	Size
PHOL-00A-500	glass bottle	500 g

**Phenol crystallized Extra Pure**

Assay >99.5% (GC)  
 pH (5% water): 4.8 - 6.0  
 Acidity: passes test  
 Solidification point: 39-41 °C  
 Chloride (Cl) < 0.001%  
 Sulphate (SO4) < 0.005%  
 Heavy metals (as Pb) < 0.001%  
 Non-volatile substances < 0.05%  
 Water < 0.5%

Reference	Packaging	Size
PHOL-00T-500	glass bottle	500 g

**Phenol red**

Phenolsulphonephthalein

$\text{C}_{19}\text{H}_{14}\text{O}_3\text{S}$  MW : 354,38 \* CAS : 143-74-8 \* EC : 205-609-7


**Phenol red ACS**

pH 6.4-8.2 yellow to red  
 pH 6.4-8.2 yellow to red (free acid)  
 (Suitable for culture media and used in study of kidney function)

Reference	Packaging	Size
PHRE-00D-005	plastic bottle	5 g

## Phenolphthalein

3,3-bis-(4-Hydroxyphenyl)-1-(3H)-isoBenzofuranone, 3,3-bis-(4-Hydroxyphenyl)Phthalide

$C_{20}H_{14}O_4$

MW : 318,32 \* CAS : 77-09-8 \* EC : 201-004-7  
\* EC INDEX : 604-076-00-1



### Phenolphthalein ACS

pH range 8.2-10.0  
Colourless to red-violet  
Sensitivity: passes test  
Melting point 258-261 °C  
Sulphated ash < 0.05%  
Chloride (Cl) < 0.01%  
Sulphate (SO<sub>4</sub>) < 0.01%

Reference	Packaging	Size
PHEN-00D-100	plastic bottle	100 g

### Phenolphthalein, solutions

3,3-bis-(4-Hydroxyphenyl)-1-(3H)-isoBenzofuranone, 3,3-bis-(4-Hydroxyphenyl)Phthalide

UN 1230 \* ADR : 3 FT1 II UN 1230 \* IMDG : 3(6.1) II UN 1230 \* IATA : 3(6.1) II UN 1230



### Phenolphthalein, solution 0.2% in methanol

Sensitivity: passes test  
pH 8.0 to pH 10.0: colourless to red

Reference	Packaging	Size
PHEN-S02-125	plastic bottle	125 ml

### Phenolphthalein, solution 1% in methanol

Sensitivity: passes test  
pH 8.0 to pH 10.0: colourless to red

Reference	Packaging	Size
PHEN-S10-125	plastic bottle	125 ml

## L-Phenylalanine 99%

$C_9H_9NO_2$

MW : 165,19 \* CAS : 63-91-2 \* EC : 200-568-1

### L-Phenylalanine 99% for biochemistry

Assay >99.0% (HClO<sub>4</sub> titration)(HClO<sub>4</sub> titration)  
Specific optical rotation: -33° to -34.7°  
Heavy metals (as Pb) < 0.001%  
Ammonium (NH<sub>4</sub>) < 0.01%  
Foreign amino acids < 0.3%  
Other ninhydrin-positive substances (as glycine) < 0.1%

Reference	Packaging	Size
PHNY-00B-025	plastic bottle	25 g

## Ponceau S, C.I. 27195

3-Hydroxy-4-[2-Sulpho-4-(4-Sulphophenylazo)Phenylazo]-2,7-Naphthalenedisulphonic Acid Tetrasodium Salt, Acid Red 112

$C_{22}H_{12}N_4Na_4O_{13}S_4$

MW : 760,57 \* CAS : 6226-79-5 \* EC : 228-319-2



### Ponceau S for electrophoresis, C.I. 27195

Absorption max. (in water) 517-523 nm  
Specific absorptivity > 460.0  
Loss on drying (110°C) < 10,0%  
Suitability for electrophoresis: passes test

Reference	Packaging	Size
PONC-00D-025	plastic bottle	25 g

## Potassium bromide

KBr

MW : 119 \* CAS : 7758-02-3 \* EC : 231-830-3

### Potassium bromide Analytical Grade ACS

Assay >99.5%  
pH (5% water) 5.5-8.5  
Bromate (BrO<sub>3</sub>) < 0.001%  
Chloride (Cl) < 0.1%  
Iodide (I) < 0.001%  
Sulphate (SO<sub>4</sub>) < 0.005%  
Total Nitrogen (N) < 0.001%  
Heavy metals (as Pb) < 0.0005%  
Barium (Ba) < 0.002%  
Calcium (Ca) < 0.001%  
Iron (Fe) < 0.0005%  
Magnesium (Mg) < 0.001%  
Sodium (Na) < 0.02%  
Loss on drying (105 °C) < 0.5%

Reference	Packaging	Size
POBR-00A-500	plastic bottle	500 g

## Potassium carbonate

Potash

$K_2CO_3$

MW : 138,21 \* CAS : 584-08-7 \* EC : 209-529-3



### Potassium carbonate Analytical Grade ACS

Assay >99.9%  
Insoluble matter < 0.005%  
Loss at 300°C < 2.0%  
Chloride (Cl) < 0.002%  
Nitrate (NO<sub>3</sub>) < 0.002%  
Phosphate (PO<sub>4</sub>) < 0.0005%  
Silicate (SiO<sub>2</sub>) < 0.0025%  
Sulphate (SO<sub>4</sub>) < 0.003%  
Ammonium (NH<sub>4</sub>) < 0.0001%  
Arsenic (As) < 0.00004%  
Calcium (Ca) < 0.002%  
Copper (Cu) < 0.0005%  
Iron (Fe) < 0.0005%  
Lead (Pb) < 0.0005%  
Magnesium (Mg) < 0.002%  
Sodium (Na) < 0.08%

Reference	Packaging	Size
POCA-00A-500	plastic bottle	500 g

**Potassium chloride**

KCl MW : 74,55 \* CAS : 7447-40-7 \* EC : 231-211-8

**Potassium chloride Analytical Grade ISO, Ph. Eur.**

Assay >99,5%  
 Ba<0.001%  
 Ca<0.001%  
 Fe<0.0002%  
 Mg<0.0005%  
 Na<0.02%  
 Heavy metals as Pb<0.0005%  
 Br<0.01%  
 I<0.002%  
 PO4<0.0005%  
 SO4<0.002%  
 N<0.001%  
 Loss on drying<0.2%

Reference	Packaging	Size
POCL-00A-1K0	plastic bottle	1 kg

**Potassium chloride Analytical Grade Ph. Eur.**

Assay 99.0 % - 101.0 % KCl (dried substance).  
 Appearance: White or almost white, crystalline powder or colourless crystals.  
 Identification: Conforms  
 Appearance of solution: Conforms  
 Acidity or alkalinity: Passes test  
 Bromides: ≤ 0.1 %  
 Iodides: Passes test  
 Sulfates: ≤ 300 ppm.  
 Aluminum : ≤ 1.0 ppm  
 Barium: Passes test  
 Iron : ≤ 20 ppm.  
 Magnesium and alkaline-earth metals: ≤ 200 ppm, calculated as Ca,  
 Sodium: ≤ 0.1 %  
 Heavy metals : ≤ 10 ppm.  
 Loss on drying : ≤ 1.0 %

Reference	Packaging	Size
POCL-00P-1K0	plastic bottle	1 kg

**Potassium chromate**

 K<sub>2</sub>CrO<sub>4</sub> MW : 194,19 \* CAS : 7789-00-6 \* EC : 232-140-5  
 \* EC INDEX : 024-006-00-8

UN 3288 \* ADR : 6.1 T5 II UN 3288 \* IMDG : 6.1 II UN 3288 \* IATA : 6.1 II 3288


**Potassium chromate Analytical Grade ACS**

Assay >99.5%  
 pH (5% water) 9.0-9.8  
 Chloride (Cl) < 0.001%  
 Sulphate (SO4) < 0.01%  
 Lead (Pb) < 0.005%  
 Calcium (Ca) < 0.005%  
 Sodium (Na) < 0.05%

Reference	Packaging	Size
POCH-00A-500	plastic bottle	500 g

**Potassium chromate solutions**

 K<sub>2</sub>CrO<sub>4</sub> MW : 194,21 \* CAS : 7789-00-6 \* EC : 232-140-5

UN 3287 \* ADR : 6.1 T5 II UN 3287 \* IMDG : 6.1 II UN 3287 \* IATA : 6.1 II 3287


**Potassium chromate solution 5% w/v Analytical Grade**

Assay 5 % ± 0,1 %  
 pH 8,5 - 10,0  
 Density (18°C) aprox 1,0394 g/ml

Reference	Packaging	Size
POCH-50D-250	plastic bottle	250 ml

**Potassium chromate solution 10% w/v Analytical Grade**

Assay 10 % ± 0,1 %  
 pH 8,5 - 10,0  
 Density (18°C) aprox 1,0821 g/ml

Reference	Packaging	Size
POCH-10D-250	plastic bottle	250 ml

**Potassium dichromate**

 K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> MW : 294,19 \* CAS : 7778-50-9 \* EC : 231-906-6  
 \* EC INDEX : 024-002-00-6

UN 3086 \* ADR : 6.1 (5.1), II UN3086 \* IMDG : 6.1 (5.1), II UN3086 \* IATA : 6.1 (5.1), II UN3086


**Potassium dichromate Analytical Grade ACS**

Assay >99,8%  
 Los on drying<0.05%  
 Ca<0.002%  
 Cu<0.001%  
 Fe<0.002%  
 Na<0.01%  
 Pb<0.005%  
 Cl<0.001%  
 SO4<0.005%

Reference	Packaging	Size
PODC-00A-250	plastic bottle	250 g

**Potassium dichromate, volumetric solution**

CAS : 7778-50-9

UN 3287 \* ADR : 6.1 (9E) T4 III UN 3287 \* IMDG : 6.1 (9E) III UN 3287 \* IATA : 6.1 (9E) III UN 3287


**Potassium dichromate, concentrated to prepare 1 L of solution 0.0167 M (0.1 N)**

 Concentration after dilution = 0.0167 mol/L K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> +/- 0.2%

Reference	Packaging	Size
PODC-01C-1K0	plastic ampoule	1 amp.

**Potassium dihydrogen phosphate**

 KH<sub>2</sub>PO<sub>4</sub> MW : 136,08 \* CAS : 7778-77-0 \* EC : 231-913-4

**Potassium dihydrogen phosphate Analytical Grade ACS**

Assay >99.5%  
 pH (5% water) 4.3-4.5  
 Chloride (Cl) < 0.0005%  
 Sulphate (SO4) < 0.003%  
 Total Nitrogen (N) < 0.001%  
 Heavy metals (as Pb) < 0.001%  
 Iron (Fe) < 0.001%  
 Sodium (Na) < 0.02%  
 Water (H2O) < 0.01%

Reference	Packaging	Size
PODP-00A-500	plastic bottle	500 g

**Potassium hexacyanoferrate (II) trihydrate**

Potassium ferrocyanide trihydrate

 $K_4[Fe(CN)_6] \cdot 3H_2O$  MW : 422,39 \* CAS : 14459-95-1 \* EC : 237-722-2

**Potassium hexacyanoferrate (II) trihydrate Analytical Grade**

Assay &gt;99.102.0% (by cerimetry)

Insoluble matter &lt; 0.005%

Chloride (Cl) &lt; 0.01%

 Sulphate (SO<sub>4</sub>) < 0.005%

Lead (Pb) &lt; 0.002%

Sodium (Na) &lt; 0.01%

Reference	Packaging	Size
POHF-23A-500	plastic bottle	500 g

**Potassium hexacyanoferrate (III)**

Potassium ferricyanide

 $K_3[Fe(CN)_6]$  MW : 329,25 \* CAS : 13746-66-2 \* EC : 237-323-3

**Potassium hexacyanoferrate (III) Analytical Grade**

Assay &gt;99.0% (by iodometry)

Insoluble matter in water &lt; 0.005%

Chloride (Cl) &lt; 0.01%

 Hexacyanoferrate (II) (Fe(CN)<sub>6</sub>) < 0.05%

 Sulphate (SO<sub>4</sub>) < 0.005%

Lead (Pb) &lt; 0.002%

Sodium (Na) &lt; 0.02%

Reference	Packaging	Size
POHF-30A-500	plastic bottle	500 g

**Potassium hydrogen phthalate**
 $C_8H_5KO_4$  MW : 204,22 \* CAS : 877-24-7 \* EC : 212-889-4

**Potassium hydrogen phthalate Analytical Grade**

Assay &gt;99.5% (after drying)

Insoluble matter &lt; 0.005%

Loss on drying at 110 °C &lt; 0.2%

Chloride (Cl) &lt; 0.002%

Phthalic acid &lt; 0.005%

 Sulphate (SO<sub>4</sub>) < 0.005%

Copper (Cu) &lt; 0.0005%

Iron (Fe) &lt; 0.0005%

Lead (Pb) &lt; 0.0005%

Sodium (Na) &lt; 0.005%

Reference	Packaging	Size
POPH-00A-500	plastic bottle	500 g

**Potassium hydrogen sulfate**

Potassium Bisulphate

 $KHSO_4$  MW : 136,17 \* CAS : 7646-93-7 \* EC : 231-594-1 \* EC INDEX : 016-056-00-4

UN 2509 \* ADR : 8 C2 II UN 2509 \* IMDG : 8 II UN 2509 \* IATA : 8 II UN 2509


**Potassium hydrogen sulfate Analytical Grade**

Assay &gt;99%

Insoluble matter &lt; 0.003%

Chloride (Cl) &lt; 0.0005%

 Nitrate (NO<sub>3</sub>) < 0.001%

 Phosphate (PO<sub>4</sub>) < 0.001%

 Silicate (SiO<sub>2</sub>) < 0.0025%

Aluminium (Al) &lt; 0.002%

 Ammonium (NH<sub>4</sub>) < 0.001%

Arsenic (As) &lt; 0.00004%

Calcium (Ca) &lt; 0.005%

Copper (Cu) &lt; 0.0005%

Iron (Fe) &lt; 0.0005%

Lead (Pb) &lt; 0.0005%

Magnesium (Mg) &lt; 0.005%

Sodium (Na) &lt; 0.02%

Reference	Packaging	Size
POHS-00A-500	plastic bottle	500 g

**Potassium Hydroxide, volumetric solutions in ethanol**

KOH MW : 46,07

UN 2924 \* ADR : 3 (8), II, UN 2924 \* IMDG : 3 (8), II, UN 2924 \* IATA : 3 (8), II, UN 2924


**Potassium Hydroxide, 0.1 M in ethanol volumetric solution**

 5.612 g KOH / L C<sub>2</sub>H<sub>5</sub>OH = 0.1 N (±0.0002/20°C)

Reference	Packaging	Size
POHY-E1V-1K0	glass bottle GL45	1 L

**Potassium Hydroxide, 0.5 M in ethanol volumetric solution**

 28.055 g KOH / L C<sub>2</sub>H<sub>5</sub>OH = 0.5 N (±0.001/20°C)

Reference	Packaging	Size
POHY-E5V-1K0	glass bottle GL45	1 L

**Potassium Hydroxide, volumetric solutions**

KOH MW : 46,07

UN 1814 \* ADR : 8 C5 III UN 1814 \* IMDG : 8 III UN 1814 \* IATA : 8 III UN 1814


**Potassium Hydroxide, volumetric solution 0.1 M (0.1 N)**

0.1N +/- 0.1% (at 25°C)

Reference	Packaging	Size
POHY-01V-1K0	plastic bottle GL45	1 L

**Potassium Hydroxide, volumetric solution 1 M (1 N)**

1N +/- 0.1% (at 25°C)

