



ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

SGS Bangladesh Limited

Noor Tower (2nd, 6th – 10th & 13th floor),
110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh.

This is to certify that this

Testing Laboratory

is accredited in accordance with the international standard

ISO/IEC 17025:2017

in respect of the associated scope, subject to the terms and
conditions governing the relevant conformity assessment
body (CAB) accreditation.

Certificate Number : 01.003.12
Accreditation Date : 04 November 2012
Date of Issuance : 28 January 2021
Date of Expiration : 03 November 2023



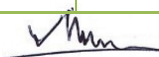
Md. Monwarul Islam
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:		SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh		
Accreditation Standard:		ISO/IEC 17025:2017	Accreditation Date:	04 November 2012
Certificate Number:		01.003.12	Issued on:	28 January 2021
Last Amended on:		29.03.2021	Valid until:	03 November 2023
Amendment no:		01		
S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
Field: MECHANICAL				
1	Textiles, garments & accessories	Breaking strength and elongation (Grab test)	ASTM D5034-09(2017) ISO 13934-2:2014 BS EN ISO 13934-2:2014 CAN/CGSB 4.2 No. 9.2-M90 (R2013), AS 2001.2.3.2- 2001 JIS L1096:2010	10 to 5000 N
2	Textiles, garments & accessories	Breaking force and elongation (Strip method)	ASTM D5035-11(2019), ISO 13934-1:2013, BS EN ISO 13934-1:2013, CAN/CGSB 4.2 NO. 9.1- M90 (R2013), BS 2576:1986, AS 2001.2.3.1-2001(2016), JIS L1096:2010, EN 29073-3: 1992	10 to 5000 N
3	Textiles, garments & accessories	Tensile properties of yarns single-strand method	ASTM D2256-10(2015), ISO 2062:2009, BS EN ISO 2062:2009, DIN EN ISO 2062:2009	0.5 to 500 N
4	Textiles, garments & accessories	Bursting strength –Diaphragm –Pneumatic	ASTM D3786/D3786M- 2018, ISO 13938-1:2019, BS EN ISO 13938-1:2019, ISO 13938-2:2019, BS EN ISO 13938-2:2019, CAN/CGSB 4.2 No.11.1- 94(R2013), JIS L1096:2010	5 to 200 psi
5	Textiles, garments & accessories	Bursting strength Ball bursting	ASTM D3787-16(2020), CAN/CGSB 4.2 No.11.2- M89 (R2013), GB/T 19976- 2005	5 to 200 psi
6	Textiles, garments & accessories	Seam properties Seam slippage	ISO 13936-1:2004 BS EN ISO 13936-1:2004, ISO 13936-2:2004, BS EN ISO 13936-2:2004, AS 2001.2.22-06(R2016), BS 3320:1988,	0 to 100 mm
7	Textiles,	Seam properties	ISO 13935-1:2014,	




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	garments & accessories	Seam strength	BS EN ISO 13935-1:2014, ISO 13935-2:2014 BS EN ISO 13935-2:2014, ASTM D1683-17(2018), AS 2001.2.20-04(R2016), BS 3320:1988, ASTM D751-2019	10 to 500 N
8	Textiles, garments & accessories	Tearing strength of fabrics (Elmendorf)	ASTM D1424-09(2019), ISO 13937-1:2000 (Cor1:04), DIN EN ISO 13937-1:2000, BS EN ISO 13937-1:2000, AS 2001.2.8-2001(R2016), BS EN ISO 4674-2:1998, DIN EN ISO 4674-2:1998, CAN/CGSB-4.2 No.12.3- 2005, JIS L1096:2010	1 to 300 N
9	Textiles, garments & accessories	Tearing strength of fabrics (Single rip)	ASTM D2261-13(2017), ISO 13937-2:2000, BS EN ISO 13937-2:2000, ISO 13937-3:2000, BS EN ISO 13937-3:2000, ISO 4674-1:2016, BS 4303:1968, JIS L1096:2010, ASTM D5587-15(2019)	1 to 500 N
10	Textiles, garments & accessories	Tearing strength of fabrics (Double tear)	ISO 13937-4:2000	1 to 500 N
11	Textiles, garments & accessories	Abrasion resistance (Martindale)	ISO 12947-1:98/Cor.1 2002, ISO 12947-2:2016, ISO 12947-3:98/Cor.1 2002, ISO 12947-4:1998(2017), BS EN ISO 12947-1:1998, BS EN ISO 12947-2:2016, BS EN ISO 12947-3:1998, BS EN ISO 12947-4:1998, DIN EN ISO 12947-1:2007, DIN EN ISO 12947-2:2007, DIN EN ISO 12947-3:2007, DIN EN ISO 12947-4:2007,	1 to 5 Grade 0.1 to 50%


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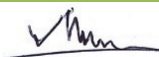
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			ASTM D4966-12(2016), EN 530:2010, BS EN 530:2010, EN 13770:2002, BS EN 13770:2002, BS 5690:1991	
12	Textiles, garments & accessories	Abrasion resistance (Accelerator)	AATCC TM 93-2019, ASTM D3884-09(2017), ASTM D3885-07(2019)	1 to 5 Grade 0.1 to 50%
13	Textiles, garments & accessories	Pilling resistance (Pilling box)	ASTM D3514-16(2020), DIN EN ISO 12945-1:2001, BS EN ISO 12945-1:2001, CAN/CGSB 4.2 No. 51.1-95, ISO 12945-1:2000, BS 5811:1986	1 to 5 Grade
14	Textiles, garments & accessories	Pilling resistance (Martindale)	ASTM D4970-2016, DIN EN ISO 12945-2:2000, BS EN ISO 12945-2:2000, ISO 12945-2:2000, GB/T 4802.1- 2008	1 to 5 Grade
15	Textiles, garments & accessories	Pilling resistance (Random tumbler)	ASTM D3512-2016, CAN/CGSB 4.2 No. 51.2- M87, ISO 12945-3:2014, JIS L1096:2010 Method A	1 to 5 Grade
16	Textiles, garments & accessories	Yarn number based on short length specimens	ASTM D1059-2017, ASTM D1907-12(2018), ISO 7211-5:2020, ISO 2060:94(2019), BS EN ISO 2060:1995, BS 5441:1988+A1:2019, BS 2865:1984,	1 to 200 Ne
17	Textiles, garments & accessories	Mass per unit area of fabric	ASTM D3776/D3776M- 2020, DIN EN 12127:1997, BS EN 12127:1998, ISO 3801:1977, AS 2001.2.13:2016, CAN/CGSB 4.2 No.5.1- M90(R2013), BS 2471:2005	1 to 1000 g/m ²
18	Textiles, garments & accessories	Threads per unit length	ASTM D3775-2017, ASTM D8007-15(2019), ASTM D3887-96(2008), DIN EN 1049-2:1994-02,	1 to 500 Ends/inch


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			BS EN 1049-2:1994-02, AS 2001.2.5-1991, ISO 7211-2:1984, CAN/CGSB 4.2 No. 6-2013, AS 2001.2.6:2001 (R2016), CAN/CGSB 4.2 No. 7-M88 (R2001)	
19	Textiles, garments & accessories	Stitch density	CAN/CGSB 4.2 No.7-M88 (2001), BS 5441:88+A1:2019, AS 2001.2.6:01(2016), NF EN 14971:2006, BS EN 14970:2006	1 to 500 Wales/inch
20	Textiles, garments & accessories	Yarn Crimp/ yarn take-up	ASTM D3883-04(2020), ISO 7211-3:1984 BS ISO 7211-3:1984 BS 2863:1984	1 to 90%
21	Textiles, garments & accessories	Fabric thickness	ASTM D1777-96(2019), DIN EN ISO 5084:1996, ISO 5084:1996	0.01 to 11.00 mm
22	Textiles, garments & accessories	Cover factor	In house method: (BD-TX-MC-SOP-025-01)	1 to 100
23	Zipper	Zipper strength	ASTM D2061-07(2013), ASTM D2062-03(2014), BS 3084:2006, 16 CFR 1500.53, NFG 91-005:1984, DIN 3419-1:1998-05, AS 2332:2003, EN 16732:2015	1 to 5000 N
24	Button	Button strength	BS 4162:1983	1 to 500 N
25	Textiles, garments & accessories	Impact resistance of plastic sew	ASTM D5171-15(2020) BS 4162:1983	Height 32 to 120 mm
26	Textiles, garments & accessories	Resistance to unsnapping of snap fastness	ASTM D4846-96(2016)	0.1 to 100 lbf
27	Textiles, garments & accessories	Bonding strength	ASTM D2724-2019, ISO 2411:2017	0.5 to 1000 lbf/in
28	Textiles,	Lea strength	ASTM D1578-93(2016)	1 to 1000 lbf


