



An intensive training course entitled
Skills in Controlling Critical Points in the Halal Industry and its Services.
A prerequisite of Halal Lead Auditor

Halal Critical Points for Drugs, Vitamins and Cosmetics Products

Professor Mian N. Riaz
Director, Food Protein R&D Center, Graduate Faculty, Nutrition and Food
Science Department, The Texas A&M University System



The Third Gulf Conference on Halal Industry
and its Services
13-15 May, 2014
Sheraton Hotel, State of Kuwait



الدورة التدريبية المكثفة
مهارات التحكم بالنقاط الحرجة في صناعة الحلال وخدماته

النقاط الحرجة الحلال في منتجات مستحضرات التجميل،
والأدوية، والفيتامينات

أ.د. ميان محمد نديم رياض
مدير أبحاث البروتين، جامعة تكساس آيه أند أم، تامو، الولايات المتحدة
الأمريكية



The Third Gulf Conference on Halal Industry
and its Services
13-15 May, 2014
Sheraton Hotel, State of Kuwait



Halal Drugs, Vitamins and Cosmetics

- About 25-30 years ago, term Halal was not used in terminology of world pharmaceutical and cosmetic industry
- Today, it has being tremendously known as an important influential element of the industry
- Still, there are misconception and myth of the significance, rules and belief



What are Drugs?

HALAL PHARMACEUTICALS

- Any thing that is used to repair or heal the body or as preventive action against diseases
- It could be taken by mouth
- Can be taken by ear, nose
- Injected in the body
- Applied on body



What are Drugs?

HALAL PHARMACEUTICALS

- Most of these includes:
- Pain killers
- Allergy medicines
- Antibiotic
- Cough syrups
- Vaccines
- Etc



What are our Challenges?

HALAL PHARMACEUTICALS

- Majority of these medicine contain ingredients from haram sources
- Processing conditions are not according to Halal requirements
- Cross contamination with haram ingredients
- Haram processing aids



Ingredients

Dextromethorphan Hbr, Fd&C Blue No. 1, Fd&C Red No. 40, Fractionated Coconut Oil, **Gelatin**, **Glycerin**, Mannitol, Pharmaceutical Ink, Polyethylene Glycol, Povidone, Propyl Gallate, Propylene Glycol, Purified Water, Soritol, Sorbitol Anhydrides

Centrum

With Vitamin C & Selenium for Immunity.

#1 Doctor Recommended Multivitamin Brand



Dibasic Calcium Phosphate, Magnesium Oxide, Potassium Chloride, Microcrystalline Cellulose, Ascorbic Acid, (Vit. C), Ferrous Fumarate, Calcium Carbonate, **Gelatin**, dl-Alpha Tocopheryl Acetate (Vit. E). Contains less than 2% of the following: Acacia Senegal Gum, Ascorbyl Palmitate, Beta Carotene, Biotin, Boron, Butylated Hydroxytoluene, Calcium Pantothenate, Chromic Chloride, Citric Acid, Colloidal Silicon Dioxide, Croscopovidone, Cupric Acid, Cyanocobalamin (Vit. B12), Ergocalciferol (Vit. D), FD & C Yellow No. 6 Aluminum Lake, Folic Acid, Hypromellose, Lutein, Lycopene, Magnesium Stearate, Manganese Sulfate, Niacinamide, Nickelous Sulfate, Phytonadione (Vit. K), Polysorbate 80, Potassium Iodide, Potassium Sorbate, Pregelatinized Starch, Purified Water, Pyridoxine Hydrochloride (Vit. B6), Riboflavin (Vit. B2), Silicon Dioxide, Sodium Ascorbate, Sodium Benzoate, Sodium Citrate, Sodium Metavanadate, Sodium Mulybdate, Sodium Selenate, Sodium Silicoaluminate, Sorbic Acid, Stannous Chloride, Starch

100 POINTS
Redeem points for Rewards!
Wellness Rewards

Nature Made
Made with ORGANIC
Flaxseed Oil
1000 mg
Omega-3 for Heart Health
100% SOFTGELS

FUEL YOUR GREATNESS™ **Nature Made**

Flex seed oil, **Gelatin**, Glycerin, Water, & d-Alpha Tocopherol

KIRKLAND
sugar free
Children's
chewable
Complete Multivitamins with Essential Minerals
Dietary Supplement
300 TABLETS