Reference	Packaging	Size
POHY-1V0-1K0	plastic bottle GL45	1 L

**Potassium hydroxyde 85% pellets**

Potash caustic

KOH MW : 56,11 \* CAS : 1310-58-3 \* EC : 215-181-3 \* EC INDEX : 019-002-00-8

UN 1813 \* ADR : 8 C6 II UN 1813 \* IMDG : 8 II UN 1813 \* IATA : 8 II UN 1813


**Potassium hydroxyde 85% pellets Analytical Grade ACS, Ph. Eur.**

Assay &gt;85%

 Carbonate (as K<sub>2</sub>CO<sub>3</sub>) < 1%

Chloride (Cl) &lt; 0.0005%

 Sulphate (SO<sub>4</sub>) < 0.0005%

 Phosphate(PO<sub>4</sub>) < 0.0005%

 Silicate(SiO<sub>2</sub>) < 0.005%

Total Nitrogen (N) &lt; 0.0003%

Heavy metals (Pb) &lt; 0.0005%

Iron (Fe) &lt; 0.0005%

Aluminium (Al) &lt; 0.001%

Calcium (Ca) &lt; 0.001%

Nickel (Ni) &lt; 0.0005%

Sodium (Na) &lt; 0.5%

Reference	Packaging	Size
POHY-P0A-500	plastic bottle	500 g
POHY-P0A-1K0	plastic bottle	1 Kg



**Potassium hydroxyde 85% pellets Extra Pure**

Assay >85%  
 Carbonate (as K<sub>2</sub>CO<sub>3</sub>) <2.0%  
 Chloride (Cl) < 0,004%  
 Sulphate (SO<sub>4</sub>) < 0.003%  
 Phosphate (PO<sub>4</sub>) < 0.002%  
 Silicate (SiO<sub>2</sub>) < 0.01%  
 Total Nitrogen (N) < 0.0005%  
 Heavy metals (Pb) < 0.001%  
 Iron (Fe) > 0.001%  
 Arsenic (As) < 0.0004%  
 Calcium(Ca) < 0.002%  
 Sodium(Na) < 0.5%

Reference	Packaging	Size
POHY-POT-500	plastic bottle	500 g
POHY-POT-1K0	plastic bottle	1 Kg

**Potassium iodide**

KI MW : 166.00 \* CAS : 7681-11-0 \* EC : 231-659-4

**Potassium iodide Analytical Grade ACS**

Assay >99.8%  
 Insoluble matter < 0.003%  
 Loss on drying at 120 °C < 0.2%  
 Acidity (HI) < 0.0065%  
 Alkalinity < 0.006%  
 Chloride and bromide (Cl) < 0.01%  
 Iodate (IO<sub>3</sub>) < 0.0002%  
 Nitrogen compounds (N) < 0.001%  
 Phosphate (PO<sub>4</sub>) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.0025%  
 Barium (Ba) < 0.001%  
 Iron (Fe) < 0.0002%  
 Lead (Pb) < 0.0002%  
 Sodium (Na) < 0.05%

Reference	Packaging	Size
POIO-00A-250	plastic bottle	250 g

**Potassium iodide Analytical Grade Ph.Eur.**

Assay 99.0 % - 100.5 % (dried substance).  
 White or almost white powder or colourless crystals  
 Identification A & B positive  
 Appearance of solution Conforms  
 Alkalinity Passes test  
 Iodates Passes test  
 Sulfates ≤ 150 ppm  
 Thiosulfates Passes test  
 Iron ≤ 20 ppm  
 Heavy metals ≤ 10 ppm  
 Loss on drying ≤ 1.0%

Reference	Packaging	Size
POIO-00P-250	plastic bottle	250 g
POIO-00P-500	plastic bottle	500 g
POIO-00P-1K0	plastic bottle	1 kg

**Potassium nitrate**

Nitric acid potassium salt

KNO<sub>3</sub> MW : 101.10 \* CAS : 7757-79-1 \* EC : 231-818-8

UN 1486 \* ADR : 5.1 O2 III UN 1486 \* IMDG : 5.1 III UN 1486 \* IATA : 5.1 III UN 1486


**Potassium nitrate Analytical Grade ACS**

Assay >99%  
 pH (5% solution 20 °C) 5.0-7.5  
 Chloride (Cl) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.003%  
 Phosphate (PO<sub>4</sub>) < 0.0005%  
 Heavy metals (as Pb) < 0.0005%  
 Iron (Fe) < 0.0003%  
 Calcium (Ca) < 0.001%  
 Sodium (Na) < 0.02%  
 Ammonium (NH<sub>4</sub>) < 0.001%  
 Iodate (IO<sub>3</sub>) < 0.0005%  
 Nitrite (NO<sub>2</sub>) < 0.001%

Reference	Packaging	Size
PONA-00A-500	plastic bottle	500 g

**Potassium nitrite**

KNO<sub>2</sub> MW : 85,11 \* CAS : 7758-09-0 \* EC : 231-832-4  
 \* EC INDEX : 007-011-00-x

UN 1488 \* ADR : 5.1 O2 II UN 1488 \* IMDG : 5.1 II UN 1488 \* IATA : 5.1 II UN 1488


**Potassium nitrite Analytical Grade ACS**

Assay >97%  
 pH (5% water) 7-10  
 Chloride (Cl) < 0.005%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Heavy metals (as Pb) < 0.0005%  
 Calcium (Ca) < 0.003%  
 Iron (Fe) < 0.0005%  
 Sodium (Na) < 0.25%

Reference	Packaging	Size
PONI-00A-250	plastic bottle	250 g

**Potassium oxalate monohydrate**

K<sub>2</sub>C<sub>2</sub>O<sub>4</sub>·H<sub>2</sub>O MW : 184,23 \* CAS : 6487-48-5 \* EC : 209-506-8  
 \* EC INDEX : 607-007-00-3


**Potassium oxalate monohydrate Analytical Grade ACS**

Assay 99.5-101.0%(by manganometry)  
 Insoluble matter < 0.01%  
 pH (5% water): 7.0 - 8.5  
 Chloride (Cl) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.01%  
 Ammonium (NH<sub>4</sub>) < 0.002%  
 Heavy metals (as Pb) < 0.001%  
 Iron (Fe) < 0.0005%  
 Sodium (Na) < 0.02%  
 Reaction against sulphuric acid: passes test

Reference	Packaging	Size
POOX-01A-500	plastic bottle	500 g

## Potassium permanganate

$\text{KMnO}_4$  MW : 158,04 \* CAS : 7722-64-7 \* EC : 231-760-3  
\* EC INDEX : 025-002-00-9  
UN 1490 \* ADR : 5.1 II UN1490 \* IMDG : 5.1 II UN1490 \* IATA : 5.1 II UN1490



### Potassium permanganate Analytical Grade

Appearance violet crystals  
Assay min. 99,5 %  
Substances insoluble in water max. 0,1 %  
Insoluble impurities (without  $\text{MnO}_2$ ) max. 0,01 %  
Total nitrogen (N) max. 0,005 %

Chlorides (Cl) max. 0,005 %  
Sulfates ( $\text{SO}_4$ ) max. 0,005 %  
Copper (Cu) max. 0,001 %  
Lead (Pb) max. 0,002 %  
Iron (Fe) max. 0,005 %

Reference	Packaging	Size
KMNO-00A-500	plastic bottle	500 g
KMNO-00A-1K0	plastic bottle	1 kg

## Potassium permanganate, volumetric solution

$\text{KMnO}_4$  MW : 158,04 \* CAS : 7722-64-7 \* EC : 231-760-3  
UN 3082 \* ADR : 9 III UN 3082 \* IMDG : 9 III UN 3082 \* IATA : 9 III UN 3082



### Potassium permanganate 0,02 M (0,1N) Volumetric solution

3.161 g  $\text{KMnO}_4$  / L  $\text{H}_2\text{O}$  = 0.1 N ( $\pm 0.0002/20^\circ\text{C}$ )

Reference	Packaging	Size
KMNO-01V-1K0	glass bottle GL45	1 L

## Potassium persulfate

Potassium peroxodisulfate

$\text{K}_2\text{S}_2\text{O}_8$  MW : 270,31 \* CAS : 7727-21-1 \* EC : 231-781-8  
\* EC INDEX : 016-061-00-1

UN 1492 \* ADR : 5.1 O2 III UN 1492 \* IMDG : 5.1 III UN 1492 \* IATA : 5.1 III UN 1492



### Potassium persulfate 98% Extra Pure

Assay >98.0% (Iodometric)  
Chloride (Cl) < 0.005%  
Heavy metals (as Pb) < 0.005%  
Iron (Fe) < 0.002%  
Manganese (Mn) < 0.0005%

Reference	Packaging	Size
POPS-00T-500	plastic bottle	500 g

## Potassium sodium tartrate tetrahydrate

$\text{C}_4\text{H}_4\text{KNaO}_6 \cdot 4\text{H}_2\text{O}$  MW : 282,22 \* CAS : 6381-59-5 \* EC : 205-698-2

### Potassium sodium tartrate tetrahydrate Analytical Grade ACS

Assay 99.0-102.0%  
Insoluble matter < 0.005%  
pH (5% solution 20 °C) 7.0 - 8.5  
Chloride (Cl) < 0.0005%  
Sulphate ( $\text{SO}_4$ ) < 0.005%  
Phosphate ( $\text{PO}_4$ ) < 0.001%

Ammonium ( $\text{NH}_4$ ) < 0.002%  
Heavy metals (as Pb) < 0.0005%  
Iron (Fe) < 0.0005%  
Copper (Cu) < 0.0005%  
Calcium (Ca) < 0.004%

Reference	Packaging	Size
POST-00A-500	plastic bottle	500 g

## Potassium sulphate

$\text{K}_2\text{SO}_4$  MW : 174,27 \* CAS : 7778-80-5 \* EC : 231-915-5

### Potassium sulphate Analytical Grade ACS

Assay >99.0% (by acidimetry)  
pH (5% solution): 5.5-8.5  
Identity: passes test  
Appearance of solution: passes test  
Acidity or alkalinity: passes test  
Chloride (Cl) < 0.004%  
Heavy metals (as Pb) < 0.001%  
Iron (Fe) < 0.001%  
Arsenic (As) < 0.0002%  
Magnesium (Mg) < 0.002%  
Calcium (Ca) < 0.02%  
Sodium (Na) < 0.05%  
Loss on drying (105 °C) < 1.0%

Reference	Packaging	Size
POSU-00A-500	plastic bottle	500 g

## Potassium thiocyanate

$\text{KSCN}$  MW : 97,18 \* CAS : 333-20-0 \* EC : 206-370-1  
\* EC INDEX : 615-004-00-3



### Potassium thiocyanate Analytical Grade ACS

Assay >99%  
Substances insoluble in ethanol < 0.01%  
Substances insoluble in water < 0.003%  
pH (5% water) 5.3 - 8.7  
Chloride (Cl) < 0.005%  
Sulphate ( $\text{SO}_4$ ) < 0.002%  
Sulphide (S) < 0.001%  
Ammonium ( $\text{NH}_4$ ) < 0.002%  
Lead (Pb) < 0.0002%  
Iron (Fe) < 0.0001%  
Copper (Cu) < 0.0002%  
Sodium (Na) < 0.005%  
Iodine consuming substances < 0.013%

Reference	Packaging	Size
POTH-00A-500	plastic bottle	500 g

## di-Potassium hydrogen phosphate anhydrous

$\text{K}_2\text{HPO}_4$  MW : 174,18 \* CAS : 7758-11-4 \* EC : 231-834-5

### di-Potassium hydrogen phosphate anhydrous Analytical Grade

Assay > 99,0 %  
Appearance colorless crystals or powder  
Substances insoluble in water max. 0,01 %  
Loss on drying max. 1,0 %  
pH (5%, 20°C) 8,5 - 9,6  
Total nitrogen (N) max. 0,002 %  
Chlorides (Cl) max. 0,005 %  
Sulfates ( $\text{SO}_4$ ) max. 0,005 %  
Heavy metals (as Pb) max. 0,001 %  
Arsenic (As) max. 0,0002 %  
Sodium (Na) max. 0,5 %  
Iron (Fe) max. 0,001 %

Reference	Packaging	Size
POHP-00A-500	plastic bottle	500 g

## L-Proline

$C_5H_9NO_2$  MW : 115,13 \* CAS : 147-85-3 \* EC : 205-702-2

### L-Proline for biochemistry

Assay >99.0%  
 Heavy metals (as Pb) < 0.001%  
 Ammonium (NH<sub>4</sub>) < 0.01%  
 Foreign amino acids < 0.3%  
 Other ninhydrin-positive substances (as glycine) < 0.1%

Reference	Packaging	Size
PRLN-00B-025	glass bottle	25 g

## 1-Propanol

n-Propanol, n-propyl alcohol,

$CH_3CH_2CH_2OH$  MW : 60,1 \* CAS : 71-23-8 \* EC : 200-746-9  
 \* EC INDEX : 603-003-00-0

UN 1274 \* ADR : 3 F1 II UN 1274 \* IMDG : 3 II UN 1274 \* IATA : 3 II UN 1274



### 1-Propanol Analytical Grade

Assay >99.5%  
 Residue after evaporation < 0.004%  
 Density at 25 °C: 0.803 - 0.805 g/ml  
 Water < 0.2%  
 Copper (Cu) < 0.00002%  
 Iron (Fe) < 0.00005%  
 Nickel (Ni) < 0.00002%  
 Lead (Pb) < 0.00002%

Reference	Packaging	Size
PROL-10A-1K0	glass bottle GL45	1 L
PROL-10A-2K5	glass bottle GL45	2,5 L

## 2-Propanol

Dimethylcarbinol, IPA, Isopropanol, iso\_Propyl Alcohol, sec-Propyl Alcohol

$CH_3CH(OH)CH_3$  MW : 60,1 \* CAS : 67-63-0 \* EC : 200-661-7  
 \* EC INDEX : 603-117-00-0

UN 1219 \* ADR : 3 F1 II UN 1219 \* IMDG : 3 II UN 1219 \* IATA : 3 II UN 1219



### 2-Propanol Analytical Grade ACS, Ph.Eur.

Assay >99.8%  
 Non volatile residue <0.001%  
 H<sub>2</sub>O <0.1%  
 Free acid <0.001%  
 Al <0.00005%  
 B <0.000002%  
 Ba <0.00001%  
 Ca <0.00005%  
 Cd <0.000005%  
 Co <0.000002%  
 Cr <0.000002%  
 Cu <0.000002%  
 Fe <0.00001%  
 Mg <0.00001%  
 Ni <0.000002%  
 Pb <0.00001%  
 Sn <0.00001%  
 Zn <0.00001%  
 Acetone <0.01%  
 Ethanol <0.01%  
 Methanol <0.1%  
 CO <0.005%  
 Reducing substances <0.0005%

Reference	Packaging	Size
PROL-0IA-1K0	plastic bottle GL45	1 L
PROL-0IA-2K5	plastic bottle GL45	2,5 L
PROL-0IA-5K0	plastic bottle	5 L

## 2-Propanol Analytical Grade BP

Assay >99.5%  
 Wt. per ml at 20 °C 0.785-0.787 g  
 Refractive index 1.376-1.378  
 Appearance passes test  
 Water max 0.1%  
 Acidity(C<sub>2</sub>H<sub>5</sub>COOH) max 0.001%  
 Non-volatile matter < 0.002%  
 Benzene < 0.0002%  
 Ethanol (G.C) < 0.05%  
 Peroxide passes test  
 Related substances < 0.3%  
 Acidity or alkalinity passes test  
 Aldehydes and ketones [CH<sub>3</sub>2CO] < 0.005%  
 Copper(Cu) < 0.0002%  
 Iron(Fe) < 0.0002%  
 Lead(Pb) < 0.0002%  
 Substances reducing KMnO<sub>4</sub>(O) < 0.0005%

Reference	Packaging	Size
PROL-00A-1K0	plastic bottle GL45	1 L
PROL-00A-2K5	plastic bottle GL45	2,5 L

## 2-Propanol 99.9% GLR

Assay ≥ 99.9%  
 Appearance Colourless transparent liquid  
 Colour (Pt-Co) ≤10  
 Water ≤ 0.1%  
 Density (20°C) 0,784 – 0,786 g/ml  
 Refractive Index (n<sub>20</sub>/D) 1,376 – 1,378  
 Boiling range (°C) 82-83  
 Non Volatile Residue ≤ 0.001%  
 Acidity (CH<sub>3</sub>COOH) ≤ 0,001%