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	garments & accessories			
29	Textiles, garments & accessories	Stretch and recovery/ tension & elongation of elastic fabrics	ASTM D4964-96(2020), ASTM D3107-07(2019), ASTM D2594-2020, BS EN 14704-1:2005, DIN EN 14704-1:2005, BS 4952:1992	1 to 500%
30	Textiles, garments & accessories	Wrinkle/ crease recovery	AATCC TM 66-2017, AATCC TM 128-2017, ISO 2313:1972, BS EN 22313:1992, ISO 9867:2009	1 to 180°
31	Textiles, garments & accessories	Attachment / pull off strength of snap/ button/ rivets	ASTM D6644-01(2013), EN 71-1:2014+A1:2018, BS EN 71-1:2014+A1:2018, ASTM F963-2017 Sec-4.8, Sec-8.5, Sec-8.7, Sec-8.8, Sec-8.9 & Sec-8.10, 16 CFR 1500.51-53, CEN/TR 16792:2014	1 to 1000 N
32	Textiles, garments & accessories	Twist in yarns (Direct counting method)	ASTM D1423-2016, ISO 2061:2015, BS EN ISO 2061:2015, DIN EN ISO 2061:2015, BS 2864:1984	1 to 100 TPI
33	Textiles, garments & accessories	Determination of twist in yarn removed from fabric	ISO 7211-4:1984, BS 2864:1984	1 to 100 TPI
34	Textiles, garments & accessories	Measurement of bow & skewness	ASTM D3882-08(2020), ISO 13015:2013, NF G07-163:1990	0.1 to 50 cm
35	Textiles, garments & accessories	Air permeability	ASTM D737-2018, ISO 9237:1995, BS EN ISO 9237:1995, DIN 53887:1993, EN 14683:2019, Annex C	1 to 2800 mm/s
36	Textiles, garments & accessories	Snagging resistance	ASTM D3939-13(2017), BS 8479:2008	1 to 5 Grade
37	Textiles, garments &	Fibre shedding (for pile fabrics)	In house method: (BD-TX-MC-SOP-017-01)	1 to 5 Grade


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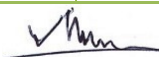
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	accessories			
38	Textiles, garments & fabrics	Solar UV protective properties	EN 13758-1:2002, EN 13758-2:2003, AATCC TM 183:2014, AS/NZS 4399:2017, ASTM D6603-2019, GB/T 18830-2009	UPF 1 to 50000
39	Textiles, garments & fabrics	Light blocking effect of textiles: Spectrophotometric method	AATCC TM 203-2016	0 to 100%
40	Textiles, garments & accessories	Safety of children's clothing	EN 14682: 2014 BS EN 14682:2014	Qualitative
41	Textiles, garments, toys products (textile, metal, glass, plastic, stone, leather accessories) in garments, metal jewellery & other article intended to use for children	Small parts – choking hazard test (Small part cylinder of 31.7 mm inner diameter)	16 CFR 1501, (Small Parts) ASTM F963-2017, Sec-4.6 (Small Parts)	Qualitative
42	Textiles, garments, toys products (textile, metal, glass, plastic, stone, leather accessories) in garments, metal jewellery & other article intended to use for children	Determination of sharp points under a force	16 CFR 1500.48 (Sharp Point) ASTM F963-2017, Sec-4.9 (Sharp Point)	Qualitative
43	Textiles, garments, toys products (textile,	Determination of sharp edges	16 CFR 1500.49 (Sharp edges), ASTM F963-2017, Sec-4.7	Qualitative


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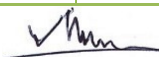
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	metal, glass, plastic, stone, leather accessories) in garments, metal jewellery, other article intended to use for children		(Sharp edges),	
44	Textiles, garments & accessories	National general safety technical code for textile products	GB 18401-2010	N/A
45	Textiles, garments & accessories	Safety technical Code for infants and children textile products	GB 31701-2015	N/A
46	Textiles, garments & accessories	Testing method for sharpness of attached components on textile products	GB 31702-2015	N/A
47	Textiles, garments & accessories	Women's suits and coats	GB/T 2665-2017	N/A
48	Textiles, garments & accessories	Knitted T-shirt	GB/T 22849-2014	N/A
49	Textiles, garments & accessories	Knitted sportswear	FZ/T 73020-2012	N/A
50	Textiles, garments & accessories	Casual wear	FZ/T 81007-2012	N/A
51	Textiles, garments & accessories	Standard safety size for drawstrings on children's upper wear	GB/T 22702-2019	N/A
52	Textiles, garments & accessories	Safety specifications for cords & drawstrings on children's clothing	GB/T 22705-2019	N/A
53	Textiles, garments & accessories	Textile products determination of the remains of broken sewing Needle	GB/T 24121-2009	N/A
54	Textiles,	Textiles determination of the	GB/T 13772.1-2008	


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	garments & accessories	slippage resistance of yearns at a seam in woven fabrics part-1 & part-2	GB/T 13772.2-2018	N/A
55	Textiles, garments & accessories	Flammability of general clothing Textiles	16 CFR Part 1610-2018, ASTM D1230-2017, CAN/CGSB 4.2 No. 27.5-2008, GB/T 14644:2014	1 to 100 sec
56	Textiles, garments & accessories	Burning behavior of nightwear/ children's nightwear	EN 1103:2005, BS EN 1103:2005, EN 14878:2007, BS EN 14878:2007, DIN EN 14878:2007, BS 5722:1991	1 to 3600 sec
57	Textiles, garments & accessories	Burning behavior- Measurement of flame spread properties of vertically oriented specimens	ISO 6941:2003, BS EN ISO 6941:2003, BS 5438:1989	1 to 3600 sec
58	Textiles, garments & accessories	Flammability of children's sleepwear	16 CFR 1615-2014, 16 CFR 1616-2014	1 to 10 inch
59	Textiles, garments & accessories	Determination of surface burning time of fabrics	ISO 10047:1993	1 to 3600 sec
60	Textiles, garments & accessories	Children's night Wear & Limited daywear	AS/NZS 1249:2014	1 to 3600 sec
61	Textiles, garments & accessories	Burning behavior of bedding items	ISO 12952-1:2010	1-6000 sec.
62	Textiles, garments & accessories	Surface flash	BS 4569:1983	N/A
63	Paper & paper board items	Bursting strength of paper and corrugated solid fibre board	TAPPI T 403 om-15, TAPPI T 810 om-17, ISO 2759:2014	1 to 50 kgf/cm ²
64	Paper & paper board items	Grammage of paper and paper board (Mass per unit area)	TAPPI T 410 om-19, ISO 536:2019, ASTM D646-2013	1 to 2000 g/m ²
65	Paper & paper board items	Edgewise crush resistance	ISO 3037:2013, TAPPI T 811 om-17	1 to 200 Kgf
66	Paper & paper	Box compression test	ISO 12048:1994,	1 to 20000 N

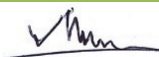


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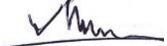
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	board items		TAPPI T 804 om-2012	
67	Paper & paper board items	Determination of water absorptiveness (Cobb method)	ISO 535:2014	1 to 1000 g/m ²
68	Paper & paper board items	Thickness of paper	ISO 3034:2011, ISO 534:2011	0.01 to 19.0 mm
69	Leather & leather products	Determination of tensile strength	ISO 3376:2011, ISO 17236:2016, ISO 17706:2003 BS EN 13522:2002, ASTM D2209-2015, ASTM D2208-2016, TM 43:2000, TM 137:1995, DIN 53328:1979	1 to 5000 N
70	Leather & leather products	Determination of tear strength	ASTM D4704-2017, ASTM D4705-2018, ASTM D2212- 2015, ISO 3377-1: 2011, ISO 3377-2:2016, ISO 17696:2004, TM 162:2017, TM 30:2017, TM 65:1992, EN 13571:2001, DIN 53329 (Method A&B):1982	1 to 5000 N
71	Leather & leather products	Determination of abrasion resistance of soiling material	ISO 4649:2017, ISO 20871: 2018, ISO 17704:2004, ASTM D5963-04(R2010), EN 13520: 2001, BS EN 12770:2000, TM 174:2016, TM 193:2004, DIN 53516:1987	10 to 5000 mg/mm ³
72	Leather & leather products	Determination of bursting strength	ISO 3379:2015, TM 24:1992, TM 166:2016	1 to 800 N
73	Leather & leather products	Determination of thickness of leather	ISO 2589:2016, ASTM D1813:2013	0.01 to 19.00 mm
74	Leather & leather products	Determination of density of leather	ISO 2781:2018, TM 68:2016	0.01 to 10.0 g/ cm ³
75	Leather & leather products	Determination of seam strength	TM 180:2016, ISO 17697:2016, EN 13572:2002 (Method B)	1 to 5000 N
76	Leather & leather products	Resistance of footwear to flexing (whole shoe flexing)	TM 92:2016	


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		test)		N/A
77	Leather & leather products	Flexing resistance of upper material - bally flex meter	TM 55:1999, ISO 17694:2016, EN 13512:2002, ASTM D6182-2015, ISO 5402- 1:2017, ISO 32100:2018	N/A
78	Leather & leather products	Lateral impact test for shoe heels	TM 20:2017, BS 5131 Sec-4.8:1990 BS EN ISO 19953:2004	N/A
79	Leather & leather products	Fatigue test for shoe heels	TM 21:2017, BS EN ISO 19956:2004	N/A
80	Leather & leather products	Rose flex test – resistance to cut growth of flexing	TM 60:1992, BS 5131 Sec- 2.1:1991, GB 20265:2016, ISO 5423:1992	0.1 to 25.0 mm
81	Leather & leather products	Strength of sandal toe posts	TM 118:1992	1 to 5000 N
82	Leather & leather products	Strength of top-piece attachment	TM 108:1992, BS 5131 Sec-5.9:1979, BS EN ISO 19958:2004	1 to 5000 N
83	Leather & leather products	Rapid sole adhesion test for complete footwear	TM 404:1992, BS 5131 Sec-5.1:1990	1 to 100 kgf
84	Leather & leather products	Shoe lace to shoe lace & shoe lace to carrier abrasion test	TM 154:2018, BS EN ISO 22774:2004	1 to 99999 Cycles
85	Leather & leather products	Breaking force and extension at break of shoe laces	TM 94:2018, BS 5131 Sec-3.7:1991	1 to 5000 N
86	Leather & leather products	Strength of eyelet facings and others laced fastening	TM 149:1999, TM 117:1992	1 to 5000 N
87	Leather & leather products	Measurement of the strength of attachment of heels to footwear & backpart rigidity of such footwear	TM 113:1996, ISO 22650:2018, BS 5131 Sec-5.10:1990, ASTM F694-1980, ASTM F2232-2014, BS EN 12785:2000	1 to 5000 N
88	Leather & leather products	Peel strength of footwear sole bond	TM 411:1992, BS EN ISO 17708:2018, BS 5131 Sec-5.4:1978	1 to 500 N/mm
89	Leather & leather products	Tab strength test	TM 165:1992	1 to 5000 N
90	Leather &	Slip resistance of footwear and	TM 144:2011(Max tem -10°),	


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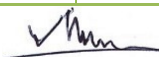
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	leather products	flooring	ASTM F2913-2017, ISO 13287:2012, BS EN ISO 13287:2012	0.1 to 1.0 CoF
91	Leather & leather products	Determination of hardness test	TM 205:2016(2017), ISO 868:2003	1 to 99.9 Shore
Field: CHEMICAL				
1	Textiles, garments & accessories	Appearance of fabric after repeated home laundering	AATCC TM 124-2018, ISO 7768:2009, BS ISO 7768:2009	Grade: SA -1 to SA - 5
2	Textiles, garments & accessories	Smoothness of seams in fabrics after repeated home laundering	AATCC TM 88B-2018, ISO 7770:2009, BS ISO 7770:2009	Grade: SS -1 to SS - 5
3	Textiles, garments & accessories	Retention of creases in fabrics after repeated home laundering	AATCC TM 88C-2018, ISO 7769:2009, BS ISO 7769:2009	Grade: CR -1 to CR - 5
4	Textiles, garments & accessories	Appearance of apparel and other textile products after repeated home laundering	AATCC TM 143-2018, ISO 15487:2018, BS EN ISO 15487:2018	Grade: SA -1 to SA - 5 Grade: SS -1 to SS - 5 Grade: CR -1 to CR - 5
5	Textiles, garments & accessories	Appearance (visual assessment) after laundering	In-house method: (BD-TX-CH-SOP-001-06)	1 to 5 Grade
6	Textiles, garments & accessories	Durability wash of garment/ print/ motif/ appliqué/ embroidery	In House Method: (BD-TX-CH-SOP-004-01)	1 to 5 Grade
7	Textiles, garments & accessories	Colour fastness to actual laundering	In-house method: (BD-TX-CH-SOP-008-01)	1 to 5 Grade
8	Textiles, garments & accessories	Dimensional change to dry cleaning	In-house method: (BD-TX-CH-SOP-002-04)	0 to ± 30%
9	Textiles, garments & accessories	Spirality/ skewing of fabrics & garment	AATCC TM 179-2019, AATCC TM 207-2019, ISO 16322-1:2005, ISO 16322- 2:2005/ Cor-1 2007, ISO 16322-3:2005, ASTM D3882-08(R2020), BS 2819:1990+A2:2016	0 to ±30%


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10	Textiles, garments & accessories	Care label verification/ Confirmation	ASTM D3938-2018, ASTM D5489-2018, ISO 3758:2012	1 to 5 Grade 0 to \pm 30%
11	Textiles, garments & accessories	Test method for sewing threads	ASTM D204-2002(2016)	N/A
12	Textiles, garments & accessories	Shrinkage of yarn	ASTM D2259-2002(2016)	0 to \pm 30%
13	Textiles, garments & accessories	Durability of finish of zippers to laundering	ASTM D2051-2014	1 to 5 Grade
14	Textiles, garments & accessories	Dimensional change to steam test	BS 4323:1979, ISO 3005:1978	0 to 40%
15	Textiles, garments & accessories	Dimensional change to washing	AATCC TM 135-2018, AATCC TM 150-2018, ISO 6330:2012, ISO 5077:2007, AS 2001.5.4:2005, BS EN ISO 5077:2008, BS EN ISO 6330:2012, ISO 3759:2011, CAN/CGSB 4.2 No. 58- 2019, GB/T 8629-2017, ASTM D6544-2012	0 to \pm 30%
16	Textiles, garments & accessories	Determination of fabric width & length	ASTM D3774-2018, BS EN 1773:1997, AS 2001.2.12:1987(R2016), CAN/CGSB 4.2 No.4.1- 2008, ISO 22198:2006	1 to 200 cm
17	Textiles, garments, accessories, leather & footwear	Colour fastness to washing	AATCC TM 61-2013, BS EN ISO 105-C06:2010, ISO 105- C06:2010, ISO 105- C08:2010, CAN/CGSB-4.2 No.19.1-2004, ISO105-C10: 2006, AS 2001.4.15-2006, ISO 105 C09:2003, BS EN ISO 105-C08:2010, BS EN ISO 105-C09:2003, BS EN ISO 105-C10:2007,	1 to 5 Grade


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			DIN EN ISO105 C08:2010, DIN EN ISO105-C09:2007, DIN EN ISO105-C10:2010, JIS L0844:2011, GB/T 3921- 2008, ISO 15702:1998, IUF 435:1998, ISO 15703:1998, IUF 423:1998	
18	Textiles, garments, accessories, leather & footwear	Colour fastness to perspiration	AATCC TM 15-2013, CAN/CGSB 4.2 No. 23 M- 90(R2013), ISO 105 E04: 2013, BS EN ISO 105 E04:2013, DIN EN ISO 105 E04:2013, AS 2001.4.E04:2005(R2016), JIS L 0848:2004, GB/T 3922-2013, ISO 11641:2012/ IUF426:2012	1 to 5 Grade
19	Textiles, garments, accessories, leather & footwear	Colour fastness to rubbing/ crocking	AATCC TM 8-2016, AATCC TM 116-2016, AS 2001.4.3- 1995(R2016), CAN/CGSB 4.2 No. 22-2004(2013), ISO 105 X16:2016, BS EN ISO 105 X12:2016, DIN EN ISO 105 X12:2016, ISO 105 X12:2016, JIS L0849:2013, GB/T 3920-2008, ISO 11640:2018/IUF 450:2018, ISO 17700:2019, EN 13516:2001 Method A, EN 13516:2001 Method B, ISO 20433:2012/IUF 452:2012, BS 1006:1990, ASTM D5053-2003(2015), TM167:2004	1 to 5 Grade
20	Textiles, garments, accessories, leather & footwear	Colour fastness to water	AATCC TM 107-2013, ISO 105-E01:2013, DIN EN ISO 105-E01:2013, AS 2001.4.E01-2001(2016), CAN/CGSB 4.2 NO. 20-M 89 (R2013), JIS L 0846:	1 to 5 Grade


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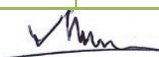
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			2004, GB/T 5713-2013, ISO 11642:1993/ IUF 420:2012	
21	Textiles, garments & accessories	Colour fastness to sea water	AATCC TM 106-2013, ISO 105 E02:2013, DIN EN ISO 105-E02:2013, AS 2001.4.E02-2001(R2016), CAN/CGSB 4.2 No.21-M90 (R2013), GB/T 5714-2019	1 to 5 Grade
22	Textiles, garments & accessories	Colour fastness to chlorinated water (swimming pool water)	ISO 105-E03:2010, DIN EN ISO105-E03:2010, AS 2001.4.5-1998(R2016), CAN/CGSB 4.2NO. 52.2-2013, AATCC TM 162-2011, GB/T 8433-2013	1 to 5 Grade
23	Textiles, garments & accessories	Shade variation (colour change)	AATCC EP1-2018, ISO 105 A02:1993/Cor 2-2005, AATCC TM173-2009(2015)e2, ISO 105 J03:2009	1 to 5 Grade
24	Textiles, garments & accessories	Colour fastness to dry cleaning	AATCC TM 132-2013, ISO 105-D01:2010, BS EN ISO 105-D01:2010, AS 2001.4.16-2016, CAN/CGSB 4.2 No.29.1-1997, GB/T 5711-2015	1 to 5 Grade
25	Textiles, garments & accessories	Colour fastness to dry heat	AATCC TM 117-2019, ISO 105 P01:1993, DIN EN ISO 105 P01:1995	1 to 5 Grade
26	Textiles, garments & accessories	Colour fastness to hot pressing	AATCC TM 133-2013, ISO 105 X11:1994, DIN EN ISO 105 X11:1996, AS 2001.4.6-1990(R2016)	1 to 5 Grade
27	Textiles, garments, accessories, leather & footwear	Colour fastness to water spotting	AATCC TM 104-2014, ISO 105 E07:2010, DIN EN ISO 105 E07:2010, AS 2001.4.4-1998 (R2016), ISO 15700:1998, IUF 420:1998	1 to 5 Grade
28	Textiles, garments &	Colour fastness to acid/ acid spotting	AATCC TM 6-2016, ISO 105-E05:2010,	1 to 5 Grade