Reference	Packaging	Size
PROL-POP-1K0	plastic bottle	1 L
PROL-GOP-1K0	glass bottle	1 L
PROL-POP-2K0	plastic bottle	2 L
PROL-P0P-5K0	plastic bottle	5 L
PROL-POP-10K	plastic bottle	10 L
PROL-M0P-25K	metal can	25 L

## 2-Propanol Extra Pure

Assay >99%  
 Free acid (as C<sub>2</sub>H<sub>5</sub>COOH) < 0.002%  
 Density (20 °C) 0.784-0.785 g/ml  
 Refractive index (n<sub>20</sub>°C/D) 1.376-1.378  
 Methanol < 0.05%  
 Substances discoloured by H<sub>2</sub>SO<sub>4</sub>: passes test  
 Non-volatile substances < 0.005%  
 Water < 0.2%

Reference	Packaging	Size
PROL-00T-2K5	plastic bottle GL45	2,5 L
PROL-00T-5K0	plastic bottle	5 L

## Propionic acid 99%

$\text{CH}_3\text{CH}_2\text{COOH}$  MW : 74,08 \* CAS : 79-09-4 \* EC : 201-176-3  
 \* EC INDEX : 607-089-00-0  
 UN 3463 \* ADR : 8 (3) CF1 II UN 3463 \* IMDG : 8 (3) II UN 3463 \* IATA : 8 (3) II UN 3463



### Propionic acid 99% Extra Pure

Assay >99.0%  
 Density (20 °C) 0.991 - 0.994 g/ml  
 Refractive index 1.386 - 1.388

Reference	Packaging	Size
PRAC-00T-1KO	glass bottle GL45	1 L

## Pumice stone

CAS : 1332-09-8

### Pumice stone, grains 2-4 mm GLR

Grains 2-4 mm

Reference	Packaging	Size
PUMI-00P-250	plastic bottle	250 g

## Pyridine

$\text{C}_5\text{H}_5\text{N}$  MW : 79,1 \* CAS : 110-86-1 \* EC : 203-809-9  
 \* EC INDEX : 613-002-00-7

UN 1282 \* ADR : 3 II UN1282 \* IMDG : 3 II UN1282 \* IATA : 3 II UN1282



### Pyridine Analytical Grade

Assay > 99,5%  
 Non volatile residue <0.002%  
 $\text{H}_2\text{O}$  <0.1%  
 $\text{NH}_3$  <0.001%  
 $\text{Al}$  <0.00005%  
 $\text{B}$  <0.000002%  
 $\text{Ba}$  <0.00001%  
 $\text{Ca}$  <0.00005%  
 $\text{Cd}$  <0.000005%  
 $\text{Co}$  <0.000002%  
 $\text{Cr}$  <0.000002%  
 $\text{Cu}$  <0.000002%  
 $\text{Fe}$  <0.00001%  
 $\text{Mg}$  <0.00001%  
 $\text{Mn}$  <0.000002%  
 $\text{Ni}$  <0.000002%  
 $\text{Pb}$  <0.00001%  
 $\text{Sn}$  <0.00001%  
 $\text{Zn}$  <0.00001%  
 $\text{Cl}$  <0.0005%  
 $\text{SO}_4$  <0.005%  
 Reducing substances <0.0005%  
 Piperidine <0.01%  
 2-Picoline <0.2%

Reference	Packaging	Size
PYRI-00A-1KO	glass bottle	1 L

## Pyrogallol red, indicator for metal titration

$\text{C}_{19}\text{H}_{12}\text{O}_8\text{S}$  MW : 400,36 \* CAS : 32638-88-3 \* EC : 251-134-3

### Pyrogallol red, indicator for metal titration

Absorption max. (pyridine/water) 540-546 nm  
 Absorptivity ( $1\text{c}, \lambda_{\text{max}}$ ) > 850,0  
 Loss on drying (135 °C) < 5,0%  
 Residue on ignition (as  $\text{SO}_4$ ) < 1,0%

Reference	Packaging	Size
PYRO-R0D-001	glass bottle	1 g

## Resorcinol

$\text{C}_6\text{H}_6\text{O}_2$  MW : 110,11 \* CAS : 108-46-3 \* EC : 203-585-2  
 \* EC INDEX : 604-010-00-1

UN 2876 \* ADR : 6.1 T2 III UN 2876 \* IMDG : 6.1 III UN 2876 \* IATA : 6.1 III UN 2876



### Resorcinol Analytical Grade Ph. Eur.

Assay >99.0% (GC)  
 Melting point: 108 - 111 °C  
 Phenol (GC) <0.1%  
 Sulphated ash <0.01%  
 Loss on drying <0.05%  
 Chloride (Cl) <0.008%  
 Sulphate ( $\text{SO}_4$ ) <0.02%  
 Pyrocatechol <0.001%  
 Heavy metals (as Pb) <0.0005%

Reference	Packaging	Size
RESO-00A-100	glass bottle	100 g

## Salicylic acid

2-Hydroxybenzoic Acid

$\text{HOOC}_6\text{H}_4\text{COOH}$  MW : 138,12 \* CAS : 69-72-7 \* EC : 200-712-3



### Salicylic acid Analytical Grade BP

Assay >99.5%  
 Melting point 159-161 °C  
 Insoluble matter < 0.005%  
 Sulphated ash < 0.02%  
 Chloride (Cl) < 0.001%  
 Sulphate ( $\text{SO}_4$ ) < 0.01%  
 Copper (Cu) < 0.0002%  
 Iron (Fe) < 0.0001%  
 Lead (Pb) < 0.0002%

Reference	Packaging	Size
SAAC-00A-500	plastic bottle	500 g

## Sand, cleaned and dried

$\text{SiO}_2$  MW : 60,1 \* CAS : 14808-60-7 \* EC : 238-878-4

TYPE ANALYSIS  
 Appearance: Round particles  
 Assay ( $\text{SiO}_2$ ) > 98.5%  
 Particle Size: 0.1-0.6 mm / 1-2 mm  
 Loss on ignition: < 0.35%  
 pH (20% suspension): 6-7.5  
 Chloride < 0.05%  
 Sulfate < 0.05%  
 $\text{Al}_2\text{O}_3$  0,60%  
 $\text{Fe}_2\text{O}_3$  0,15%  
 $\text{CaO}$  0,10%  
 $\text{MgO}$  0,35%  
 $\text{Na}_2\text{O}$  0,28%  
 $\text{K}_2\text{O}$  0,25%  
 $\text{TiO}_2$  0,07%

### Sand, cleaned and dried, fine, 0.1-0.6 mm

Reference	Packaging	Size
SAND-001-1KO	plastic bottle	1 kg
SAND-001-5KO	plastic bottle	5 kg

**Sand, cleaned and dried, coarse, 1-2 mm**

Reference	Packaging	Size
SAND-002-1K0	plastic bottle	1 kg
SAND-002-5K0	plastic bottle	5 kg

**Silica Gel, labkem, orange, 2-5 mm size**
**Silica Gel, labkem, orange, 2-5 mm size**

Original color Orange  
 Water absorption (RH 20%) >9.0%  
 Water absorption (RH 50%) >22.0%  
 Color when saturated Green-black  
 Regeneration 100-120 °C

Reference	Packaging	Size
SGEO-002-1K0	plastic bottle	1 kg
SGEO-002-3K0	plastic bottle	3 kg

**Silicone grease for ground glass joints LBSil 25**
**Silicone grease for ground glass joints LBSil 25**

Silicone grease, non-toxic, for greasing ground glass joints, desiccator's lids, etc. Working temperature range: -50°C to 180 °C. Good resistance against water and chemicals

Reference	Packaging	Size
S025-100-001	plastic bottle	100 g

**Silicone oil for heating baths LBSil 100**
**Silicone oil for heating baths LBSil 100**

Silicone oil stable to heat  
 Temperature working range -50 + 200 °C

Reference	Packaging	Size
S100-1K0-001	plastic bottle	1 L
S100-5K0-001	plastic bottle	5 L

**Silver nitrate**

AgNO<sub>3</sub> MW : 169,87 \* CAS : 7761-88-8 \* EC : 231-853-9  
 \* EC INDEX : 047-001-00-2

UN 1493 \* ADR : 5.1 O2 II UN 1493 \* IMDG : 5.1 II UN 1493 \* IATA : 5.1 II UN 1493


**Silver nitrate Analytical Grade ACS**

Assay >99.9%  
 Alcohol insoluble matter passes test  
 Water insoluble matter <0.003%  
 Chloride (Cl) <0.0005%  
 Sulphate (SO<sub>4</sub>) <0.0025%  
 Alkalis and other metals (as Sulphate) <0.05%  
 Bismuth (Bi) <0.0005%  
 Copper (Cu) <0.0002%  
 Iron (Fe) <0.0003%  
 Sodium (Na) <0.002%

Reference	Packaging	Size
SINA-00A-025	glass bottle	25 g

**Silver nitrate volumetric solution**

AgNO<sub>3</sub> MW : 169,87 \* CAS : 7761-88-8

UN 1760 \* ADR : 8 III UN 1760 \* IMDG : 8 III UN 1760 \* IATA : 8 III UN 1760


**Silver nitrate 0.1 mol/L volumetric solution**

16.987 g AgNO<sub>3</sub> /L H<sub>2</sub>O = 0.1 N (±0.0002/20°C

Reference	Packaging	Size
SINA-01V-1K0	plastic bottle GL45	1 L

**Silver oxide**

Ag<sub>2</sub>O MW : 231,74 \* CAS : 20667-12-3 \* EC : 243-957-1

UN 3085 \* ADR : 5.1 (8) II UN 3085 \* IMDG : 5.1 (8) II UN 3085 \* IATA : 5.1 (8) II UN 3085


**Silver oxide Extra Pure**

Assay >97%  
 Alkalinity < 5 ml N%  
 Nitrate (NO<sub>3</sub>) < 0.05%  
 Potassium (K) < 0.01%  
 Sodium (Na) < 0.1%

Reference	Packaging	Size
S00X-00T-010	glass bottle	10 g

**Silver sulfate**

Ag<sub>2</sub>SO<sub>4</sub> MW : 311,8 \* CAS : 10294-26-5 \* EC : 233-653-7


**Silver sulfate Analytical Grade ACS**

Assay ≥99,5%  
 Cu<0.0005%  
 Fe<0.001%  
 Ni<0.001%  
 Pb<0.001%  
 Zn<0.0005%  
 Cl<0.001%  
 NO<sub>3</sub><0.001%

Reference	Packaging	Size
SISU-00A-025	plastic bottle	25 g

**Sodium acetate anhydrous**

Acetic Acid Sodium Salt

CH<sub>3</sub>COONa MW : 82,03 \* CAS : 127-09-3 \* EC : 204-823-8

**Sodium acetate anhydrous Analytical Grade**

Assay >99.9%  
 pH of 5% aqueous solution 7.5-9.0  
 Insoluble matter < 0.003%  
 Chloride (Cl) <0.0005%  
 Phosphate (PO<sub>4</sub>) < 0.0005%  
 Sulphate (SO<sub>4</sub>) < 0.003%  
 Aluminium (Al) < 0.001%

Arsenic (As) < 0.0001%  
 Calcium (Ca) < 0.001%  
 Copper (Cu) < 0.0005%  
 Iron (Fe) < 0.0005%  
 Lead (Pb) < 0.0005%  
 Magnesium (Mg) < 0.0005%  
 Potassium (K) < 0.02%

Reference	Packaging	Size
SOAC-A0A-500	plastic bottle	500 g

### Sodium acetate trihydrate

Acetic Acid Sodium Salt

CH<sub>3</sub>COONa·3H<sub>2</sub>O MW : 136,08 \* CAS : 6131-90-4 \* EC : 204-823-8

#### Sodium acetate trihydrate Analytical Grade

Assay >99.5%  
pH 5% aqueous solution 7.5-9  
Insoluble matter < 0.001%  
Chloride (Cl) < 0.0005%  
Nitrogen compounds (N) < 0.001%  
Phosphate (PO<sub>4</sub>) < 0.0002%  
Sulphate (SO<sub>4</sub>) < 0.002%  
Aluminium (Al) < 0.0005%  
Calcium (Ca) < 0.001%  
Copper (Cu) < 0.0005%  
Iron (Fe) < 0.0005%  
Lead (Pb) < 0.0005%  
Magnesium (Mg) < 0.0005%  
Potassium (K) < 0.0005%  
Substances reducing permanganate (O) < 0.004%

Reference	Packaging	Size
SOAC-03A-500	plastic bottle	500 g

### Sodium benzoate

C<sub>6</sub>H<sub>5</sub>COONa MW : 144,11 \* CAS : 532-32-1 \* EC : 208-534-8

#### Sodium benzoate Analytical Grade Ph. Eur., USP

Assay >99.5% (calculated for dried substances)  
Arsenic (As) < 0.0002%  
Heavy metals (as Pb) < 0.0005%  
Chloride (Cl) < 0.02%  
Sulphate (SO<sub>4</sub>) < 0.01%  
Loss on drying (105 °C) < 1.0%

Reference	Packaging	Size
SOBE-00A-500	plastic bottle	500 g

### Sodium borohydride

NaBH<sub>4</sub> MW : 37,83 \* CAS : 16940-66-2 \* EC : 241-004-4

UN 1426 \* ADR : 4.3 I UN1426 \* IMDG : 4.3 I UN1426 \* IATA : 4.3 I UN1426



#### Sodium borohydride Analytical Grade

Assay >95+% NaBH<sub>4</sub>  
As<0.001%  
Bi<0.0005%  
Fe<0.005%  
Hg<0.001%  
Sb<0.005%  
Se<0.0002%  
Cl<0.5%  
SO<sub>4</sub><0.005%  
Heavy metals as Pb<0.005%

Reference	Packaging	Size
SOBH-00A-050	plastic bottle	50 g

### Sodium bromide

NaBr MW : 102,9 \* CAS : 7647-15-6 \* EC : 231-599-9

#### Sodium bromide Analytical Grade

Assay >99%  
Water soluble matter < 0.005%  
Bromate (BrO<sub>3</sub>) < 0.001%  
Chloride (Cl) < 0.2%  
Sulphate (SO<sub>4</sub>) < 0.002%  
Arsenic (As) < 0.0002%  
Iron (Fe) < 0.0003%  
Heavy metals (Pb) < 0.0005%  
Potassium (K) < 0.1%  
Nickel (Ni) < 0.0005%  
Calcium (Ca) < 0.002%  
Barium (Ba) < 0.002%  
Copper (Cu) < 0.0005%  
Lead < 0.0005%  
Loss on drying at 105 °C < 2.0%  
pH (5% solution) 5-8  
Iodides < 0.001%

Reference	Packaging	Size
SOBR-00A-500	plastic bottle	500 g

### Sodium carbonate anhydrous

Na<sub>2</sub>CO<sub>3</sub>

MW : 105,99 \* CAS : 497-19-8 \* EC : 207-838-8  
\* EC INDEX : 011-005-00-2



#### Sodium carbonate anhydrous Analytical Grade ACS

Assay >99.9%  
Moisture (at 300 °C) < 1.0%  
Chloride (Cl) < 0.002%  
Phosphate and silicate (as SiO<sub>2</sub>) < 0.005%  
Total sulphur (as SO<sub>4</sub>) < 0.005%  
Total nitrogen (N) < 0.001%  
Heavy metals (as Pb) < 0.0005%  
Aluminium (Al) < 0.001%  
Calcium (Ca) < 0.005%  
Iron (Fe) < 0.0005%  
Potassium (K) < 0.01%  
Magnesium (Mg) < 0.0005%

Reference	Packaging	Size
SOCA-A0A-500	plastic bottle	500 g

### Sodium carbonate, volumetric solution

CAS : 497-19-8

#### Sodium carbonate, concentrated to prepare 1 L of solution 0.05 M (0.1 N)

Concentration after dilution = 0.05 mol/L Na<sub>2</sub>CO<sub>3</sub> +/- 0.2%

Reference	Packaging	Size
SOCA-01C-1K0	plastic ampoule	1 amp.

### Sodium chloride

NaCl

MW : 58,44 \* CAS : 7647-14-5 \* EC : 231-598-3

#### Sodium chloride Analytical Grade ACS, Ph. Eur., USP

Assay >99.9%  
Insoluble matter < 0.003%  
Acidity (HCl) < 0.0018%  
Alkalinity < 0.05 ml N%  
Bromide and iodide (Br) < 0.005%  
Ferrocyanide (Fe (CN)<sub>6</sub>) < 0.0001%  
Nitrate (NO<sub>3</sub>) < 0.0005%  
Phosphate (PO<sub>4</sub>) < 0.0005%  
Sulphate (SO<sub>4</sub>) < 0.002%  
Ammonium (NH<sub>4</sub>) < 0.0005%  
Arsenic (As) < 0.00004%  
Barium (Ba) < 0.001%  
Calcium (Ca) < 0.002%  
Copper (Cu) < 0.0002%  
Lead (Pb) < 0.0002%  
Magnesium (Mg) < 0.002%  
Potassium (K) < 0.01%  
Iron (Fe) < 0.0003%

Reference	Packaging	Size
SOCH-00A-500	plastic bottle	500 g

#### Sodium chloride for salt spray chamber ASTM B117-11 Analytical Grade

Assay >99.9%  
Calcium (Ca) max. 0,0002 %  
Potassium (K) max. 0,004 %  
Magnesium (Mg) max. 0,00002 %  
Iron (Fe) max. 0,00002 %  
Heavy metals (as Pb) max. 0,00001 %  
Copper (Cu) max. 0,00001 %  
Nickel (Ni) max. 0,00001 %  
Arsenic (As) max. 0,00001 %  
Barium (Ba) passes test  
Aluminium (Al) max. 0,000002 %  
Iodides ( I ) passes test  
Bromide (Br) max. 0,0005 %  
Sulfates (SO<sub>4</sub>) max. 0,002 %  
Phosphates (PO<sub>4</sub>) max. 0,00025 %  
pH (5%, 20°C) 6,0 ÷ 7,5  
Loss on drying max. 0,1 %

Reference	Packaging	Size
SOCH-0SA-5K0	plastic bottle	5 kg
SOCH-0SA-25K	plastic bottle	25 kg

**Sodium chloride Extra Pure**

Assay >99.5% after drying  
 Loss on drying at 105 °C < 1.0%  
 Sulphate (SO<sub>4</sub>) < 0.02%  
 Ammonia (NH<sub>3</sub>) < 0.002%  
 Iron (Fe) < 0.002%  
 Lead (Pb) < 0.0005%  
 Potassium (K) < 0.02%

Reference	Packaging	Size
SOCH-00T-500	plastic bottle	500 g
SOCH-00T-1K0	plastic bottle	1 Kg

**tri-Sodium citrate dihydrate**

C<sub>6</sub>H<sub>5</sub>Na<sub>3</sub>O<sub>7</sub>·2H<sub>2</sub>O MW : 294,1 \* CAS : 6132-04-3 \* EC : 200-675-3

**tri-Sodium citrate dihydrate Analytical Grade ACS**

Assay >99%  
 pH (5% water 25 °C) 7,5-9,0  
 Chloride (Cl) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.004%  
 Phosphate (PO<sub>4</sub>) < 0.002%  
 Total nitrogen (N) < 0.001%  
 Heavy metals (as Pb) < 0.0005%  
 Iron (Fe) < 0.0005%

Reference	Packaging	Size
SOCI-02A-500	plastic bottle	500 g

**Sodium dichromate dihydrate**

Na<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>·2 H<sub>2</sub>O MW : 298,00 \* CAS : 7789-12-0 \* EC : 234-190-3  
 \* EC INDEX : 024-004-00-7

UN 3086 \* ADR : 6.1(5.1) TO2 II UN 3086 \* IMDG : 6.1(5.1) II UN 3086 \* IATA : 6.1(5.1) II UN 3086


**Sodium dichromate dihydrate Analytical Grade ACS**

Assay >99.5%  
 Insoluble matter < 0.005%  
 Chloride (Cl) < 0.005%  
 Sulphate (SO<sub>4</sub>) < 0.01%  
 Calcium (Ca) < 0.002%  
 Copper (Cu) < 0.01%  
 Iron (Fe) < 0.002%  
 Lead (Pb) < 0.002%  
 Potassium (K) < 0.01%

Reference	Packaging	Size
SODC-02A-500	plastic bottle	500 g

**Sodium dihydrogen phosphate anhydrous**

NaH<sub>2</sub>PO<sub>4</sub> MW : 119,98 \* CAS : 7558-80-7 \* EC : 231-449-2

**Sodium dihydrogen phosphate anhydrous Analytical Grade**

Assay > 99,0 %  
 Appearance white powder  
 Substances insoluble in water max. 0,005 %  
 pH (5%, 20°C) 4,0 - 4,5  
 Chlorides (Cl) max. 0,003 %  
 Heavy metals (as Pb) max. 0,002 %  
 Sulfates (SO<sub>4</sub>) max. 0,005 %  
 Zinc (Zn) max. 0,005 %  
 Copper (Cu) max. 0,005 %  
 Potassium (K) max. 0,03 %  
 Calcium (Ca) max. 0,005 %  
 Iron (Fe) max. 0,003 %

Reference	Packaging	Size
SODH-00A-500	plastic bottle	500 g

**Sodium dihydrogen phosphate monohydrate**

NaH<sub>2</sub>PO<sub>4</sub> · H<sub>2</sub>O MW : 137,99 \* CAS : 10049-21-5 \* EC : 231-449-2

**Sodium dihydrogen phosphate monohydrate Analytical Grade**

Assay > 99,0 %  
 Substances insoluble in water max. 0,005 %  
 pH (5%, 20°C) 4,5  
 Total nitrogen (N) max. 0,002 %  
 Chlorides (Cl) max. 0,001 %  
 Heavy metals (as Pb) max. 0,001 %  
 Sulfates (SO<sub>4</sub>) max. 0,005 %  
 Arsenic (As) max. 0,0001 %  
 Magnesium (Mg) max. 0,001 %  
 Calcium (Ca) max. 0,005 %  
 Iron (Fe) max. 0,002 %

Reference	Packaging	Size
SODH-01A-500	plastic bottle	500 g

**Sodium dihydrogen phosphate dihydrate**

NaH<sub>2</sub>PO<sub>4</sub>·2H<sub>2</sub>O MW : 156,01 \* CAS : 13472-35-0

**Sodium dihydrogen phosphate dihydrate Analytical Grade**

Assay 99,0-100,5%  
 Identity (according to Pharmacopoeia): passes test  
 Appearance of solution: passes test  
 Water insoluble matter < 0.01%  
 Chloride (Cl) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Iron (Fe) < 0.001%  
 pH value (1% water): 4.1 - 4.7  
 pH value (5% water): 4.2 - 4.5  
 pH value (5.7% water): 4.1 - 4.5  
 Aluminium, Calcium and related elements: passes test  
 Lead (Pb) < 0.0001%  
 Substances reducing KMnO<sub>4</sub>: Passes test  
 Arsenic (As) < 0.0002%  
 Calcium (Ca) < 0.002%  
 Copper (Cu) < 0.0001%  
 Magnesium (Mg) < 0.001%  
 Potassium (K) < 0.005%  
 Loss on drying (130 °C): 21.5 - 24.0

Reference	Packaging	Size
SODH-02A-500	plastic bottle	500 g

**Sodium hydrogen carbonate**

NaHCO<sub>3</sub> MW : 84,01 \* CAS : 144-55-8 \* EC : 205-633-8

**Sodium hydrogen carbonate Analytical Grade ACS, Ph. Eur., USP**

Assay >99.5%  
 Insoluble matter < 0.02%  
 pH of solution < 8.4  
 Chloride (Cl) < 0.003%  
 Nitrogen compounds (N) < 0.001%  
 Phosphate (PO<sub>4</sub>) < 0.005%  
 Silicate (SiO<sub>2</sub>) < 0.005%  
 Sulphate (SO<sub>4</sub>) < 0.015%  
 Ammonium (NH<sub>4</sub>) < 0.005%  
 Arsenic (As) < 0.00004%  
 Calcium (Ca) < 0.005%  
 Copper (Cu) < 0.0005%  
 Iron (Fe) < 0.001%  
 Lead (Pb) < 0.0005%  
 Magnesium (Mg) < 0.005%  
 Potassium (K) < 0.005%  
 Substances reducing iodine (I) < 0.0065%

Reference	Packaging	Size
SOHC-00A-500	plastic bottle	500 g

**Sodium hydrogen carbonate Extra Pure**

Assay >99.5%  
 Appearance A soft white crystalline powder  
 Assay (acidimetric) 99.5 - 101%  
 pH (5% water) 8.0 - 8.5  
 Chloride (Cl) < 0.015%  
 Sulphate (SO<sub>4</sub>) < 0.01%  
 Total Nitrogen < 0.002%  
 Heavy metals (as Pb) < 0.0005%  
 Arsenic (As) < 0.0002%  
 Lead (Pb) < 0.0005%  
 Calcium (Ca) < 0.01%  
 Iron (Fe) < 0.002%

Reference	Packaging	Size
SOHC-00T-500	plastic bottle	500 g

## di-Sodium hydrogen phosphate dodecahydrate

$\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$  MW : 358,14 \* CAS : 10039-32-4 \* EC : 231-448-7

### di-Sodium hydrogen phosphate dodecahydrate Analytical Grade

Assay >99.0%  
 pH (5% water) 9.1 - 9.4  
 Chloride (Cl) <0.005%  
 Sulphate (SO<sub>4</sub>) <0.005%  
 Total nitrogen (N) <0.001%  
 Heavy metals (as Pb) <0.0005%  
 Iron (Fe) <0.0005%  
 Arsenic (As) <0.00005%  
 Potassium (K) <0.005%

Reference	Packaging	Size
SOPH-12A-500	plastic bottle	500 g

## Sodium hydroxyde pellets

Caustic Soda

NaOH MW : 40 \* CAS : 1310-73-2 \* EC : 215-185-5  
 \* EC INDEX : 011-002-00-6

UN 1823 \* ADR : 8 C6 II UN 1823 \* IMDG : 8 II UN 1823 \* IATA : 8 II UN 1823



### Sodium hydroxide pellets Analytical Grade ACS, BP, USP, Ph. Eur.

Assay >98%  
 Sodium Carbonate (Na<sub>2</sub>CO<sub>3</sub>) < 1%  
 Chloride (Cl) < 0.005%  
 Sulphate (SO<sub>4</sub>) < 0.0005%  
 Phosphate (PO<sub>4</sub>) < 0.0005%  
 Silicate (SiO<sub>2</sub>) < 0.001%  
 Total nitrogen (N) < 0.0003%  
 Heavy metals (as Pb) < 0.0005%  
 Nickel (Ni) < 0.0005%  
 Iron (Fe) < 0.0005%  
 Aluminium (Al) < 0.0005%  
 Calcium (Ca) < 0.0005%  
 Potassium (K) < 0.005%

Reference	Packaging	Size
SOHY-P0A-500	plastic bottle	500 g
SOHY-P0A-1K0	plastic bottle	1 Kg

### Sodium hydroxide pellets Extra Pure

Assay >98%  
 Appearance White deliquescent pellets  
 Assay (acidimetric) > 98%  
 Carbonate (as Na<sub>2</sub>CO<sub>3</sub>) < 1.0%  
 Chloride (Cl) < 0.01%  
 Sulphate (SO<sub>4</sub>) < 0.003%  
 Phosphate (PO<sub>4</sub>) < 0.002%  
 Silicate as (SiO<sub>2</sub>) < 0.01%  
 Nitrogen compounds (as N) < 0.0005%  
 Heavy metals (as Pb) < 0.002%  
 Iron (Fe) < 0.001%  
 Aluminium (Al) < 0.001%  
 Arsenic (As) < 0.0004%  
 Potassium (K) < 0.1%

Reference	Packaging	Size
SOHY-P0T-500	plastic bottle	500 g

## Sodium hydroxide 32% w/v

NaOH MW : 40 \* CAS : 1310-73-2 \* EC : 215-185-5

UN 1824 \* ADR : 8 C6 II UN 1824 \* IMDG : 8 II UN 1824 \* IATA : 8 II UN 1824



### Sodium hydroxide 32% w/v Analytical Grade

Assay 32% w/v  
 432 g NaOH / L H<sub>2</sub>O  
 Na<sub>2</sub>CO<sub>3</sub> < 0.5%  
 Al < 0.0005%  
 Fe < 0.0005%  
 Heavy metals as Pb < 0.0002%  
 Cl < 0.001%  
 N < 0.0001%  
 SO<sub>4</sub> < 0.005%  
 S < 0.0001%  
 CN < 0.0001%  
 SiO<sub>2</sub> < 0.01%

Reference	Packaging	Size
SOHY-32A-5K0	plastic bottle	5 L

## Sodium hydroxide 40% w/w

NaOH MW : 40 \* CAS : 1310-73-2 \* EC : 215-185-5

UN 1824 \* ADR : 8 C6 II UN 1824 \* IMDG : 8 II UN 1824 \* IATA : 8 II UN 1824



### Sodium hydroxide 40% w/w Analytical Grade

Assay 40,0 % ± 1,0 %  
 Appearance colourless liquid  
 Chlorides (Cl) max. 0,005 %  
 Sulfates (SO<sub>4</sub>) max. 0,01 %  
 Sodium carbonate (Na<sub>2</sub>CO<sub>3</sub>) max. 0,1 %  
 Lead (Pb) max. 0,001 %  
 Iron (Fe) max. 0,0005 %

Reference	Packaging	Size
SOHY-40A-5K0	plastic bottle	5 L
SOHY-40A-10K	plastic bottle	10 L

## Sodium hydroxide, volumetric solutions

CAS : 1310-73-2

UN 1824 \* ADR : 8 C5 III UN1824 \* IMDG : 8 III UN1824 \* IATA : 8 III UN1824



### Sodium hydroxide, concentrated to prepare 1 L of solution 0.1 M (0.1 N)

Concentration after dilution = 0.1 mol/L NaOH +/- 0.2%

Reference	Packaging	Size
SOHY-01C-1K0	plastic ampoule	1 amp.

### Sodium hydroxide, concentrated to prepare 1 L of solution 1 M (1 N)

Concentration after dilution = 1 mol/L NaOH ± 0.2%

Reference	Packaging	Size
SOHY-1C0-1K0	plastic ampoule	1 amp.