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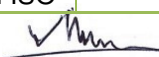
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	accessories		AS 2001.4.12-1981, DIN EN ISO 105-E05:2010	
29	Textiles, garments & accessories	Colour fastness to alkali/ alkali spotting	AATCC TM 6-2016, ISO 105 E06:2006, DIN EN ISO 105- E06:2006, AS 2001.4.9- 1981	1 to 5 Grade
30	Textiles, garments & accessories	Colour fastness to bleaching	AATCC TM 101-2019, ISO 105-N01:1993, DIN EN ISO 105 N02:1995, ISO 105- N02:1993, GB/T 7069-1997	1 to 5 Grade
31	Textiles, garments & accessories	Colour fastness to chlorine & non-chlorine bleaching	AATCC TS 001	1 to 5 Grade
32	Textiles, garments, accessories, leather & footwear	Colour fastness to solvents	ISO 105-X05:1994, DIN EN ISO 105-X05: 1997, AATCC TM 157-2016, ISO 11643:2009, IUF 434:2009	1 to 5 Grade
33	Textiles, garments & accessories	Colour fastness of zipper to laundrying	ASTM D2057-05 (2015)	1 to 5 Grade
34	Textiles, garments & accessories	Phenolic yellowing	ISO 105-X18:2007, BS EN ISO 105-X18:2007, DIN EN ISO 105-X18:2007	1 to 5 Grade
35	Textiles, garments & accessories	Colour fastness to dye transfer in storage/ sublimation	AATCC TM 163-2013, JIS L0854:2013, DIN 54056:2017	1 to 5 Grade
36	Textiles, garments, accessories, leather & footwear	Colour fastness to light	AATCC TM 16.3-2020, ISO 105-B02:2014, BS EN ISO 105-B02:2014, GB/T 8427- 2019, CAN/CGSB 4.2 No. 18.3-97, AS 2001.4.B02:2005	1 to 8 Grade
37	Textiles, garments & accessories	Colour fastness to perspiration & light	AATCC TM 125-2013, ISO 105 B07:2009, BS EN ISO 105 B07:2009, GB/T 14576 - 2009	1 to 8 Grade
38	Textiles, garments & accessories	Colour fastness to non- chlorine bleaching in home laundrying	AATCC TM 172-2016	1 to 5 Grade


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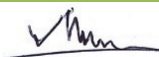
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39	Textiles, garments & accessories	Colour fastness to ozone	AATCC TM 109-2016, ISO 105 G03:1993, BS EN ISO 105 G03:1997	1 to 5 Grade
40	Metallic accessories	Corrosion test	BS 4162:1983 Section 10, ISO 22775:2004 (Method 2), BS EN ISO 22775:2004 (Method 2), TM 310:1992	1 to 5 Grade
41	Textiles, garments & accessories	Soil release: oily stain release method	AATCC TM 130-2018	1 to 5 grade
42	Textiles, garments & accessories	Oil repellency: hydrocarbon resistance test	AATCC TM 118-2015, ISO 14419:2010	0 to 8 grade
43	Textiles, garments & accessories	Aqueous liquid repellency: water/ alcohol solution resistance test	AATCC TM 193-2017, ISO 23232:2009	0 to 8 grade
44	Leather & leather products	Colour fastness to change in colour with accelerated ageing	ISO 17228:2015/ IUF 412:2015	1 to 5 grade
45	Textiles, garments, accessories, leather & footwear	Colour fastness to migration	ISO 17701:2016, EN 13517:2002, ISO 15701:2015/ IUF 442:2015, ISO 105-X10:1993	1 to 5 grade
46	Textiles, garments & accessories	Colour fastness to sweat	DIN 53160-2:2010	1 to 5 grade
47	Textiles, garments & accessories	Colour fastness to saliva	DIN 53160-1:2010, GB/T 18886-2019	1 to 5 grade
48	Textiles, garments & accessories	Colorfastness to Burnt Gas Fumes	AATCC TM 23-2015, ISO 105 G02:1993	1 to 5 grade
49	Metal & metal items	Corrosion tests in artificial atmospheres-salt spray tests	ISO 9227:2017, ASTM B117-2019	0-10
50	Textiles, garments & accessories	Water Vapor Transmission Test	ASTM E96/ E96M-2016	200-7000 g/m ² /24H
51	Textiles, garments &	Water repellency (Spray test)	AATCC TM 22-2017, ISO 4920:2012, DIN EN ISO	ISO 1 to ISO 5 (0 to 100)


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	accessories		4920:2012, BS EN ISO 4920:2012, CAN/CGSB 4.2 No. 26.2-M94	
52	Textiles, garments & accessories	Water resistance: (Rain, Impact penetration & Hydrostatic pressure)	AATCC TM 35-2018, ISO 22958:2005, AATCC TM 42-2017, AATCC TM 127-2017, ISO 811:2018, GB/T 23147- 2018, DIN EN 20811:1992	0.1 to 100 g
53	Textiles, garments & accessories	Drying rate of fabrics: Heated plate method	AATCC TM 201-2014	0 to 100 ml/hour
54	Textiles, garments & accessories	Absorbency of textile	AATCC TM 79-2018, EN 14697:2005(E), BS EN 14697:2005, BS 4554:19970	1 to 300 sec
55	Textiles, garments & accessories	Wicking of textiles	AATCC TM 197-2018, AATCC TM 198-2015, JIS L1907:2010	1 to 200 mm
56	Textiles, garments & accessories	Standard test method for extractable matter in textile	ASTM D2257-2020, AATCC TM 97:2019	0.1-5.0 %
57	Textiles, garments & accessories	Textile dyestuffs-part-1: general principles of testing coloured textile for dyestuff identification	ISO 16373-1:2015	Qualitative
58	Leather & leather products	Standard test method for volatile matter (Moisture) of leather by oven drying	ASTM D3790-2017	1 % to 30 %
59	Paper, pulp & paperboard	Moisture in pulp, paper and paperboard	TAPPI T 412 om-2012, ISO 287:2017	1 % to 30 %
60	Jute bags/ cloth & jute products	Determination of unsaponifiables in jute Bags/ cloth used for packaging selected food materials	IJO Standard 98/01:2005	1 ppm to 10,000 ppm
61	Textiles, garments & accessories	Fibre analysis	AATCC TM 20-2013, AATCC TM 20A-2018e, ISO/TR 11827:2012, ISO 1833-1:2020,	0.1 to 100%



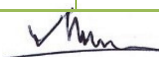
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			ISO 1833-2:2020, ISO 1833-3:2019, ISO 1833-4:2017, ISO 1833-5:2006, ISO 1833-6:2018, ISO 1833-7:2017, ISO 1833-8:2006, ISO 1833-9:2019, ISO 1833-10:2019, ISO 1833-11:2017, ISO 1833-12:2019, ISO 1833-13:2019, ISO 1833-14:2019, ISO 1833-15:2019, ISO 1833-16:2019, ISO 1833-17:2019, ISO 1833-18:2019, ISO 1833-20:2018, ISO 1833-21:2019, ISO 1833-22:2013, ISO 1833-24:2010, ASTM D276-2012, ASTM D629-2008, CAN/CGSB 4.2 No.14:2005, AS 2001.7-2005, Regulation (EU) No1007/2011, GB/T 2910.1-2009, GB/T 2910.2-2009, GB/T 2910.3-2009, GB/T 2910.4-2009, GB/T 2910.5-2009, GB/T 2910.6-2009, GB/T 2910.7-2009, GB/T 2910.8-2009, GB/T 2910.9-2009, GB/T 2910.10-2009, GB/T 2910.11-2009, GB/T 2910.12-2009, GB/T 2910.13-2009, GB/T 2910.14-2009, GB/T 2910.15-2009,	

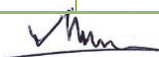


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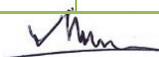
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62	Textiles, garments, accessories, liquid & powder material	Determination of certain listed banned aromatic amines derived from Azo colorants- 4-Aminobiphenyl; Benzidine; 4-Chloro-o-Toluidine; 2-Naphthylamine; o-Aminoazotoluene; 5-nitro-o-toluidine; 4-chloroaniline; 4-methoxy-m- phenylenediamine; 4,4'-Diaminodiphenylmethane; 3,3'-Dichlorobenzidine; 3,3'-Dimethoxybenzidine; 3,3'-Dimethylbenzidine; 4,4'-methylenedi-o-toluidine; p-Cresidine; 4,4'-methylene-bis-(2-chloro- aniline); 4,4'-oxydianiline; 4,4'-Thiodianiline; o-Toluidine; 4-methyl-m-phenylenediamine; 2,4,5-Trimethylaniline; 4-aminoazobenzene*; O-Anisidine; 2,4-Xylidin;	GB/T 2910.16-2009, GB/T 2910.17-2009, GB/T 2910.18-2009, GB/T 2910.19-2009, GB/T 2910.20-2009, GB/T 2910.21-2009, GB/T 2910.22-2009, GB/T 2910.24-2009, FZ/T 01057.1-2007, FZ/T 01057.2-2007, FZ/T 01057.3-2007, FZ/T 01057.4-2007, FZ/T 01057.6-2007 SOP No : RSTS-CHEM-201-14 (ISO 14362-1:2017 EN ISO 14362-1:2017) RSTS-CHEM-201-15 (ISO 14362-3:2017 EN ISO 14362-3:2017) SOP No. RSTS-CHEM-201-7 (EN 14362-1 :2012 EN 14362-3 :2012 BS EN 14362-1 :2012 BS EN 14362-3 :2012 DIN EN 14362-1 :2012 DIN EN 14362-3 :2012) SOP No : RSTS-CHEM-201-10 (EN 14362-1 : 2003 BS EN 14362-1:2003 DIN EN 14362-1:2003 § 64 LFGB BVL B 82.02.2: 2004) RSTS-CHEM-201-11 (EN 14362-2:2003 BS EN 14362-2:2003 § 64 LFGB BVL B 82.02.4: 2004) RSTS-CHEM-201-12	0.10-0.45 mg/kg


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		2,6-Xylidin; 2-Naphthylammoniumacetate; 4-chloro-otoluidiniumchloride; 4-methoxy- mphenylenediammonium sulphate; 2,4-diaminoanisolesulphat; 2,4,5-trimethylaniline hydrochloride; Aniline.	(§ 64 LFGB BVL B 82.02.9: 2008 ISO 17234-2:2011 EN ISO 17234-2:2011) RSTS-CHEM-201-13 (ISO 17234-1: 2015 § 64 LFGB BVL B 82.02.3(V)-2004 GB-T 17592:2011)	
63	Leather & leather products	Determination of certain listed banned aromatic amines derived from Azo colorants 4-Aminobiphenyl; Benzidine; 4-Chloro-o-Toluidine; 2-Naphthylamine; o-Aminoazotoluene; 5-nitro-o-toluidine; 4-chloroaniline; 4-methoxy-m- phenylenediamine; 4,4'-Diaminodiphenylmethane; 3,3'-Dichlorobenzidine; 3,3'-Dimethoxybenzidine; 3,3'-Dimethoxybenzidine; 4,4'-methylenedi-o-toluidine; p-Cresidine; 4,4'-methylene-bis-(2-chloro- aniline); 4,4'-oxydianiline; 4,4'-Thiodianiline; o-Toluidine; 4-methyl-m-phenylenediamine; 2,4,5-Trimethylaniline; 4-aminoazobenzene*; O-Anisidine; 2,4-Xylidin; 2,6-Xylidin; 2-Naphthylammoniumacetate; 4-chloro-otoluidiniumchloride;	SOP No: RSTS-CHEM-201-2 (ISO 17234-1:2015 EN ISO 17234-1:2015 § 64 LFGB, BVL B 82.02- 3:2014) RSTS-CHEM-201-4 (ISO 17234-2 : 2011 § 64 LFGB, BVL B 82.02- 9:2014)	0.11-0.46 mg/kg


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		4-methoxy- mphenylenediammonium sulphate; 2,4-diaminoanisolesulphate; 2,4,5-trimethylaniline hydrochloride; Aniline.		
64	Textiles, garments, liquid & powder material	Allergenous disperse Dyestuff in textile materials Disperse Blue 1; Disperse Blue 3; Disperse Blue 7; Disperse Blue 26; Disperse Blue 35; Disperse Blue 35A; Disperse Blue 35B; Disperse Blue 102; Disperse Blue 106; Disperse Blue 124; Disperse Brown 1; Disperse Orange 1; Disperse Orange 3; Disperse Orange 37/76/59; Disperse Red 1; Disperse Red 11; Disperse Red 17; Disperse Yellow 1; Disperse Yellow 3; Disperse Yellow 9; Disperse Yellow 23; Disperse Yellow 39; Disperse Yellow 49; Basic violet 14; Disperse Orange 11; Basic red 9; Disperse Orange 149; Basic Blue 26 (with michler's ketone>0.1%); Basic Green 4 (malachite green chloride); Basic Green 4 (malachite	SOP No: RSTS-CHEM-202-1 (DIN 54231:2005 § 64 LFGB BVL B 82.02.10- 2007, GB/T 20382:2006 (mod), GB/T 20383:2006 (mod), GB/T 30398:2013 (mod), GB/T 30399:2013 (mod))	0.143-0.315 mg/kg


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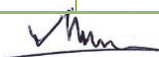
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		green oxalate); Basic Green 4 (malachite green); Disperse Red 151; Disperse Yellow 7; Disperse Yellow 56; 4-Dimethylaminoazobenzene (Solvent Yellow 2); Solvent Blue 4; 4,4'-bis(dimethylamino)-4'- (methylamino)trityl alcohol; Acid Violet 49; Quinoline;		
65	Textiles, garments, liquid & powder material	Carcinogenic Dye stuff in textile materials Acid Red 26; Basic Red 9; Direct Black 38; Direct Blue 6; Direct Red 28; Basic Violet 3; Basic Violet 14; Disperse Orange 11; Disperse Blue 1; Disperse Yellow 3; Direct Brown 95; Solvent Yellow 1; Solvent Yellow 2; Navy Blue; Lead sulfochromate yellow (Pigment Yellow 34); Lead chromate molybdate sulfate red (Pigment Red 104); Basic Violet 3 (with ≥ 0.1 % Michler's ketone or base); Direct Blue 15; Solvent Yellow 3; Acid Red 114;	SOP No: RSTS-CHEM-202-1 (DIN 54231:2005 § 64 LFGB BVL B 82.02.10- 2007, GB/T 20382:2006 (mod), GB/T 20383:2006 (mod), GB/T 30398:2013 (mod), GB/T 30399:2013 (mod))	0.30-0.45 mg/kg
66	Textiles, garments,	Determination of extractable chlorinated phenols & other	SOP No: RSTS-CHEM-203-1	0.02-0.06 mg/kg for CP,


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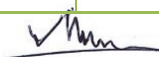
CAB Name & Address:		SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh		
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	leather, liquid & powder material	phenol- Pentachlorophenol (PCP) Tetrachlorophenol (TeCP): 2,3,5,6-Tetrachlorophenol (TeCP) 2,3,4,6- Tetrachlorophenol (TeCP) 2,3,4,5- Tetrachlorophenol (TeCP) Trichlorophenol (TCP): 2,4,5-Trichlorophenol (TriCP) 2,4,6- Trichlorophenol (TriCP) 2,3,4- Trichlorophenol (TriCP) 2,3,5- Trichlorophenol (TriCP) 2,3,6- Trichlorophenol (TriCP) 3,4,5- Trichlorophenol (TriCP) Dichlorophenol(DCP): 2,3-Dichlorophenol (DCP) 2,4- Dichlorophenol (DCP) 2,5- Dichlorophenol (DCP) 2,6- Dichlorophenol (DCP) 3,4- Dichlorophenol (DCP) 3,5- Dichlorophenol (DCP) Monochlorophenol (MCP) 2- Chlorophenol (MCP) 3- Chlorophenol (MCP) 4- Chlorophenol (MCP)	(§ 64 LFGB B 82.02.8-2001, ISO 17070 :2015, DIN EN ISO 17070:2015) RSTS-CHEM-203-2 (DIN 53313:1993 § 64 LFGB B 82.02.8-2001(mod))	For OPP 0.15 mg/kg
67	Textiles, garments, accessories, liquid & powder material	Determination of Chlorinated Benzene and Toluene/Chlorinated Organic Carriers (COC) – 2-Chlorotoluene; 3-Chlorotoluene; 4-Chlorotoluene; 2,4-Dichlorotoluene; 2,5-Dichlorotoluene; 2,6-Dichlorotoluene; 2,3-Dichlorotoluene; 3,4-Dichlorotoluene; 3,5-Dichlorotoluene; 2,4,5-Trichlorotoluene;	SOP No: RSTS-CHEM-204-1 (EN 17137:2018, DIN 54232:2010)	0.002-0.032 mg/kg


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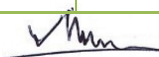
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		2,3,6-Trichlorotoluene; α,α,α,4-tetrachlorotoluene; 2,3,4,6-tetrachlorotoluene; 2,3,5,6-tetrachlorotoluene; 2,3,4,5-tetrachlorotoluene; 2,3,4,5,6-Pentachlorotoluene; Monochlorobenzene; 1,2-Dichlorobenzene; 1,3-Dichlorobenzene; 1,4-Dichlorobenzene; 1,2,3-Trichlorobenzene; 1,3,5-Trichlorobenzene; 1,2,4-Trichlorobenzene; 1,2,3,5-Tetrachlorobenzene; 1,2,4,5-Tetrachlorobenzene; 1,2,3,4-Tetrachlorobenzene; Pentachlorobenzene; Hexachlorobenzene; Benzotrachloride / α,α,α- trichlorotoluene; Benzyl Chloride / α- chlorotoluene; 1,2-Dichlorobenzene;		
68	Textiles, garments, leather, plastic accessories, liquid & powder material.	Determination of Organotin content - Monomethyltin Dimethyltin Trimethyltin Monobutyltin Dibutyltin Tributyltin Tetrabutyltin Triphenyltin Mono-n-Octyltin Di-n-Octyltin Tri-n-propyltin Tri-Cyclohexyltin Monophenyltin Diphenyltin Tri-n-Octyltin Tetraethyltin	SOP No: RSTS-CHEM-205-01 (ISO 17353:2004, BS ISO 17353:2004, DIN EN ISO 17353:2005) RSTS-CHEM-205-02 (ISO/TS 16179:2012, CEN ISO/TS 16179:2012)	0.002-0.003 mg/kg


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69	Textiles, garments, leather, plastic, rubber, liquid & powder material	Determination of Phthalates – Di-butyl phthalate (DBP); Benzyl butyl phthalate (BBP); Bis-(2-ethylhexyl) phthalate (DEHP); Di-“iso nonyl” phthalate (DINP); Di-n-octyl phthalate (DNOP); Di-“iso decyl” phthalate (DIDP); Di iso pentyl phthalate (DIPP); n-pentyl iso-pentyl phthalate (iPnPP); Di-n-pentyl phthalate (DPP); Bis (2-methoxyethyl) phthalate (DMEP); Di-n-hexyl phthalate (DnHP); Di-iso-butyl phthalate (DIBP); Diisoheptyl phthalate (DIHpP); Diundecyl phthalate (DUDP); Di heptyl nonyl undecyl phthalate (DHNUP); Diisooctyl Phthalate (DIOP); Dibenzyl Phthalate (DBzP); Dinonyl Phthalate (DNP); Diphenyl Phthalate (DPhP); Dihexyl Phthalate (DHP); Di-n-Heptyl Phthalate (DnHpP); Didecyl Phthalate (DDP); Dimethyl Phthalate (DMP); Diethyl Phthalate (DEP); Di-n-propyl Phthalate (DPrP); Di-cyclohexyl Phthalate (DCHP); Di-iso-hexyl Phthalate (DIHP);	SOP No : RSTS-CHEM-206-6 RSTS-CHEM-206-7 (CPSC-CH-C1001-09.3 CPSC-CH-C1001-09.4, ISO 14389:2014 EN ISO 14389:2014 GB/T 24168:2009)	2.8-6.2 mg/kg
70	Plastic accessories & prints in textile & garments	Polyvinyl Chloride (PVC) detection in plastic & coating material	SOP No: RSTS-CHEM-207-1, (Belistein Method- Preliminary method, FT-IR method by solvent Extraction-Confirmatory	Qualitative