### Sodium hydroxide, volumetric solution 0.1 M (0.1 N)

Tolerance ± 0.0005M (0.0005N)

Reference	Packaging	Size
SOHY-01V-1K0	plastic bottle	1 L

### Sodium hydroxide, volumetric solution 0.5 M (0.5 N)

Tolerance ± 0.0005M (0.0005N)

Reference	Packaging	Size
SOHY-05V-1K0	plastic bottle	1 L

### Sodium hydroxide, volumetric solution 1.0 M (1.0 N)

Tolerance ± 0.005M (0.005N)

Reference	Packaging	Size
SOHY-1V0-1K0	plastic bottle	1 L

### Sodium hydroxide, volumetric solution 5.0 M (5.0 N)

Tolerance ± 0.005M (0.005N)

Reference	Packaging	Size
SOHY-5V0-1K0	plastic bottle	1 L



**Sodium hypochlorite solutions**

UN 1791 \* ADR : UN 1791 8, II \* IMDG : UN 1791 8, II \* IATA : UN 1791 8, II


**Sodium hypochlorite 5% GLR**

Appearance liquid: colourless or yellow  
 Active chlorine > 5%  
 $\text{Na}_2\text{CO}_3 + \text{NaOH}$  max. 10 g/L  
 Phosphates (PO<sub>4</sub>) max. 0,0005 %  
 Calcium (Ca) max. 0,001 %  
 Density 1,033 g/ml (18°C)

Reference	Packaging	Size
HYPO-05P-1K0	plastic bottle	1 L

**Sodium hypochlorite 10% GLR**

Appearance liquid: colourless or yellow  
 Active chlorine > 10,0 %  
 $\text{Na}_2\text{CO}_3 + \text{NaOH}$  max. 20 g/L  
 Iron (Fe) max. 0,05 %  
 Density 1,0681 g/ml (18°C)

Reference	Packaging	Size
HYPO-10P-1K0	plastic bottle	1 L

**Sodium iodide**

NaI MW : 149,89 \* CAS : 7681-82-5 \* EC : 231-679-3

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077


**Sodium iodide Analytical Grade ACS**

Assay >99.5%  
 pH (5% solution) 6-9  
 Chloride and bromide (as Cl) < 0.01%  
 Sulphate (SO<sub>4</sub>) < 0.002%  
 Iodate (IO<sub>3</sub>) < 0.0002%  
 Total nitrogen (N) < 0.002%  
 Lead (Pb) < 0.0001%  
 Copper (Cu) < 0.0001%  
 Nickel (Ni) < 0.00001%  
 Iron (Fe) < 0.0005%  
 Calcium (Ca) < 0.001%  
 Potassium (K) < 0.01%  
 Loss on drying (105 °C) < 0.5%

Reference	Packaging	Size
SOIO-00A-100	plastic bottle	100 g

**Sodium molybdate dihydrate**
 $\text{Na}_2\text{MoO}_4 \cdot 2 \text{H}_2\text{O}$  MW : 241,95 \* CAS : 10102-40-6 \* EC : 231-551-7

**Sodium molybdate dihydrate Analytical Grade ACS**

Assay 99.0-102%  
 Insoluble matter < 0.005%  
 Reaction pH 7.0-9.0  
 Chloride (Cl) < 0.001%  
 Nitrate (NO<sub>3</sub>) < 0.005%  
 Phosphate (PO<sub>4</sub>) < 0.001%  
 Sulphate (SO<sub>4</sub>) < 0.02%  
 Ammonium (NH<sub>4</sub>) < 0.01%  
 Copper (Cu) < 0.002%  
 Iron (Fe) < 0.001%  
 Lead (Pb) < 0.001%

Reference	Packaging	Size
SOMO-02A-100	plastic bottle	100 g

**Sodium nitrate**
 $\text{NaNO}_3$  MW : 84,99 \* CAS : 7631-99-4 \* EC : 231-554-3

UN 1498 \* ADR : 5.1 O2 III UN 1498 \* IMDG : 5.1 III UN 1498 \* IATA : 5.1 III UN 1498


**Sodium nitrate Analytical Grade ACS**

Assay >99.5%  
 pH (5% aqueous) 5.0-7.5  
 Insoluble matter < 0.003%  
 Chloride (Cl) < 0.0005%  
 Iodate (IO<sub>3</sub>) < 0.0005%  
 Nitrite (NO<sub>2</sub>) < 0.0005%  
 Phosphate (PO<sub>4</sub>) < 0.0002%  
 Sulphate (SO<sub>4</sub>) < 0.003%  
 Arsenic (As) < 0.00004%  
 Calcium (Ca) < 0.002%  
 Copper (Cu) < 0.0002%  
 Iron (Fe) < 0.0002%  
 Lead (Pb) < 0.0002%  
 Potassium (K) < 0.005%

Reference	Packaging	Size
SONA-00A-500	plastic bottle	500 g

**Sodium nitrate Extra Pure 99%**

Assay >99.0%  
 Chloride (Cl) < 0.001%  
 Chlorate, perchlorate (as Cl) < 0.01%  
 Nitrite (NO<sub>2</sub>) < 0.002%  
 Sulphate (SO<sub>4</sub>) < 0.01%  
 Heavy metals (as Pb) < 0.001%  
 Arsenic (As) < 0.0003%  
 Lead (Pb) < 0.001%  
 Calcium (Ca) < 0.005%  
 Iron (Fe) < 0.001%  
 Magnesium (Mg) < 0.001%  
 Potassium (K) < 0.01%  
 Copper (Cu) < 0.001%  
 Zinc (Zn) < 0.001%

Reference	Packaging	Size
SONA-00T-500	plastic bottle	500 g

**Sodium nitrite**
 $\text{NaNO}_2$  MW : 69 \* CAS : 7632-00-0 \* EC : 231-555-9

UN 1500 \* ADR : 5.1 (6.1) OT2 III UN 1500 \* IMDG : 5.1 (6.1) III UN 1500 \* IATA : 5.1 (6.1) III UN 1500


**Sodium nitrite Analytical Grade ACS**

Assay >98%  
 Insoluble matter < 0.003%  
 Chloride (Cl) < 0.005%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Arsenic (As) < 0.00004%  
 Calcium (Ca) < 0.002%  
 Copper (Cu) < 0.0005%  
 Iron (Fe) < 0.001%  
 Lead (Pb) < 0.0005%  
 Magnesium (Mg) < 0.002%  
 Potassium (K) < 0.001%

Reference	Packaging	Size
SONI-00A-500	plastic bottle	500 g

**Sodium oxalate**

(COONa)<sub>2</sub> MW : 134 \* CAS : 62-76-0 \* EC : 200-550-3  
\* EC INDEX : 607-007-00-3


**Sodium oxalate Analytical Grade**

Assay >99.8%  
pH (3% in water) 7.5 - 8.5  
Chloride (Cl) <0.002%  
Sulphate (SO<sub>4</sub>) <0.02%  
Total nitrogen (N) <0.001%  
Heavy metals (as Pb) <0.001%  
Iron (Fe) <0.0005%  
Potassium (K) <0.005%  
Loss on drying at 105 °C <1.0%

Reference	Packaging	Size
SOOX-00A-500	plastic bottle	500 g

**Sodium salicylate**

C<sub>7</sub>H<sub>5</sub>NaO<sub>3</sub> MW : 160.1 \* CAS : 54-21-7

**Sodium salicylate Analytical Grade Ph.Eur**

Content: 99.0 % - 101.0 % (dried substance).  
Appearance: White or almost white, crystalline powder or small, colourless crystals or shiny flakes.  
Identification: Conforms  
Appearance of solution: Conforms  
Acidity: Passes test  
Chlorides : ≤ 200 ppm.  
Sulfates : ≤ 600 ppm.  
Heavy metals : ≤ 20 ppm.  
Loss on drying : ≤ 0.5 %

Reference	Packaging	Size
SOCY-00A-500	plastic bottle	500 g

**Sodium sulfate anhydrous**

Na<sub>2</sub>SO<sub>4</sub> MW : 142,04 \* CAS : 7757-82-6 \* EC : 231-820-9

**Sodium sulfate anhydrous Analytical Grade ACS**

Assay >99%  
pH (5% water) 5-8  
Chloride (Cl) < 0.001%  
Phosphate (PO<sub>4</sub>) < 0.002%  
Total nitrogen (N) < 0.0005%  
Heavy metals (as Pb) < 0.0005%  
Arsenic (As) < 0.0001%  
Calcium (Ca) < 0.005%  
Iron (Fe) < 0.0005%  
Potassium (K) < 0.01%  
Magnesium (Mg) < 0.001%  
Substances precipitated with NH<sub>4</sub>OH, (oxalate and Phosphate) (as oxide) < 0.02%  
Loss on ignition (800 °C) < 0.5%

Reference	Packaging	Size
SOSU-AGA-500	plastic bottle	500 g

**Sodium sulfate anhydrous Extra Pure BP, USP**

Assay >99%  
Appearance A white crystalline powder  
Identity Passes test  
Appearance of solution Passes test  
Acidity or Alkalinity Passes test  
pH (5% water) 5.2 - 8.0  
Chloride (Cl) < 0.002%  
Heavy metals (as Pb) < 0.001%  
Arsenic (As) < 0.0003%  
Calcium (Ca) < 0.005%  
Iron (Fe) < 0.001%  
Magnesium (Mg) < 0.001%  
Loss on drying (at 130 deg C) < 0.5%

Reference	Packaging	Size
SOSU-00T-500	plastic bottle	500 g

**Sodium sulfite anhydrous**

Na<sub>2</sub>SO<sub>3</sub> MW : 126,04 \* CAS : 7757-83-7 \* EC : 231-821-4

**Sodium sulfite anhydrous Analytical Grade ACS**

Assay >98%  
Free acid: passes test  
Free alkali (as Na<sub>2</sub>CO<sub>3</sub>) < 0.15%  
Chloride (Cl) < 0.02%  
Lead (Pb) < 0.0005%  
Copper (Cu) < 0.0005%  
Iron (Fe) < 0.001%  
Arsenic (As) < 0.0001%  
Zinc (Zn) < 0.001%

Reference	Packaging	Size
SUSL-00A-500	plastic bottle	500 g

**Sodium tartrate dihydrate**

C<sub>4</sub>H<sub>4</sub>Na<sub>2</sub>O<sub>6</sub>·2H<sub>2</sub>O MW : 230,08 \* CAS : 6106-24-7 \* EC : 212-773-3

**Sodium tartrate dihydrate Analytical Grade ACS**

Assay >99.5%  
pH (5% solution 20 °C) 7-8  
Chloride (Cl) < 0.0005%  
Sulphate (SO<sub>4</sub>) < 0.002%  
Phosphate (PO<sub>4</sub>) < 0.0005%  
Total nitrogen (N) < 0.002%  
Heavy metals (as Pb) < 0.0005%  
Calcium (Ca) < 0.005%  
Iron (Fe) < 0.0005%

Reference	Packaging	Size
SOTA-02A-250	plastic bottle	250 g

**di-Sodium tetraborate decahydrate**

Borax, Sodium baborate decahydrate, Sodium borate decahydrate

Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>·10H<sub>2</sub>O MW : 381,37 \* CAS : 1303-96-4 \* EC : 215-540-4  
\* EC INDEX : 005-011-01-1


**di-Sodium tetraborate decahydrate (BORAX) Analytical Grade**

Appearance colourless crystals or white powder  
Assay 99,5 - 100,5 %  
Substances insoluble in water max. 0,005 %  
pH (0,01 mol/l, H<sub>2</sub>O, 25 °C) 9,15 - 9,2  
Chlorides (Cl) max. 0,001 %  
Phosphates (PO<sub>4</sub>) max. 0,001 %  
Sulfates (SO<sub>4</sub>) max. 0,005 %  
Heavy metals (as Pb) max. 0,001 %  
Calcium (Ca) max. 0,005 %  
Iron (Fe) max. 0,0005 %

Reference	Packaging	Size
BORX-00A-500	plastic bottle	500 g

**Sodium thiosulfate pentahydrate**

Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>·5 H<sub>2</sub>O MW : 248,21 \* CAS : 10102-17-7 \* EC : 231-867-5

**Sodium thiosulfate pentahydrate Analytical Grade ACS**

Assay 99.5-100.5%  
Insoluble matter < 0.003%  
Reaction pH 5.5-7.5  
Chloride (Cl) < 0.005%  
Nitrogen compounds (N) < 0.005%  
Sulphate and sulphite (SO<sub>4</sub>) < 0.03%  
Sulphide (S) < 0.0002%  
Calcium (Ca) < 0.002%  
Copper (Cu) < 0.0005%  
Iron (Fe) < 0.0005%  
Lead (Pb) < 0.0005%  
Magnesium (Mg) < 0.001%  
Potassium (K) < 0.001%

Reference	Packaging	Size
SOTH-05A-500	plastic bottle	500 g

**Sodium thiosulfate pentahydrate Extra Pure**

Assay >99%  
pH (5% water) 6.0 - 8.4  
Chloride (Cl) < 0.01%  
Sulphate & Sulphite (as SO<sub>4</sub>) < 0.2%  
Sulphide (S) < 0.0005%  
Heavy metals (as Pb) < 0.0005%  
Arsenic (As) < 0.0002%  
Calcium (Ca) < 0.01%  
Iron (Fe) < 0.005%  
Potassium (K) < 0.02%  
Magnesium (Mg) < 0.005%

Reference	Packaging	Size
SOTH-05T-500	plastic bottle	500 g

**Sodium thiosulfate, volumetric solutions**

CAS : 7772-98-7

**Sodium thiosulfate, concentrated to prepare 1 L of solution 0.1 M (0.1 N)**

Concentration after dilution = 0.1 mol /L Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>·5H<sub>2</sub>O +/- 0.2%

Reference	Packaging	Size
SOTH-01C-1K0	plastic ampoule	1 amp.

**Sodium thiosulfate 0.1 mol/L Volumetric solution**

 24.818 g Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>·5H<sub>2</sub>O / 1 H<sub>2</sub>O = 0.1 N (±0.0002/20°C)

Reference	Packaging	Size
SOTH-01V-1K0	plastic bottle GL45	1 L

**Starch**

Amylum, Potato starch

 (C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>)<sub>n</sub> MW : (162.1)n \* CAS : 9005-84-9 \* EC : 232-686-4

**Starch Extra Pure**

Sensitivity: passes test  
 Loss on drying (105 °C) < 10%  
 Sulphated ash < 0.5%  
 Chloride (Cl) < 0.04%  
 Acidity < 3 ml N/1%

Reference	Packaging	Size
STAR-00T-500	plastic bottle	500 g

**Starch 1% indicator**

 (C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>)<sub>n</sub> MW : (162.1)n \* CAS : 9005-84-9 \* EC : 232-679-6

**Starch 1% indicator**

Assay 1,0 % ± 0,1 %  
 pH 5,0 - 7,5

Reference	Packaging	Size
STAR-10I-250	glass bottle	250 ml

**Sucrose**

 C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> MW : 342,29 \* CAS : 57-50-1 \* EC : 200-334-9

**Sucrose Analytical grade**

Appearance colourless crystals or white powder  
 Assay min. 99,8 %  
 Specific rotation(20°C, 10%, H<sub>2</sub>O) min. 66,4 °  
 Substances insoluble in water max. 0,003 %  
 Acids (as CH<sub>3</sub>COOH) max. 0,008 %

Residue on ignition max. 0,01 %  
 Chlorides (Cl) max. 0,001 %  
 Sulfates (SO<sub>4</sub>) max. 0,002 %  
 Heavy metals (as Pb) max. 0,0002 %  
 Barium (Ba) max. 0,002 %  
 Calcium (Ca) max. 0,002 %  
 Iron (Fe) max. 0,0002 %

Reference	Packaging	Size
SUCR-00A-500	plastic bottle	500 g
SUCR-00A-1K0	plastic bottle	1 kg

**Sudan black B, C.I. 26150**

Solvent Black 3

 C<sub>29</sub>H<sub>24</sub>N<sub>6</sub> MW : 456,55 \* CAS : 4197-25-5 \* EC : 224-087-1

**Sudan black B, C.I. 26150 for microscopy**

Assay >60%  
 Absorption (in ethanol 95%) max. 596 - 605 nm  
 Loss on drying (50 °C/0.05 mm Hg) < 5%  
 Suitability for microscopy: passes test

Reference	Packaging	Size
SUDN-B0D-025	plastic bottle	25 g

**Sudan III, C.I. 26100**

Solvent Red 23,Sudan G,Tony Red,Red Oil AS,Red Oil B,Red Oil 3 B,1-(4-(Phenylazo) Phenylazo)-2-Naphtol

 C<sub>22</sub>H<sub>12</sub>N<sub>4</sub>O MW : 352,4 \* CAS : 85-86-9 \* EC : 201-638-4

**Sudan III, C.I. 26100 for microscopy**

Assay >85%  
 Absorption max. 508-512 nm

Reference	Packaging	Size
SUDN-30D-025	plastic bottle	25 g

**Sudan IV, C.I. 26105**

Solvent Red 24

 C<sub>24</sub>H<sub>20</sub>N<sub>2</sub>O MW : 380,45 \* CAS : 85-83-6 \* EC : 201-635-8

**Sudan IV, C.I. 26105 for microscopy**

Absorption max. 520-523 nm

Reference	Packaging	Size
SUDN-40D-025	plastic bottle	25 g

**5-Sulfosalicylic acid dihydrate**

 C<sub>7</sub>H<sub>6</sub>O<sub>6</sub>S<sub>2</sub>·H<sub>2</sub>O MW : 254,22 \* CAS : 5965-83-3 \* EC : 202-555-6