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71	Textiles, garments, leather, plastic, paper, liquid & powder materials	Determination of Alkylphenol (AP) & Alkylphenol Ethoxylates (APEO) – Nonylphenol (NP), mixed isomer Octylphenol (OP), mixed isomer Nonylphenoethoxylats (NPEO) Octylphenoethoxylats (OPEO)	SOP No: RSTS-CHEM-213-1 & 2 (EN ISO 21084:2019, EN ISO 18254-1: 2016, ISO 18254-1:2016, ISO 18218-1: 2015, EN ISO 18218-1: 2015, Solvent Extraction, analysis by HPLC-MS. GB/T 23972:2009)	0.206-0.228 mg/kg for APEO, 0.506 – 0.65 mg/kg for AP
72	Textiles, garments, accessories, coated materials, polymeric materials, liquid & powder material	Determination of extractable perfluorinated compounds - Perfluorooctanesulfonic acid (PFOS) [^] ; N-ethylperfluoro-1-octanesulfonamide (EtFOSA); N-methylperfluoro-1-octanesulfonamide (MeFOSA); 2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (EtFOSE); 2-(N-methylperfluoro-1-octanesulfonamido) -ethanol (MeFOSE); Perfluoro-1-octanesulfonyl fluoride (POSF); Perfluorooctane sulfonamide (PFOSA); PFOA and its salts: Perfluorooctanoic acid (PFOA) ⁺ ; PFOA-related substances: 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTS); Methyl perfluorooctanoate (Me-PFOA); Ethyl perfluorooctanoate (Et-PFOA);	SOP No: RSTS-CHEM-219-1 (ISO 23702-1:2018, EN ISO 23702-1:2018, CEN/TS 15968:2010, GB/T 29493.2:2013) RSTS-CHEM-219-2 (Inhouse Method)	0.0001-0.0039 mg/kg or 0.005-0.209 µg/m ²


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		2-Perfluorooctylethanol (8:2 FTOH); 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA); 1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) ; Others: Perfluorobutane Sulfonate (PFBS); Perfluorohexane Sulfonate (PFHxS); Perfluoroheptane Sulfonate (PFHpS); Perfluorodecane Sulfonate (PFDS); Perfluorobutane Acid (PFBA); Perfluoropentane Acid (PFPA); Perfluorohexane Acid (PFHxA); Perfluoroheptane Acid (PFHpA); Perfluorononane Acid (PFNA); Perfluorodecane Acid (PFDA); Perfluoroundecanoic Acid (PFUnA); Perfluorododecanoic Acid (PFDoA); Perfluorotridecanoic Acid (PFTTrA); Perfluorotetradecanoic Acid (PFTeA); Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA); 7H-dodecanefluoroheptane Acid (HPFHpA); 2H,2H-perfluorodecane Acid (H2PFDA); 2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA); 1H,1H,2H,2H-		




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		Perfluorooctylacrylate (6:2 FTA); 1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA); 1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH); 1H,1H,2H,2H-Perfluoro-1-oktanol (6:2 FTOH); 1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH);		
73	Textiles, garments & accessories	Determination of free & released formaldehyde	SOP No: RSTS-CHEM-101-1 (JIS L 1041-2011 Method A, ISO 14184-1:2011, EN ISO 14184-1:2011, BS EN ISO 14184-1:2011, DIN EN ISO 14184-1:2011, ISO 14184-2:2011, EN ISO 14184-2:2011, BS EN ISO 14184-2:2011, DIN EN ISO 14184-2:2011, AATCC TM 112:2014, § 64 LFGB BVL B 82.02.1:1985, GB/T 2912.1:2009, ITX-GB/T 2912.1/2012C ITX-GB/T 19941.2/2005D ITX-GB/T 19941.1/2005A) RSTS-CHEM-101-9 (AATCC TM 94-2012)	0.60 mg/kg
74	Leather	Determination of free & released formaldehyde	SOP No: RSTS-CHEM-101-3 (ISO 17226-1/2:2019, EN ISO 17226-1/2:2019, ISO 17226-1/2:2008, DIN 53315:1996- Method A)	0.425 mg/kg
75	Textiles, garments & accessories	pH value in aqueous extract/ water extract	SOP No : RSTS-CHEM-102-1 (ISO 3071:2020,	1 to 14


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			ISO 3071 :2005, EN ISO 3071 :2006, BS EN ISO 3071 : 2006, DIN EN ISO 3071 : 2006, EN 1413 :1998, BS EN 1413 :1998, AATCC TM 81 : 2016, GB/T 7573 :2009)	
76	Leather	pH value in aqueous extract/ water extract	SOP No : RSTS-CHEM-102-2 (ISO 4045 :2018, BS EN ISO 4045 :2018)	1 to 14
77	Textiles, garments, leather, PU leather, rubber & silica gel pellet	Determination of Dimethyl fumarate (DMFu) in leather, PU leather, textile, rubber & silica gel pellet	SOP No: RSTS-CHEM-233-1 (EN 17130:2019, CEN ISO/TS 18186:2012)	0.041 mg/kg
78	Textiles, garments, polymer, rubber type samples, liquid & powder material	Determination of polycyclic aromatic hydrocarbon (PAH) - Naphthalene (NAP) Acenaphthylene (ANY) Acenaphthene (ANA) Fluorene (FLU) Phenanthrene (PHE) Anthracene (ANT) Fluoranthene (FLT) Pyrene (PYR) Benzo(a)anthracene (BaA) Chrysene (CHR) Benzo(b)fluoranthene (BbF) Benzo(k)fluoranthene (BkF) Benzo(a)pyrene (BaP) Indeno(1,2,3-cd)pyrene (IPY) Dibenzo(a,h)anthracene (DBA) Benzo(g,h,i)perylene (BPE) Benzo(j)fluoranthene (BjF) Benzo(e)pyrene (BeP)	SOP No: RSTS-CHEM-232-1 (EPA 610 AfPS GS 2014:01 PAK, AfPS GS 2019 PAK)	0.002-0.012 mg/kg
79	Textiles, garments, leather &	Extractable heavy metals – Lead Cadmium	SOP No: RSTS-CHEM-103-1 (ISO 105 E04 :2013	0.002 – 0.141 mg/kg


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	accessories	Chromium Chromium VI Cobalt Antimony Arsenic Mercury Nickel Copper Manganese Barium Selenium	DIN EN 16711-2:2016 ISO 17072-1: 2011 DIN EN ISO 17072-1:2017)	
80	Textiles, garments & leather	Determination of Hexavalent Chromium (Chromium VI) content in leather	SOP No: RSTS-CHEM-104-1, (ISO 17075-1: 2017) RSTS-CHEM-104-6, (In-house method) RSTS-CHEM-104-2, (ISO 17075-2 : 2017), RSTS-CHEM-104-7 (ISO 10195:2018 Method:A2)	0.2 mg/kg
81	Metal item	Screening test for nickel release from alloys & coatings (nickel spot test)	SOP No: RSTS-CHEM-105-6 (EN 12471:1996, EN 12471:1996, CR 12471:2002)	Qualitative
82	Metal item (coated & non- coated)	Detection of nickel release from coated and non-coated items	RSTS-CHEM-105-5 (EN 12472 :2005+A1:2009 EN 1811:2011 EN 1811:2011+AC:2012 EN 1811:2011+A1:2015)	0.1µg/cm ² /week
83	Plastic (PVC)/ rubber accessories in textiles & garments	Cadmium content in PVC item	SOP No: RSTS-CHEM-106-1 (EN 1122:2001, BS EN 1122:2001, USEPA 3052:1996) Inditex's SOP-A- 022/023/024, DIN EN 16711-1:2016, DIN	1 mg/kg


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			EN ISO 17072-2:2017)	
84	Textiles, garments, accessories, toy products & paint or surface coating material	Total lead and cadmium content in wet paint or surface coating materials	SOP No: RSTS-CHEM-109-1 (CPSC-CH-E1003-09.1, ASTM E1645-2007 & ASTM E1613-2012 16 CFR 1303, ASTM F963 US Public Law 110-314, AOAC official method 974.02, Inditex's SOP-A- 022/023/024, DIN EN 16711-1:2016, DIN EN ISO 17072-2:2017)	2-2.5 mg/kg
85	Textiles, garments, accessories, toy products, plastic, glass & ceramic items	Total lead and cadmium content in plastic, fabric	SOP No: RSTS-CHEM-109-2 (CPSC-CH-E1002-08.1, DIN EN 16711-1, USEPA 3051A:2007, USEPA 3052:1996, USEPA 3050B:1996 ASTM E1613, Inditex's SOP-A-022/023/024, EN ISO 17072-2:2017)	1 mg/kg
86	Textiles, garments, accessories, toy products & metal items	Total lead and cadmium content in children's metal product including metal jewelry	SOP No: RSTS-CHEM-109-2 (CPSC-CH-E1001-08.1, USEPA 3050B, USEPA 3052, USEPA 3051A, DIN EN 16711-1, ASTM E1613-04, Inditex's SOP-A-022/023/024, USEPA 3052:1996, US Public Law 110-314, EN ISO 17072-2:2017)	1 mg/kg
87	Textiles, garments, accessories, plastic items, Liquid & powder material	Determination of Heavy Metal & toxic elements- Cadmium, Chromium, Mercury, Lead,	SOP No: RSTS-CHEM-108-1 (USEPA 3052 USEPA Method 6010B USEPA Method 6020, DIN EN 16711-1:2016,	1-1.3 mg/kg


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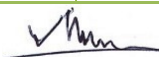
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		Tin, Arsenic, Antimony, Barium, Selenium, Nickel, Copper, Cobalt, Silver, Borate, zinc salt, Silica (particles of respirable size).	EN ISO 17072-2:2017, Inditex's SOP-A- 022/023/024)	
88	Plastics, metals & packaging materials	Determination of Toxic elements [Pd, Cd, Cr(VI), Hg] in packaging materials	SOP No: RSTS-SL-108-2 (EPA 3050B EPA 3051A, EPA 3052 IEC 62321 Ed1 CPSC-CH-E1001-08.1 CPSC-CH-E1003-09.1 CPSC-CH-E1002-08.1)	0.14-5 mg/kg
89	Textiles, garments, accessories, toy products, metal, plastic and coated items	Migration of Certain Element/Toxicity Lead, Boron, Tin, Chromium VI Cadmium, Zinc, Chromium III, Chromium, Aluminum Barium, Magnesium Antimony, Cobalt Arsenic, Nickel Mercury, Cupper Selenium, Strontium	SOP No: RSTS-CHEM-110-3 EN 71-3 :2019 EN 71-3 :2013+A1 :2014, EN 71 part3:1994+A1:2000, AC: 2002, 2009/48/EC.	0.2-4.4 mg/kg
90	Ceramic & ceramic products	Leachable lead and cadmium in ceramic wares	ASTM C927-80 (Reapproved 2014) ISO 6486-1:1999 BS 6748:1986+A:2011	For Pb: 0.04 mg/L; 0.003 mg/dm ² For Cd: 0.01 mg/L; 0.001 mg/dm ²
91	Materials and articles in contact with	Thermal shock and thermal shock endurance	BS EN 1183:1997	Qualitative


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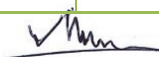
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	food stuffs			
92	Materials and articles in contact with food stuffs	Resistance to microwave heating of ceramic, glass, glass ceramic or plastic cookware	BS EN 15284:2007	Qualitative
93	Textiles, garments & accessories	Determination of Triclosan in Textile Material by GC/MS	RSTS-SL-231-1 (In house method)	0.03 mg/kg
94	Textiles, garment, accessories, leather, liquid & powder material	Determination of short chain chlorinated paraffin (C10-C13), SCCP & medium chlorinated paraffin (C14-C17), MCCP.	RSTS-CHEM-209-1 (ISO 18219:2015 USEPA Method 8082A CADS SCCP method v8:112017)	SCCP=11 & MCCP=7.7 mg/kg
95	Textiles, garments, accessories, plastic, paint, leather, liquid & powder material	Determination of selected Volatile Organic Compounds (VOCs) Dichloromethane, Chloroform, Tetrachloromethane, 1,1,2-Trichloroethane, 1,2-Dichloroethane, Trichloroethylene, Tetrachloroethylene, 1,1,1-Trichloroethane, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Pentachloroethane, Cis-1,2-Dichloroethylene, Trans-1,2-Dichloroethylene, Benzene, Toluene, Ethylbenzene, Xylene, Styrene, Cyclohexanone, N, N-Dimethylformamide, 1-Methyl-2-pyrrolidone, N, N-Dimethylacetamide, o-Cresol, p-Cresol,	RSTS-CHEM-220-2 (EPA Method 8260C, EPA Method 3585 & EPA Method 5000) RSTS-CHEM-266-1 (DIN CEN ISO/TS 16189 :2013) EN 17131 :2019 RSTS-CHEM-220-1 (GC/MS Headspace 45 minutes at 120 degrees C, In house Method)	0.007-0.025 mg/kg


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		m-Cresol, Carbon Disulfide, Carbon Tetrachloride, 1,1-Dichloroethane, Tetrachloroethylene (PERC), Trichloroethylene		
96	Textiles, garments, leather, Liquid or powder material	Determination of Chromium VI content.	RSTS-CHEM-104-2 (ISO 17075-2:2017)	0.10 mg/kg
97	Textiles, garments, accessories, plastic, foam, leather, plastic, liquid & powder material.	Determination of flame retardants- Tris(chloroethyl)phosphate (TCEP); Decabromodiphenyl Ether (DecaBDE); Tris-(2,3-dibromopropyl) phosphate (TRIS); Pentabromodiphenyl Ether (PentaBDE); Octabromodiphenyl Ether (OctaBDE); Bis-(2,3-dibromopropyl) phosphate (BDBPP); Tris-(aziridinyl)phosphine oxide (TEPA); Polybrominated biphenyls (PBBs); Tetrabromobisphenol A (TBPPA); Hexabromocyclododecane (HBCDD) and all isomers; 2,2-Bis(bromoethyl)-1,3- propanediol (BBMP); Tris(1,3-dichloro-iso-propyl) phosphate (TDPCP); Boric acid; Disodium tetraborate, anhydrous; Disodium octaborate;	RSTS-CHEM-256-1 (In-house Method, GB/T 29493.1:2013 (mod)) EN ISO 17881-1:2016 and EN ISO 17881-2:2016	0.05-0.16 mg/kg




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Certificate Number:		01.003.12	Issued on:	28 January 2021
Last Amended on:		29.03.2021	Valid until:	03 November 2023
Amendment no:		01		
S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		Dibromopropylether; Diboron trioxide; Heptabromodiphenyl ether (HeptaBDE); Monobromodiphenylethers (MonoBDEs); Hexabromodiphenylether (HexaBDE); Nonabromodiphenylether (NonaBDE); Tetraboron disodiumheptaoxide, hydrate Tetrabromodiphenylether (TetraBDE); Tribromodiphenylethers (TriBDEs); Tris-(2-chloro-1- methylethyl)phosphate (TCPP); Trixylyl phosphate (TXP), Tetrabromodiphenyl ether (TetraBDE), Hexabromodiphenyl ether (HexaBDE), Heptabromodiphenyl ether (HeptaBDE), Tris (1-chloro-2- propyl)phosphate (TCPP), Bis(2,3-dibromopropyl) phosphate (BDBPP)		
98	Textiles, garments, accessories, leather, liquid & powder material.	Determination of Glycols- Bis(2-methoxyethyl)-ether, 2-Ethoxyethanol, 2-Ethoxyethyl acetate, Ethylene glycol dimethyl ether, 2-Methoxyethanol, 2-Methoxyethylacetate, 2-Methoxypropylacetate, Triethylene glycol dimethyl ether	RSTS-CHEM-249-1 (In-house method)	0.36-3.90 mg/kg


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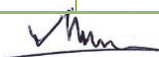
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99	Water, waste water & sludge	Alkylphenols (APs) and Alkylphenol Ethoxylates (APEOs): Octylphenol (OP), mixed isomers Nonylphenol (NP), mixed isomers Octylphenol ethoxylates (OPEO) Nonylphenol ethoxylates (NPEO)	BD-RSTS-OR-SOP-102-01 (With reference to ISO 18254-1, ISO 18857-2 followed by LC/MS & GCMS analysis)	NPEO = 0.3 µg/L OPEO= 0.1 µg/L NP= 0.24 µg/L OP= 0.22 µg/L
100	Water, waste water & sludge	Chlorobenzenes and Chlorotoluenes (COCs): Monochlorobenzenes 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5-Trichlorobenzene 1,2,3,4-Tetrachlorobenzene 1,2,3,5-Tetrachlorobenzene 1,2,4,5-Tetrachlorobenzene Pentachlorobenzene Hexachlorobenzene 2-Chlorotoluene 3-Chlorotoluene 4-Chlorotoluene 2,3-Dichlorotoluene 2,4-Dichlorotoluene 2,5-Dichlorotoluene 2,6-Dichlorotoluene 3,4-Dichlorotoluene 3,5-Dichlorotoluene 2,3,4-Trichlorotoluene 2,3,6-Trichlorotoluene 2,4,5-Trichlorotoluene 2,4,6-Trichlorotoluene 3,4,5-Trichlorotoluene 2,3,4,5-Tetrachlorotoluene 2,3,4,6-Tetrachlorotoluene	BD-RSTS-OR-SOP-103-01 (USEPA 8260B, USEPA 8270D, Dichloromethane extraction followed by GC/MS analysis)	0.001-0.008 µg/L


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		2,3,5,6-Tetrachlorotoluene Pentachlorotoluene		
101	Water, waste water & sludge	Chlorophenols: 2-Chlorophenol 3-Chlorophenol 4-Chlorophenol 2,3-Dichlorophenol 2,4-Dichlorophenol 2,5-Dichlorophenol 2,6-Dichlorophenol 3,4-Dichlorophenol 3,5-Dichlorophenol 2,3,4-Trichlorophenol 2,3,5-Trichlorophenol 2,3,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 3,4,5-Trichlorophenol 2,3,4,5-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol Pentachlorophenols	BD-RSTS-OR-SOP-107-01 (USEPA 8270D, Solvent extraction and derivatization with KOH, acetic anhydride followed by GC/MS analysis)	0.021-0.065 µg/L
102	Water, waste water & sludge	AZO Dyes: 4-Aminodiphenyl Benzidine 4-Chloro-o-Toluidine 2-Naphthylamine o-Aminoazotoluene 2-Amino-4-Nitrotoluene p-Chloroaniline 2,4-Diaminoanisole 4,4'-Diaminodiphenylmethane 3,3'-Dichlorobenzidine 3,3'-Dimethoxybenzidine 3,3'-Dimethylbenzidine 3,3'-Dimethyl- 4,4'diaminodiphenylmethane p-Cresidine 4,4'-Methylene-Bis(2- Chloroaniline)	BD-RSTS-OR-SOP-101-01 (With reference to EN 14362-1 & 3 and Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC-DAD analysis)	0.01-0.06 µg/L