UN 3261 \* ADR : 8 III UN 3261 \* IMDG : 8 III UN 3261 \* IATA : 8 III UN 3261


**5-Sulfosalicylic acid dihydrate Analytical Grade**

Assay min. 98,0 %  
 Substances insoluble in water max. 0,005 %  
 Salicylic acid (C<sub>7</sub>H<sub>6</sub>O<sub>3</sub>) max. 0,05 %  
 Residue on ignition (as SO<sub>4</sub>) max. 0,1 %  
 Chlorides (Cl) max. 0,002 %

Sulphates (SO<sub>4</sub>) max. 0,5 %  
 Heavy metals (as Pb) max. 0,001 %  
 Iron (Fe) max. 0,001 %  
 Appearance white crystals or white powder

Reference	Packaging	Size
SFAC-00A-500	plastic bottle	500 g

**Sulfur powder**

S MW : 32,06 \* CAS : 7704-34-9 \* EC : 231-722-6

UN 1350 \* ADR : 4.1 F3 III UN 1350 \* IMDG : 4.1 III UN 1350 \* IATA : 4.1 III UN 1350


**Sulfur powder Analytical Grade**

Assay 99.5-100.5 (by iodometry)  
 Arsenic (As) < 0.0004%  
 Sulphated ash < 0.25%  
 Acidity or alkalinity: passes test

Reference	Packaging	Size
SUPW-00A-500	plastic bottle	500 g

**Sulfuric acid 25%**

H<sub>2</sub>SO<sub>4</sub> MW : 98,08 \* CAS : 7664-93-9 \* EC : 231-639-5  
 \* EC INDEX : 016-020-00-8

UN 2796 \* ADR : 8 C1 II UN 2796 \* IMDG : 8 II UN 2796 \* IATA : 8 II UN 2796


**Sulfuric acid 25% Analytical Grade**

Assay >25%  
 Density approx 1,1783 g/ml (20 °C)  
 Residue on ignition max. 0,001 %  
 Subst. reducing KMnO<sub>4</sub> max. 0,0003 %  
 Nitrates (NO<sub>3</sub>) max. 0,0002 %  
 Chlorides (Cl) max. 0,0001 %

Ammonia salt (NH<sub>4</sub>) max. 0,0003 %  
 Heavy metals (as Pb) max. 0,0002 %  
 Iron (Fe) max. 0,0001 %  
 Arsenic (As) max. 0,000005 %  
 Selenium (Se) max. 0,0003 %

Reference	Packaging	Size
SUAC-25A-1K0	plastic bottle PP28	1 L

### Sulfuric acid 91%

H<sub>2</sub>SO<sub>4</sub> MW : 98,08 \* CAS : 7664-93-9 \* EC : 231-639-5  
\* EC INDEX : 016-020-00-8

UN 1830 \* ADR : 8 C1 II UN 1830 \* IMDG : 8 II UN 1830 \* IATA : 8 II UN 1830



#### Sulfuric acid 91% for Gerber method Analytical Grade

Assay > 91%  
Residue on ignition max. 0,001 %  
Substances reducing KMnO<sub>4</sub> (as SO<sub>2</sub>) max. 0,0003 %  
Nitrites (NO<sub>2</sub>) max. 0,0002 %  
Chlorides (Cl) max. 0,0001 %  
Ammonia salt (NH<sub>4</sub>) max. 0,0003 %  
Heavy metals (as Pb) max. 0,0002 %  
Arsenic (As) max. 0,000005 %  
Selenium (Se) max. 0,0003 %  
Iron (Fe) max. 0,0001 %

Reference	Packaging	Size
SUAC-90A-1K0	plastic bottle PP28	1 L
SUAC-90A-5K0	plastic bottle	5 L

### Sulfuric acid 95-97%

H<sub>2</sub>SO<sub>4</sub> MW : 98,08 \* CAS : 7664-93-9 \* EC : 231-639-5  
\* EC INDEX : 016-020-00-8

UN 1830 \* ADR : 8 C1 II UN 1830 \* IMDG : 8 II UN 1830 \* IATA : 8 II UN 1830



#### Sulfuric acid 95-97% Analytical Grade ISO

Assay 95-97%  
Res.<0.0005%  
Cl<0.000005%  
NO<sub>3</sub><0.00002%  
NH<sub>4</sub><0.0001%  
Red.<0.0002%  
As<0.000003%  
Se<0.0003%  
Cd<0.00001%  
Cu<0.00001%  
Fe<0.00002%  
Pb<0.00001%  
Zn<0.00001%

Reference	Packaging	Size
SUAC-6Al-1K0	plastic bottle GL45	1 L
SUAC-6Al-2K5	plastic bottle GL45	2,5 L

### Sulfuric acid 98%

H<sub>2</sub>SO<sub>4</sub> MW : 98,08 \* CAS : 7664-93-9 \* EC : 231-639-5

UN 1830 \* ADR : 8 C1 II UN 1830 \* IMDG : 8 II UN 1830 \* IATA : 8 II UN 1830



#### Sulfuric acid 98% Analytical Grade

Assay >98.0%  
Non-volatile matter < 0.002%  
Chloride (Cl) < 0.00002%  
Nitrate (NO<sub>3</sub>) < 0.00002%  
Ammonium (NH<sub>4</sub>) < 0.0002%  
Arsenic (As) < 0.000005%  
Copper (Cu) < 0.00001%  
Iron (Fe) < 0.0001%  
Lead (Pb) < 0.0001%  
Selenium (Se) < 0.001%  
Substances reducing permanganate (O) < 0.0001%

Reference	Packaging	Size
SUAC-00A-1K0	glass bottle GL45	1 L
SUAC-00A-2K5	glass bottle GL45	2,5 L

#### Sulfuric acid 98% Extra Pure Ph.Eur., USP

Assay >98.0%  
Chloride (Cl) <0.0002%  
Nitrate (NO<sub>3</sub>) < 0.0001%  
Heavy metals (as Pb) < 0.0005%  
Ammonium (NH<sub>4</sub>) < 0.0005%  
Arsenic (As) < 0.00001%  
Iron (Fe) < 0.0002%  
Substances reducing KMnO<sub>4</sub> < 0.02 ml N/1%  
Residue on ignition < 0.005%  
Density (20°C) about 1.84 g/ml

Reference	Packaging	Size
SUAC-00T-1K0	glass bottle GL45	1 L
SUAC-00T-2K5	glass bottle GL45	2,5 L

### Sulfuric acid, volumetric solutions

H<sub>2</sub>SO<sub>4</sub> MW : 98,08 \* CAS : 7664-93-9 \* EC : 231-639-5

UN 2796 \* ADR : 8 C1 II UN 2796 \* IMDG : 8 II UN 2796 \* IATA : 8 II UN 2796



#### Sulfuric acid, concentrated to prepare 1 L of solution 0.05 M (0.1 N)

Concentration after dilution = 0.05 mol/L H<sub>2</sub>SO<sub>4</sub> ± 0.2%

Reference	Packaging	Size
SUAC-01C-1K0	plastic ampoule	1 amp.

#### Sulfuric acid, concentrated to prepare 1 L of solution 0.5 M (1 N)

Concentration after dilution = 0.5 mol/L H<sub>2</sub>SO<sub>4</sub> ± 0.2%

Reference	Packaging	Size
SUAC-1C0-1K0	plastic ampoule	1 amp.

#### Sulfuric acid, volumetric solution 0.05 M (0.1 N)

Tolerance ± 0.0005M

Reference	Packaging	Size
SUAC-01V-1K0	plastic bottle	1 L

#### Sulfuric acid, volumetric solution 0.1 M (0.2 N)

Tolerance ± 0.0005M

Reference	Packaging	Size
SUAC-02V-1K0	plastic bottle	1 L

#### Sulfuric acid, volumetric solution 0.5 M (1.0 N)

Tolerance ± 0.0005M

Reference	Packaging	Size
SUAC-1V0-1K0	plastic bottle	1 L

#### Sulfuric acid, volumetric solution 1.0 M (2.0 N)

Tolerance ± 0.005M

Reference	Packaging	Size
SUAC-2V0-1K0	plastic bottle	1 L

### Tannic acid

Tannine, Galotannine, Galotannic acid

C<sub>76</sub>H<sub>52</sub>O<sub>46</sub> MW : 1701,22 \* CAS : 1401-55-4 \* EC : 215-753-2

#### Tannic acid Extra Pure BP

Reaction of aqueous solution: passes test  
Dextrines, gum, salts, sugars: passes test  
Resinous substances: passes test  
Heavy metals (as Pb) < 0.003%  
Arsenic (As) < 0.0003%  
Loss on drying (105 °C) < 9.0%  
Sulphated ash < 0.1%

Reference	Packaging	Size
TNAC-00T-250	plastic bottle	250 g

### L(+)-Tartaric acid

2,3-Dihydroxybutanedioic acid

C<sub>4</sub>H<sub>6</sub>O<sub>6</sub> MW : 150,08 \* CAS : 87-69-4 \* EC : 201-766-0



**L(+)-Tartaric acid Analytical Grade**

Assay >99.7%  
 Sulphated ash < 0.01%  
 Chloride (Cl) < 0.0005%  
 Sulphate (SO<sub>4</sub>) < 0.005%  
 Heavy metals (as Pb) < 0.0005%  
 Iron (Fe) < 0.0005%  
 Calcium (Ca) < 0.002%

Reference	Packaging	Size
TRAC-LOA-500	plastic bottle	500 g

**Tartrazine for microscopy, C.I. 19140**

C<sub>16</sub>H<sub>9</sub>N<sub>4</sub>O<sub>9</sub>S<sub>2</sub>Na<sub>3</sub> MW : 534,4 \* CAS : 1934-21-0

**Tartrazine for microscopy, C.I. 19140 Analytical Grade**

Absorption maxima in water 421-427nm  
 Absorptivity, 1cm, A<sub>max</sub> < 400  
 Loss on drying at 135 °C < 15.0%

Reference	Packaging	Size
TART-00D-100	glass bottle	100 g

**Tetrachloroethylene**

Perchloroethene; Perchloroethylene

C<sub>2</sub>Cl<sub>4</sub> MW : 165,83 \* CAS : 127-18-4 \* EC : 204-825-9  
 \* EC INDEX : 602-028-00-4

UN 1897 \* ADR : 6.1, III UN 1897 \* IMDG : 6.1, III UN 1897 \* IATA : 6.1, III UN 1897


**Tetrachloroethylene 99.9% GLR**

Assay ≥ 99.9%  
 Appearance Colourless transparent liquid  
 Colour (HAZEN) ≤ 15  
 Water ≤ 30 ppm  
 Density (20°C) 1,620 – 1,625 g/ml  
 Non Volatile Residue ≤ 30 ppm  
 Alkalinity ≤ 30 ppm  
 Stabilizer approx. 6-20 ppm N-methylmorpholine

Reference	Packaging	Size
TTCE-G0P-1K0	glass bottle	1 L
TTCE-M0P-5K0	metal can	5 L
TTCE-M0P-25K	metal can	25 L

**Tetrahydrofuran**

THF, Diethylene Oxide, Tetramethylene Oxide

C<sub>4</sub>H<sub>8</sub>O MW : 72,11 \* CAS : 109-99-9 \* EC : 203-726-8  
 \* EC INDEX : 603-025-00-0

UN 2056 \* ADR : 3 F1 II UN 2056 \* IMDG : 3 II UN 2056 \* IATA : 3 II UN 2056


**Tetrahydrofuran 99.5% Analytical Grade**

Assay >99.9%  
 Non volatile residue < 0.001%  
 Water < 0.1%  
 Free acid < 0.001%  
 Al < 0.00005%  
 B < 0.00002%  
 Ba < 0.00001%  
 Ca < 0.00005%  
 Cd < 0.00005%  
 Co < 0.00002%  
 Cr < 0.00002%  
 Cu < 0.00002%  
 Fe < 0.00001%  
 Mg < 0.00001%  
 Mn < 0.00002%  
 Ni < 0.00002%  
 Pb < 0.00001%  
 Sn < 0.00001%  
 Zn < 0.00001%  
 H<sub>2</sub>O<sub>2</sub> < 0.005%  
 Stabilized with up to 25 ppm BHT

Reference	Packaging	Size
TETR-00A-1K0	glass bottle	1 L

**Tetrahydrofuran 99.5% GLR**

Assay ≥ 99.5%  
 Appearance Colourless transparent liquid  
 Colour (HAZEN) ≤ 10  
 Water ≤ 0,05 %  
 Density (20°C) 0,886 – 0,889 g/ml  
 Peroxides not detectable  
 Stabilizer approx. 250 ppm BHT

Reference	Packaging	Size
TETR-G0P-1K0	glass bottle	1 L
TETR-M0P-5K0	metal can	5 L
TETR-M0P-25K	metal can	25 L

**Tetrahydrofuran for synthesis**

Assay >99.5%  
 Density (20 °C) 0.886-0.888 g/ml  
 Refractive index 1.407-1.409  
 Water < 0.1%

Reference	Packaging	Size
TETR-00T-5K0	aluminium container	5 L

**Thionine (acetate), C.I. 52000**

7-amino-3H-phenothiazin-3-iminium acetate

C<sub>14</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>S MW : 287,33 \* CAS : 78338-22-4


**Thionine (acetate), C.I. 52000 for microscopy**

Assay >85%  
 Absorption (in water) max. 598-660 nm

Reference	Packaging	Size
THIO-00D-005	glass bottle	5 g

**Thymol blue**

Thymolsulfonphthalein, TB

C<sub>27</sub>H<sub>30</sub>O<sub>3</sub>S MW : 466,6 \* CAS : 76-61-9 \* EC : 200-973-3

**Thymol blue ACS**

Acidic range pH 1.2-2.8 red to yellow  
 Alkaline range pH 8.0-9.6 yellow to blue

Reference	Packaging	Size
THBL-00D-005	glass bottle	5 g
THBL-00D-025	plastic bottle	25 g

**Thymol blue, solution 0.04%**

C<sub>27</sub>H<sub>30</sub>O<sub>3</sub>S MW : 466,6 \* CAS : 76-61-9 \* EC : 200-973-3

UN 1170 \* ADR : 3 F1 III UN 1170 \* IMDG : 3 III UN 1170 \* IATA : 3 III UN 1170


**Thymol blue, solution 0.04%**

pH 1.2-2.8 violet red to brownish yellow  
 pH 7.8-9.5 greenish yellow to blue

Reference	Packaging	Size
THBL-SOD-100	plastic bottle	100 ml

### Tin (II) chloride dihydrate

$\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$  MW : 225,63 \* CAS : 10025-69-1 \* EC : 231-868-0

UN 3260 \* ADR : 8 II UN 3260 \* IMDG : 8 II UN 3260 \* IATA : 8 II UN 3260



#### Tin (II) chloride dihydrate Analytical Grade ACS

Assay >98%  
Sulphate ( $\text{SO}_4$ ) < 0.002%  
Lead (Pb) < 0.005%  
Copper (Cu) < 0.001%  
Iron (Fe) < 0.002%  
Arsenic (As) < 0.0001%  
Ammonium ( $\text{NH}_4$ ) < 0.002%  
Substances not precipitated by hydrogen sulphide (as  $\text{SO}_4$ ) < 0.05%

Reference	Packaging	Size
TICH-02A-100	plastic bottle	100 g

### Tin, granulated

Sn MW : 118,71 \* CAS : 7440-31-5 \* EC : 231-141-8

#### Tin, granulated Analytical Grade

Assay >99%  
Antimony (Sb) < 0.02%  
Bismuth (Bi) < 0.004%  
Lead (Pb) < 0.005%  
Iron (Fe) < 0.005%  
Copper (Cu) < 0.001%  
Zinc (Zn) < 0.002%

Reference	Packaging	Size
TIMT-G0A-250	plastic bottle	250 g

### Toluene

$\text{C}_6\text{H}_5\text{CH}_3$  MW : 92,14 \* CAS : 108-88-3 \* EC : 203-625-9  
\* EC INDEX : 601-021-00-3

UN 1294 \* ADR : 3 F1 II UN 1294 \* IMDG : 3 II UN 1294 \* IATA : 3 II UN 1294



#### Toluene Analytical Grade ACS, ISO, Ph. Eur.

Assay > 99.5%  
Residue non volatile <0.001%  
 $\text{H}_2\text{O}$  <0.02%  
Free Acid <0.001%  
Free Alkalinity <0.001%  
Sulfur <0.003%  
Thiophene <0.0001%  
Al <0.00005%  
B <0.000001%  
Ba <0.00001%  
Ca <0.00005%  
Cd <0.000005%  
Co <0.000002%  
Cr <0.000002%  
Cu <0.000002%  
Fe <0.00001%  
Mg <0.00001%  
Mn <0.000002%  
Ni <0.000002%  
Pb <0.00001%  
Sn <0.00001%  
Zn <0.00001%

Reference	Packaging	Size
TOLN-00A-1K0	glass bottle GL45	1 L
TOLN-00A-2K5	glass bottle GL45	2,5 L

#### Toluene GLR

Assay >99.8%  
Appearance Clear liquid  
Color (Pt-Co) <20  
Acidity <0.001 %  
Non aromatic hydrocarbons <0.2%  
Benzene <200 ppm  
Sulfur compounds ( $\text{SH}_2, \text{SO}_2$ ) Not detectable  
Density (15 °C) 0.869-0.873 g/ml  
Boiling range (110.6 ± 0.1 °C) < 1 °C  
Acid Wash Test <1

Reference	Packaging	Size
TOLN-G0P-1K0	glass bottle	1 L
TOLN-M0P-5K0	plastic bottle	5 L
TOLN-P0P-5K0	metal can	5 L
TOLN-M0P-25K	metal can	25 L

### Toluidine blue, C.I. 52040

$\text{C}_{15}\text{H}_{10}\text{ClN}_3\text{S}$  MW : 305,82 \* CAS : 92-31-9 \* EC : 202-146-2

#### Toluidine blue, C.I. 52040 for microscopy

Assay >50%  
Absorption max. (in water) 620 - 638 nm  
Loss on drying (110 °C) < 8%

Reference	Packaging	Size
TLBL-00D-005	glass bottle	5 g
TLBL-00D-025	plastic bottle	25 g

### Trichloroacetic acid

$\text{CCl}_3\text{COOH}$  MW : 163,39 \* CAS : 76-03-9 \* EC : 200-927-2  
\* EC INDEX : 607-004-00-7

UN 1839 \* ADR : 8 (9) C4 II UN 1839 \* IMDG : 8 (9) II UN 1839 \* IATA : 8 (9) II UN 1839



#### Trichloroacetic acid 99% Analytical Grade ACS

Assay >99.0%  
Freezing point not below 56 °C  
Insoluble matter < 0.003%  
Non volatile matter < 0.01%  
Chloride (Cl) < 0.001%  
Nitrogen compounds (N) < 0.001%  
Phosphate ( $\text{PO}_4$ ) < 0.001%  
Sulphate ( $\text{SO}_4$ ) < 0.01%  
Copper (Cu) < 0.0002%  
Iron (Fe) < 0.0003%  
Lead (Pb) < 0.0002%  
Substances reducing  $\text{KMnO}_4$  (O) < 0.0002%

Reference	Packaging	Size
TRCH-00A-500	glass bottle	500 g

### Trichloroethylene

Trichloroethene, 1,1,2-Trichloroethene, Triclene

$\text{Cl}_2\text{CClCH}$  MW : 131,39 \* CAS : 79-01-6 \* EC : 201-167-4  
\* EC INDEX : 602-027-00-9

UN 1710 \* ADR : 6.1 T1 III UN 1710 \* IMDG : 6.1 III UN 1710 \* IATA : 6.1 III UN 1710



#### Trichloroethylene 99.0% GLR

Assay ≥ 99.0%  
Appearance Colourless transparent liquid  
Colour (HAZEN) ≤15  
Water ≤ 150 ppm  
Acidity (NaOH) ≤ 0.1 ppm  
Alkalinity (NaOH) ≤ 15 ppm  
Density (20°C) 1.453 - 1.459 g/ml  
pH of aqueous extract 8 - 11  
Non volatile residue ≤ 50 ppm

Reference	Packaging	Size
TCET-G0P-1K0	glass bottle	1 L
TCET-M0P-5K0	metal can	5 L
TCET-P0P-10K	plastic bottle	10 L
TCET-M0P-25K	metal can	25 L

### Triethylamine

$(\text{C}_2\text{H}_5)_3\text{N}$  MW : 101,19 \* CAS : 121-44-8 \* EC : 204-469-4  
\* EC INDEX : 612-004-00-5

UN 1296 \* ADR : 3 (8) FC II UN 1296 \* IMDG : 3 (8) II UN 1296 \* IATA : 3(8) II UN 1296



**Triethylamine 99.5% Analytical Grade**

Assay >99.5%  
 Density (20 °C) 0.727 g/ml  
 Colour < 10 Hazen units  
 Water < 0.1%  
 Non-volatile matter < 0.01%  
 Aluminium (Al) < 0.000005%  
 Sodium (Na) < 0.00005%  
 Strontium (Sr) < 0.000002%  
 Barium (Ba) < 0.000002%  
 Cadmium (Cd) < 0.000002%  
 Calcium (Ca) < 0.00005%  
 Chromium (Cr) < 0.000002%  
 Cobalt (Co) < 0.000002%  
 Potassium (K) < 0.000005%  
 Zinc (Zn) < 0.00001%  
 Copper (Cu) < 0.000002%  
 Iron (Fe) < 0.00002%  
 Lead (Pb) < 0.000002%  
 Magnesium (Mg) < 0.000002%  
 Manganese (Mn) < 0.000002%  
 Nickel (Ni) < 0.000002%  
 U.V. Absorbance: passes test

Reference	Packaging	Size
TRIE-00A-1K0	glass bottle GL45	1 L

**L-Tyrosine 99%**

$C_9H_9NO_3$  MW : 181,19 \* CAS : 60-18-4 \* EC : 200-460-4

**L-Tyrosine 99% for biochemistry**

Assay >99.0%(HClO4 titration)  
 Heavy metals (as Pb) < 0.001%  
 Ammonium (NH4) < 0.01%  
 Foreign amino acids < 0.3%  
 Other ninhydrin-positive substances (as glycine) < 0.1%

Reference	Packaging	Size
TYRO-L0B-100	plastic bottle	100 g

**Urea**

Carbamide, Carbonyldiamide

$CH_2N_2O$  MW : 60,06 \* CAS : 57-13-6 \* EC : 200-315-5

**Urea Analytical Grade ACS, BP, USP**

Assay >99.5%  
 Melting point 132-133°C  
 Insoluble matter < 0.003%  
 Acidity < 0.05 ml N%  
 Alkalinity < 0.05 ml N%  
 Sulphated ash < 0.005%  
 Chloride (Cl) < 0.0005%  
 Sulphate (SO4) < 0.001%  
 Copper (Cu) < 0.0001%  
 Iron (Fe) < 0.0001%  
 Lead (Pb) < 0.0002%  
 Biuret (C2H5N3O2) < 0.05%

Reference	Packaging	Size
UREA-00A-500	plastic bottle	500 g

**Vanillin**

$C_8H_8O_3$  MW : 152,15 \* CAS : 121-33-5 \* EC : 204-465-2


**Vanillin 99.9% Analytical Grade**

Assay >99,9%  
 Melting point 81.0 - 83.0 °C  
 Alcohol insoluble matter < 0.01%  
 Sulphated ash < 0.01%

Reference	Packaging	Size
VANI-00A-100	plastic bottle	100 g

**Water**

$H_2O$  MW : 18,02 \* CAS : 7732-18-5 \* EC : 231-791-2

**Water HPLC grade**

H2O - LF < 1 uS - 0.4 µm filtrated  
 Non volatile residue<0.0005%  
 Conductivity <1µS/cm  
 T200nm > 97%  
 T210nm > 98%  
 T254nm > 99%  
 T300nm > 99%

Reference	Packaging	Size
WATR-00H-2K5	glass bottle GL45	2,5 L

**Water ultrapure Analytical Grade**

H2O - LF < 1 uS - 0.4 µm, UV filtrated  
 Non volatile residue < 1 ppm  
 Cl< 0.05 ppm  
 F< 0.05 ppm  
 NO3< 0.01 ppm  
 PO4< 0.01 ppm  
 SiO2<0.01 ppm  
 SO4<0.1 ppm  
 Ag<0.0004 ppm  
 Al<0.002 ppm  
 As<0.002 ppm  
 Au<0.001 ppm  
 B<0.005 ppm  
 Ba<0.001 ppm  
 Be<0.002 ppm  
 Bi<0.001 ppm  
 Ca<0.005 ppm  
 Cd<0.001 ppm  
 Co<0.001 ppm  
 Cr<0.0004 ppm  
 Cu<0.0004 ppm  
 Fe<0.001 ppm  
 K<0.005 ppm  
 Li<0.002 ppm  
 Mg<0.005 ppm  
 Mn<0.0004 ppm  
 Mo<0.002 ppm  
 Na<0.01 ppm  
 Ni<0.0004 ppm  
 Pb<0.001 ppm  
 Pd<0.008 ppm  
 Pt<0.001 ppm  
 Sb<0.001 ppm  
 Se<0.0001 ppm  
 Sn<0.001 ppm  
 Sr<0.0004 ppm  
 Ti<0.001 ppm  
 Tl<0.00005 ppm  
 V<0.001 ppm  
 Zn<0.004 ppm  
 Zr<0.001 ppm

Reference	Packaging	Size
WATR-00A-10K	plastic bottle	10 L

**Water Analytical Grade Ph.Eur.**

Appearance: clear and colourless liquid  
 Total organic carbon: ≤0.5 mg/L  
 Conductivity (20 °C): ≤ 4.3 µS/cm  
 Nitrates: ≤ 0.2 ppm  
 Heavy metals : ≤ 0.1 ppm  
 Acidity or alkalinity: Passes test  
 Oxidisable substances: Passes test  
 Chlorides: Passes test  
 Sulfates: Passes test  
 Ammonium: ≤ 0.2 ppm  
 Calcium and magnesium: Passes test  
 Residue on evaporation: ≤ 0.001 %  
 Microbial contamination (TAMC): ≤ 100 CFU/ml  
 NOT INTENDED FOR USE IN HEMODIALYSIS OR INJECTABLES

Reference	Packaging	Size
WATR-00P-5K0	Bag in Box PET/Al	5 L
WATR-00P-20K	Bag in Box PET/Al	20 L

**Xylene (isomers )**

Dimethylbenzene, Xilol

$C_8H_{10}$  MW : 106,17 \* CAS : 1330-20-7 \* EC : 215-535-7  
 \* EC INDEX : 601-022-00-9

UN 1307 \* ADR : 3 F1 III UN 1307 \* IMDG : 3 III UN 1307 \* IATA : 3 III UN 1307


**Xylene (isomers ) Analytical Grade ACS, ISO, Ph.Eur.**

Assay >99.0%  
 Non volatile residue<0.001%  
 H2O<0.01%  
 Free Acid<0.0005%  
 Free Alkalinity <0.0005%  
 Benzene<0.1%  
 Sulfur <0.003%  
 Thiophene<0.0001%  
 Toluene<0.1%  
 Al<0.00005%  
 B<0.000002%  
 Ba<0.00001%  
 Ca<0.00005%  
 Cd<0.000002%  
 Co<0.000002%  
 Cr<0.000002%  
 Cu<0.000002%  
 Fe<0.00001%  
 Mg<0.00001%  
 Mn<0.000002%  
 Ni<0.000002%  
 Pb<0.00001%  
 Sn<0.00001%  
 Zn<0.00001%

Reference	Packaging	Size
XYLN-G0A-1K0	glass bottle GL45	1 L
XYLN-G0A-2K5	glass bottle GL45	2,5 L
XYLN-X0A-5K0	metal can	5 L

## Xylene (isomers ) GLR

Assay >98.0%  
Appearance: Clear liquid without suspended matter  
Benzene ≤ 0.01%  
Color (Pt-Co) ≤ 20  
Sulfur compounds Exempt

Density (15 °C) 0.865 to 0.875 g/ml  
Ethylbenzene ≤ 25%  
Distillation range 137-140°C  
Non-aromatic hydrocarbons ≤ 1%

Reference	Packaging	Size
XYLN-G0P-1K0	glass bottle	1 L
XYLN-M0P-5K0	metal can	5 L
XYLN-POP-5K0	plastic bottle	5 L
XYLN-M0P-25K	metal can	25 L

## Zinc chloride

ZnCl<sub>2</sub> MW : 136,3 \* CAS : 7646-85-7 \* EC : 231-592-0  
\* EC INDEX : 030-003-00-2

UN 2331 \* ADR : 8 C2 III UN 2331 \* IMDG : 8 III UN 2331 \* IATA : 8 III UN 2331



### Zinc chloride Analytical Grade ACS

Assay >98%  
Assay of oxide chloride (acidimetric, as ZnO) < 1.2%  
Sulphate (SO<sub>4</sub>) < 0.002%  
Total nitrogen (N) < 0.001%  
Lead (Pb) < 0.001%  
Copper (Cu) < 0.001%

Cadmium (Cd) < 0.0005%  
Iron (Fe) < 0.0005%  
Magnesium (Mg) < 0.001%  
Calcium (Ca) < 0.001%  
Sodium (Na) < 0.001%  
Potassium (K) < 0.001%

Reference	Packaging	Size
ZNCH-00A-250	plastic bottle	250 g

### Zinc chloride Extra Pure

Assay >97% (ex total Zn)  
Zinc Oxide (ZnO) < 4.0%  
Iron (Fe) < 0.005%  
Lead (Pb) < 0.005%

Reference	Packaging	Size
ZNCH-00T-500	plastic bottle	500 g

## Zinc nitrate hexahydrate

Zn(NO<sub>3</sub>)<sub>2</sub>·6H<sub>2</sub>O MW : 297,47 \* CAS : 10196-18-6 \* EC : 231-943-8

UN 1514 \* ADR : 5.1 O2 II UN 1514 \* IMDG : 5.1 II UN 1514 \* IATA : 5.1 II UN 1514



### Zinc nitrate hexahydrate Analytical Grade ACS

Assay >98%  
Water insoluble matter < 0.005%  
Chloride (Cl) < 0.001%  
Sulphate (SO<sub>4</sub>) < 0.005%  
Cadmium (Cd) < 0.0005%  
Calcium (Ca) < 0.001%  
Copper (Cu) < 0.0005%

Iron (Fe) < 0.0005%  
Lead (Pb) < 0.001%  
Magnesium (Mg) < 0.001%  
Nickel (Ni) < 0.0005%  
Potassium (K) < 0.001%  
Sodium (Na) < 0.001%

Reference	Packaging	Size
ZNNA-06A-500	plastic bottle	500 g

### Zinc nitrate hexahydrate Extra Pure

Assay 96.0-103.0%(ex Zn)  
pH of 10% solution 3.0 - 6.0  
Chloride (Cl) < 0.005%  
Sulphate (SO<sub>4</sub>) < 0.01%  
Iron (Fe) < 0.005%

Reference	Packaging	Size
ZNNA-06T-500	plastic bottle	500 g

## Zinc oxide

ZnO MW : 81,37 \* CAS : 1314-13-2 \* EC : 215-222-5  
\* EC INDEX : 030-013-00-7

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077



### Zinc oxide Analytical Grade

Assay >99%  
Substances insoluble in diluted sulphuric acid < 0.01%  
Free alkali: passes test  
Chloride (Cl) < 0.001%  
Sulphate (SO<sub>4</sub>) < 0.01%  
Total nitrogen (N) < 0.0005%  
Lead (Pb) < 0.002%  
Copper (Cu) < 0.0005%

Iron (Fe) < 0.0005%  
Manganese (Mn) < 0.0005%  
Cadmium (Cd) < 0.0005%  
Arsenic (As) < 0.0001%  
Calcium (Ca) < 0.001%  
Sodium (Na) < 0.001%  
Substances reducing KMnO<sub>4</sub> (as O) < 0.0008%