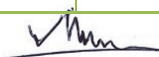


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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		4,4'-Oxydianiline 4,4'-Thiodianiline o-Toluidine 2,4-Toluylenediamine 2,4,5-Trimethylaniline o-Anisidine p-Aminoazobenzene 2,4-Xylidine 2,6-Xylidine		
103	Water, waste water & sludge	Allegenic Disperse Dyes & Carcinogenic Dyes: Acid Red 26 Basic Blue 26 Basic Green 4 (malachite green) Basic Green 4 (malachite green chloride)^ Basic Green 4 (malachite green oxalate)^ Basic Red 9 Basic Violet 14 Direct Black 38 Direct Blue 6 Direct Red 28 Disperse Blue 1 Disperse Blue 3 Disperse Orange 11 Disperse Brown 1 Disperse Blue 7 Disperse Blue 26 Disperse Blue 35 Disperse Blue 102 Disperse Blue 106 Disperse Blue 124 Disperse Orange 1 Disperse Orange 3 Disperse Orange 37/59/76 Disperse Red 1 Disperse Red 11 Disperse Red 17 Disperse Yellow 1	BD-RSTS-OR-SOP-104-01 (Solvent extraction followed by HPLC-MSD-DAD analysis)	0.04 - 0.15 µg/L


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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		Disperse Yellow 3 Disperse Yellow 9 Disperse Yellow 39 Disperse Yellow 49 Navy Blue		
104	Water, waste water & sludge	Flame Retardants: Pentabromodiphenyl ethers (PentaBDE) Octabromodiphenyl ethers (OctaBDE) Decabromodiphenyl ethers (DecaBDE) Tris(2-chloroethyl) phosphate (TCEP) Tris(1-aziridinyl)phosphine oxide (TEPA) Tetrabromobisphenol A (TBBPA) Hexabromocyclododecane (HBCDD) Bis(2,3- dibromopropyl)phosphate (BIS) Tris(2,3-dibromopropyl) phosphate (TRIS) 2,2-Bis(bromomethyl)-1,3- propanediol (BBMP) Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) Short Chain Chlorinated Paraffins (SCCP), C10-C13	BD-RSTS-OR-SOP-113-01 (USEPA 527, USEPA 8270, USEPA 8321B, Solvent extraction followed by GC/MS analysis)	For FR: 0.02 - 0.939 µg/L, For SCCP: 0.058 µg/L
105	Water, waste water & sludge	Glycols: Bis(2-methoxyethyl)-ether 2-Ethoxyethanol 2-Ethoxyethyl acetate Ethylene glycol dimethyl ether 2-Methoxyethanol 2-Methoxyethylacetate 2-Methoxypropylacetate Triethylene glycol dimethyl	BD-RSTS-OR-SOP-112-01 (USEPA 8270D, Solvent extraction followed by GC/MS analysis)	0.096 - 0.27 µg/L


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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		ether		
106	Water, waste water & sludge	Halogenated solvent & Volatile Organic Compounds (VOC): 1,2-Dichloroethane Methylene chloride Trichloroethene Tetrachloroethene Benzene Xylene o-cresol p-cresol m-cresol	BD-RSTS-OR-SOP-109-01 (USEPA 8260B, Head-space & Solvent extraction followed by GC/MS analysis)	0.12-0.34 µg/L
107	Water, waste water & sludge	Organotin Compounds: Mono-, di- and tri-methyltin derivatives Monomethyltin (MMT) Dimethyltin (DMT) Trimethyltin (TMT) Mono-, di- and tri-butyltin derivatives Monobutyltin (MBT) Dibutyltin (DBT) Tributyltin (TBT) Mono-, di- and tri-octyltin derivatives Monooctyltin (MOT) Dioctyltin (DOT) Trioctyltin (TOT) Mono-, di- and tri-phenyltin derivatives Monophenyltin (MPhT) Diphenyltin (DPhT) Triphenyltin (TPhT)	BD-RSTS-OR-SOP-105-01 (With reference to ISO 17353 and followed by GC/MS analysis)	0.006-0.009 µg/L
108	Water, waste water & sludge	Perfluorinated / Polyfluorinated Chemicals (PFCs): PFOS PFOA PFBS PFHxA 6:2 FTOH	BD-RSTS-OR-SOP-110-01 & BD-RSTS-OR-SOP-111- 01 {Ionic PFC: With reference to CEN/TS 15968 and followed by LC/MS analysis Non-ionic PFC (FTA/FTOH):	Ionic PFC: 0.0026 - 0.003 µg/L Non-ionic PFC: 0.006-0.01 µg/L


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		8:2 FTOH	Solvent extraction & derivatisation with acetic anhydride followed by GC/MS analysis}	
109	Water, waste water & sludge	Phthalates: Di(2-Ethyl Hexyl) Phthalate (DEHP) Bis(2-methoxyethyl) phthalate (DMEP) Di-N-Octyl Phthalate (DNOP) Di-Iso-Decyl Phthalate (DIDP) Di-Iso-Nonyl Phthalate (DINP) Di-N-Hexyl Phthalate (DNHP) Dibutyl Phthalate (DBP) Benzyl Butyl Phthalate (BBP) Dinonyl phthalate (DNP) Diethyl Phthalate (DEP) Di-N-Propyl Phthalate (DPRP) Di-Iso-Butyl Phthalate (DIBP) Dicyclohexyl Phthalate (DCHP) Di-Iso-Octyl Phthalate (DIOP) 1,2-Benzenedicarboxylic acid, Di-C7-11 Branched and Linear Alkyl Esters (DHNUP) 1,2-Benzenedicarboxylic acid, Di-C6-8 Branched Alkyl Esters, C7-rich (DIHP)	BD-RSTS-OR-SOP-108-01 (USEPA 8270D, ISO 18856, Solvent extraction followed by GC/MS analysis)	0.068-0.1946 µg/L
110	Water, waste water & sludge	Polycyclic Aromatic Hydrocarbons (PAHs): Benzo[a]pyrene (BaP) Anthracene Pyrene Benzo[ghi] perylene Benzo[e]pyrene Indeno[1,2,3-cd] pyrene Benzo[j]fluoranthene Benzo[b]fluoranthene Fluoranthene Benzo[k]fluoranthene	BD-RSTS-OR-SOP-106-01 (USEPA 8270, Solvent extraction followed by GC/MS analysis)	0.026-0.382 µg/L


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		Acenaphthylene Chrysene Dibenz[a,h]anthracene Benzo[a]anthracene Acenaphthene Phenanthrene Fluorene Naphthalene		
111	Water, waste water & sludge	Heavy Metals: Total Antimony (Sb) Total Arsenic (As) Total Cadmium (Cd) Total Chromium (Cr) Total Hexavalent Chromium (Cr-VI) Total Cobalt (Co) Total Copper (Cu) Total Lead (Pb) Total Mercury (Hg) Total Nickel (Ni) Total Silver (Ag) Total Zinc (Zn)	BD-RSTS-INOR-SOP-201-01 & BD-RSTS-INOR-SOP-202-01 (USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, Acid Digestion with ICP-OES analysis; Solvent extraction and derivatisation followed by UV/Vis analysis)	0.0001-0.0015 mg/l
112	Plastic, accessories, liquid & powder material	Determination of Bisphenol A, Bisphenol S, Bisphenol F and Bisphenol AF content.	STS-CHEM-239-3 (AFIRM Version 05 2020)	0.016 – 0.030 mg/kg
113	Textiles, garments, Plastic Liquid or powder material	Determination of the content of UV absorbers- 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320); 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328); 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350); Drometrizole.	RSTS-CHEM-268-1 (In house method)	2.78 - 3.50 mg/kg
114	Textiles,	Determination of Quinoline	RSTS-CHEM-267-1 (In-	



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	garments, accessories, footwear, leather, liquid & powder material.	content.	house Method)	3.7 mg/kg
115	Textiles, garments, accessories, footwear, leather, liquid & powder material.	Determination of the preservative content- o-Phenylphenol (+Salts); Permethrin; Triclosan.	RSTS-CHEM-224-2 (ISO 13365-1 :2020)	Permethrin:0.44 mg/kg Others: 0.02-0.06 mg/kg
116	Textiles, garments, accessories.	Determination of Heavy Metal- Chromium (VI) content.	GB/T 17593.3-2006	0.06 mg/kg
Field: ENVIRONMENTAL				
1	Ambient Air	Measurement of Suspended Particulate Matter (SPM) in ambient air	In-house method based on IS 5182-4 (1999)	5 µg/m ³
2	Ambient Air	Measurement of Respirable Particulate Matter (PM10) in ambient air	In-house based on IS 5182 (Part-23): 2006	5 µg/m ³
3	Ambient Air	Measurement of Sulphur dioxide in ambient air	In-house based on IS: 5182 (Part 2): 2001	5 µg/m ³
4	Ambient Air	Measurement of Nitrogen oxides in ambient air	In-house based on IS: 5182 (Part 6): 2006	5 µg/m ³
5	Stack Emission	Measurement of Suspended Particulate Matter (SPM) from stationary sources	In-house method based on IS: 11255 (Part 1) - 1985	1 mg/m ³

END



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