Reference	Packaging	Size
ZNOX-00A-1K0	plastic bottle	1 Kg

## Zinc sulfate heptahydrate

White vitriol

ZnSO<sub>4</sub>·7 H<sub>2</sub>O MW : 287,54 \* CAS : 7446-20-0 \* EC : 231-793-3  
\* EC INDEX : 030-006-00-9

UN 3077 \* ADR : 9 M7 III UN 3077 \* IMDG : 9 III UN 3077 \* IATA : 9 III UN 3077



### Zinc sulfate heptahydrate Analytical Grade ACS, Ph. Eur., USP

Assay >99.5%  
Insoluble matter < 0.01%  
Reaction pH 4.4-6.0  
Chloride (Cl) < 0.0005%  
Total nitrogen (N) < 0.0005%  
Arsenic (As) < 0.0001%  
Cadmium (Cd) < 0.0005%

Calcium (Ca) < 0.001%  
Copper (Cu) < 0.0005%  
Iron (Fe) < 0.0005%  
Lead (Pb) < 0.001%  
Manganese (Mn) < 0.0003%  
Potassium (K) < 0.001%  
Sodium (Na) < 0.001%

Reference	Packaging	Size
ZNSU-07A-500	plastic bottle	500 g

### Zinc sulfate heptahydrate Extra Pure

Assay >99.0%  
Chloride (Cl) > 0.002%

Iron (Fe) < 0.005%  
Lead (Pb) < 0.002%

Reference	Packaging	Size
ZNSU-07T-500	plastic bottle	500 g

## Zinc, powder

Zn MW : 65,38 \* CAS : 7440-66-6 \* EC : 231-175-3  
\* EC INDEX : 030-001-00-1

UN 1436 \* ADR : 4.3 WS III UN 1436 \* IMDG : 4.3 III UN 1436 \* IATA : 4.3 III UN 1436



### Zinc, powder Analytical Grade

Assay >98%  
Lead (Pb) < 0.005%  
Tin (Sn) < 0.001%  
Copper (Cu) < 0.005%

Iron (Fe) < 0.005%  
Cadmium (Cd) < 0.005%  
Arsenic (As) < 0.0001%

Reference	Packaging	Size
ZNMT-P0A-500	plastic bottle	500 g



CAS	References	p.	CAS	References	p.	CAS	References	p.	CAS	References	p.	CAS	References	p.
50-00-0	FORM-00A	164	69-72-7	SAAC-00A	188	111-42-2	DETA-00A	160	1310-73-2	SOHY-POA	192	7487-94-7	HGCH-00A	176
50-00-0	FORM-00T	164	71-23-8	PROL-10A	187	112-80-1	OLAC-00T	179	1310-73-2	SOHY-POT	192	7553-56-2	IODI-ROA	169
50-21-5	LACA-00A	172	71-36-3	BUTL-10A	155	115-39-9	BRPH-B0D	154	1310-73-2	SOHY-01C	192	7553-56-2	IODI-R0P	169
50-81-7	ASAC-LOB	152	74-79-3	ARGI-00B	151	115-40-2	BRCR-P0D	154	1310-73-2	SOHY-1CO	192	7553-56-2	IODI-01V	169
50-81-7	ASAC-L0P	152	75-05-8	ACTN-0GH	147	119-26-6	DINH-00A	161	1313-13-9	MNOX-00T	175	7558-80-7	SODH-00A	191
50-99-7	GLUC-A0A	166	75-05-8	ACTN-0IH	147	121-33-5	VANI-00A	199	1314-13-2	ZNOX-00A	200	7601-90-3	ACPE-60A	181
50-99-7	GLUC-A0T	166	75-09-2	DCHM-M0P	160	121-44-8	TRIE-00A	199	1317-38-0	CUOX-00A	158	7601-90-3	PERC-01V	181
54-21-7	SOCY-00A	194	75-09-2	DCHM-G0P	160	122-39-4	DIPA-00A	161	1317-39-1	CUOX-00T	158	7631-99-4	SONA-00T	193
56-40-6	GLIC-00A	166	75-09-2	DCHM-P0P	160	123-51-3	AMYL-00P	151	1330-20-7	XYLN-X0A	199	7631-99-4	SONA-00A	193
56-81-5	GLIO-00A	166	75-09-2	DCHM-00I	160	123-51-3	AMYL-00A	151	1330-20-7	XYLN-M0P	200	7632-00-0	SONI-00A	193
56-81-5	GLIO-M0P	166	75-09-2	DCHM-00A	160	123-86-4	BUTY-N0T	155	1330-20-7	XYLN-G0P	200	7646-85-7	ZNCH-00A	200
56-81-5	GLIO-G0P	166	75-09-2	DCHM-00T	160	127-09-3	SOAC-A0A	189	1330-20-7	XYLN-P0P	200	7646-85-7	ZNCH-00T	200
56-81-5	GLIO-P0P	166	75-12-7	FORD-00A	164	127-18-4	TTCE-M0P	197	1330-20-7	XYLN-G0A	199	7646-93-7	POHS-00A	184
56-86-0	GLUT-00B	166	75-36-5	ACCH-00T	147	127-18-4	TICE-G0P	197	1332-09-8	PUMI-00P	188	7647-01-0	CHAC-25A	167
57-13-6	UREA-00A	199	75-65-0	BUTL-TOA	155	130-22-3	ALIZ-00D	148	1336-21-6	AMMO-25A	149	7647-01-0	CHAC-01V	168
57-48-7	FRUC-00A	165	76-03-9	TRCH-00A	198	133-32-4	INDO-B0B	169	1336-21-6	AMMO-30A	149	7647-01-0	CHAC-05V	168
57-48-7	FRUC-00T	165	76-59-5	BRTH-B0D	154	135-19-3	NAOL-02A	178	1336-21-6	AMMO-25I	149	7647-01-0	CHAC-1V0	168
57-50-1	SUCR-00A	195	76-60-8	BRCR-G0D	154	141-78-6	ETAC-M0P	163	1390-65-4	CARM-00D	156	7647-01-0	CHAC-2V0	168
60-18-4	TYRO-LOB	199	76-61-9	THBL-00D	197	141-78-6	ETAC-G0P	163	1393-92-6	LITM-00D	173	7647-01-0	CHAC-00A	167
60-29-7	DETE-OAI	160	76-61-9	THBL-S0D	197	141-78-6	ETAC-P0P	163	1400-62-0	ORCE-00D	179	7647-01-0	CHAC-00T	167
60-29-7	DETE-00A	160	77-09-8	PHEN-00D	182	141-78-6	ETAC-00T	163	1401-55-4	TNAC-00T	196	7647-01-0	CHAC-OAI	168
60-29-7	DETE-00T	161	77-92-9	CITA-A0A	157	141-78-6	ETAC-0IA	163	1600-27-7	HGAC-00A	175	7647-01-0	CHAC-0AA	168
61-90-5	LEUC-00B	172	78-92-2	BUTL-20A	155	143-74-8	PHRE-00D	181	1733-12-6	CRES-R0D	159	7647-01-0	CHAC-01C	168
62-76-0	SOOX-00A	194	78-93-3	MEKT-M0P	177	144-55-8	SOHC-00T	191	1762-95-4	AMTH-00A	151	7647-14-5	SOCH-00T	191
63-91-2	PHNY-00B	182	78-93-3	MEKT-G0P	177	144-55-8	SOHC-00A	191	1787-61-7	ERIO-T0D	162	7647-14-5	SOCH-00A	190
64-17-5	ETHA-60A	162	78-93-3	MEKT-P0P	177	147-85-3	PRLN-00B	187	1934-21-0	TART-00D	197	7647-14-5	SOCH-05A	190
64-17-5	ETHA-60P	162	79-01-6	TCET-M0P	198	302-72-7	ALAN-00B	147	1936-15-8	ORAN-G0D	179	7647-15-6	SOBR-00A	190
64-17-5	ETHA-90A	162	79-01-6	TCET-G0P	198	333-20-0	POTH-00A	186	2538-85-4	ERIO-B0D	156	7664-38-2	ORAC-0IA	180
64-17-5	ETHA-90P	162	79-01-6	TCET-P0P	198	471-34-1	MARB-00I	175	3244-88-0	FUCH-A0D	165	7664-38-2	ORAC-00A	180
64-18-6	FORA-A0A	165	79-09-4	PRAC-00T	188	471-34-1	CACB-00A	155	3564-18-9	ERIO-C0D	162	7664-39-3	FLAC-00A	168
64-19-7	ACAC-G0T	146	85-83-6	SUDN-40D	195	493-52-7	MTRC-00D	177	4197-25-5	SUDN-B0D	195	7664-39-3	FLAC-80A	168
64-19-7	ACAC-GIA	146	85-86-9	SUDN-30D	195	497-19-8	SOCA-A0A	190	4430-20-0	CHPH-R0D	157	7664-93-9	SUAC-90A	196
64-19-7	ACAC-G0A	146	87-51-4	INDO-A0B	169	497-19-8	SOCA-01C	190	5421-66-9	BISM-R0D	153	7664-93-9	SUAC-01V	196
65-85-0	BNZA-00A	153	87-69-4	TRAC-L0A	197	506-87-6	AMCA-00A	150	5949-29-1	CITA-01P	157	7664-93-9	SUAC-02V	196
67-56-1	MTOL-M0P	177	90-15-3	NAOL-01A	178	518-47-8	FLUO-00D	164	5949-29-1	CITA-01A	157	7664-93-9	SUAC-1V0	196
67-56-1	MTOL-G0P	177	91-20-3	NANE-00A	178	532-32-1	SOBE-00A	190	5965-83-3	SFAC-00A	195	7664-93-9	SUAC-2V0	196
67-56-1	MTOL-P0P	177	92-31-9	TLBL-00D	198	540-84-1	ISCT-00A	171	6009-70-7	AMOX-01A	151	7664-93-9	SUAC-00A	196
67-56-1	MTOL-0IA	176	100-01-6	NIAN-POA	179	540-84-1	ISCT-00H	171	6106-24-7	SOTA-02A	194	7664-93-9	SUAC-00T	196
67-56-1	MTOL-00T	177	100-51-6	BNZY-00A	153	547-58-0	MTOR-00D	177	6131-90-4	SOAC-03A	190	7664-93-9	SUAC-01C	196
67-56-1	MTOL-0GH	176	100-52-7	BNZL-00A	153	548-62-9	GENT-V0D	159	6132-04-3	SOCI-02A	191	7664-93-9	SUAC-1C0	196
67-56-1	MTOL-00A	177	107-21-1	ETGL-M0P	163	552-89-6	NIBZ-00A	179	6153-56-6	OXAC-02A	180	7664-93-9	SUAC-25A	195
67-63-0	PROL-M0P	187	107-21-1	ETGL-P0P	163	553-24-2	NEUR-00D	178	6153-56-6	OXAC-01C	180	7664-93-9	SUAC-6AI	196
67-63-0	PROL-G0P	187	107-21-1	ETGL-00A	163	554-13-2	LICA-00A	172	6153-56-6	OXAC-01V	180	7681-11-0	POIO-00A	185
67-63-0	PROL-0IA	187	107-21-1	ETGL-G0P	163	573-58-0	CONG-R0D	158	6211-24-1	DIBA-00A	152	7681-11-0	POIO-00P	185
67-63-0	PROL-P0P	187	108-24-7	ACAN-00A	146	584-08-7	POCA-00A	182	6226-79-5	PONC-00D	182	7681-82-5	SOIO-00A	193
67-63-0	PROL-00T	187	108-46-3	RESO-00A	188	617-48-1	MALI-00T	174	6381-59-5	POST-00A	186	7697-37-2	NIAC-5IA	178
67-63-0	PROL-00A	187	108-88-3	TOLN-P0P	198	631-61-8	AMAC-00A	149	6381-92-6	EDTA-00A	163	7697-37-2	NIAC-1V0	179
67-64-1	ACET-M0P	147	108-88-3	TOLN-M0P	198	632-99-5	FUCH-B0D	165	6381-92-6	EDTA-01C	164	7697-37-2	NIAC-00A	179
67-64-1	ACET-G0P	147	108-88-3	TOLN-G0P	198	633-03-4	BRIL-00D	154	6381-92-6	EDTA-01V	164	7697-37-2	NIAC-00T	179
67-64-1	ACET-P0P	147	108-88-3	TOLN-00A	198	657-27-2	LYHC-00T	173	6487-48-5	POOX-01A	185	7704-34-9	SUPW-00A	195
67-64-1	ACET-00T	147	108-93-0	CYHL-00A	159	860-22-0	INCA-00D	169	7429-90-5	ALPW-00T	149	7705-08-0	IRCH-A0A	169
67-64-1	ACET-0IA	146	108-94-1	CYHN-00A	160	877-24-7	POPH-00A	184	7439-89-6	IRON-00I	170	7705-08-0	IRCH-A0T	169
67-64-1	ACET-00A	147	108-95-2	PHOL-00A	181	1303-96-4	BOX-00A	194	7439-95-4	MGPW-R0T	173	7722-64-7	KMNO-00A	186
67-66-3	CHLF-M0P	157	108-95-2	PHOL-00T	181	1305-62-0	CAHY-90A	156	7439-95-4	MGPW-P0T	173	7722-64-7	KMNO-01V	186
67-66-3	CHLF-G0P	157	109-66-0	PENT-00A	180	1309-37-1	IROX-00T	170	7440-31-5	TIMT-G0A	198	7722-84-1	HYPE-30A	168
67-66-3	CHLF-P0P	157	109-99-9	TETR-M0P	197	1310-58-3	POHY-P0A	184	7440-44-0	CHAR-PWA	156	7722-84-1	HYPE-30P	169
67-66-3	CHLF-S0A	157	109-99-9	TETR-00A	197	1310-58-3	POHY-P0T	185	7440-66-6	ZNMT-P0A	200	7727-21-1	POPS-00T	186
67-66-3	CHLF-S0T	157	109-99-9	TETR-G0P	197	1310-66-3	LIHY-01A	173	7446-20-0	ZNSU-07A	200	7727-43-7	BASU-00A	152
67-68-5	DMSO-00A	161	109-99-9	TETR-00T	197	1310-73-2	SOHY-32A	192	7446-20-0	ZNSU-07T	200	7727-43-7	BASU-00T	153
68-12-2	DMFO-M0P	161	110-54-3	HXAN-90A	167	1310-73-2	SOHY-40A	192	7446-70-0	ALCH-00T	148	7727-54-0	AMPS-00A	151
68-12-2	DMFO-G0P	161	110-54-3	HXAN-50A	167	1310-73-2	SOHY-01V	192	7447-40-7	POCL-00A	183	7732-18-5	WATR-00A	199
68-12-2	DMFO-P0P	161	110-82-7	CYHX-00A	159	1310-73-2	SOHY-05V	192	7447-40-7	POCL-00P	183	7732-18-5	WATR-00P	199
68-12-2	DMFO-00T	161	110-82-7	CYHX-00H	159	1310-73-2	SOHY-1V0	192	7447-41-8	LICH-00A	172	7732-18-5	WATR-00H	199
69-65-8	MANL-00A	175	110-86-1	PYRI-00A	188	1310-73-2	SOHY-5V0	192	7487-88-9	MGSU-A0P	174	7757-79-1	PONA-00A	185

CAS	References	p.	CAS	References	p.	CAS	References	p.	CAS	References	p.
7757-82-6	SOSU-00T	194	7789-00-6	POCH-10D	183	10099-74-8	LENA-00T	172	15244-10-7	IRSU-01T	170
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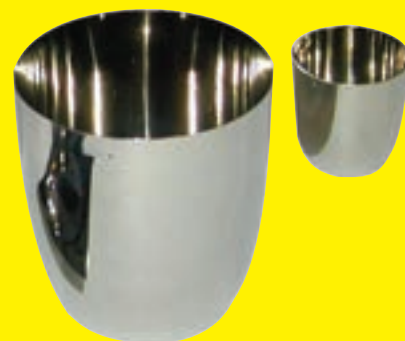
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