Dicalcium Phosphate, Sorbitol, Magnesium Phosphate, Sodium Ascorbate, **Gelatin**, Ferrous Fumarate, Natural and Artificial Flavors (including fruit acids), Starch, Stearic Acid, Vitamin E Acetate, Carrageenan, Magnesium Stearate, Niacinamide, Zinc Oxide, Hydrogenated Vegetable Oil, Calcium Pantothenate, FD&C Red #40 Lake, FD&C Yellow #6 Lake, Xylitol, Aspartame* (a sweetener), FD&C Blue #2 Lake, Cupric Oxide, Pyridoxine Hydrochloride, Vitamin A Acetate, Riboflavin,

Naturally
Omega 3+
Natural and Fractionally Distilled
Dietary Supplement
Esteric Coated
100 Softgels

Other Ingredients: **Gelatin**, glycerin, medium chain triglycerides, beeswax, purified water, soy lecithin, silicon dioxide, hypromellose phthalate, polyethylene glycol, diethyl phthalate and titanium dioxide



Cod Liver Oil, **Gelatin**, Glycerine, Vitamin A (Retinyl Palmitate Prep), Antioxidant: D Alpha Tocopherol, Vitamin D (as Cholecalciferol).

Meningitis vaccine Contains enzyme Pigs

Issues related to the problem meningitis vaccine containing pig enzyme has occurred since 2006 in the Saudi Arabia to provide information that each candidate Moslems who has made a pilgrimage to Mecca is required to do the meningitis vaccine at the time and have info that the vaccine is making a catalyst with the pigs.

But at the Embassy of Saudi Arabia is also explained there is no product meningitis vaccine is free from elements pigs. States at the same time the use of vaccines in an emergency because there is no successor. Please note that at the time of Malaysia do not provide for the reaction to the vaccine that contains the elements pigs. However, because no successor has not been finally prepared to accept Malaysian government with emergency reasons.

This week MUI (Assembly scholars in Indonesia) South Sumatra Province revealed that one of the state in the United States can make a meningitis vaccine without using a catalyst containing elements pigs. However, after discussion in the office with MUI Center invite experts from the MOH and the experts - other expert information is actually a new theory. In the discussion in the office MUI Center is there an explanation from the MOH meningitis vaccine that is given to the Moslems candidate who has made a pilgrimage to Mecca does not contain elements of pigs. However, by some experts that be debated. Because even though the element does not contain pork, but because it is very difficult to be part of the abortion experts argued that the meningitis vaccine is made through culture media containing pig.

<http://to-pu.blogspot.com/2009/06/meningitis-vaccine-contains-enzyme-pigs.html>

Pork Products in MedImmune Swine Flu Vaccine

Intranasal H1N1 Vaccine with Living Virus Contains Porcine Gelatin

Oct 27, 2009 Victoria Hicks



Vegetarians, and Islamic or Jewish individuals who avoid pork products for religious reasons, should know that inhaled swine flu vaccines contain gelatin made from pigs.

The intranasal H1N1 vaccine produced by MedImmune, LLC contains a weakened strain of the swine flu virus, an antibiotic, sugar, an emulsifier, an amino acid, monosodium glutamate, and hydrolyzed porcine gelatin. Porcine gelatin, or pork gelatin, is made from the leftover parts of a pig after slaughter, and is used in many products as a stabilizer.

MedImmune Intranasal Swine Flu Vaccine

The MedImmune Intranasal Swine Flu Vaccine was approved by the U.S. Food and Drug Administration in September 2009, for adults, and children ages 2 and up.

The intranasal vaccine is intended for inhalation only, and cannot be injected. This vaccine contains a live version of the swine flu virus, which has been attenuated, or weakened, in the laboratory.

http://islamic-beliefs.suite101.com/article.cfm/pork_products_in_medimmune_swine_flu_vaccine

Muslim babies MMR jabs have traces of pork

Posted on Friday, June 27 @ 15:07:19 EDT by SweenyTod

THOUSANDS of Muslim babies in Scotland have been injected with a derivative of pork contained in a major child vaccine, The Herald can reveal.

One of the two triple measles, mumps, and rubella (MMR) vaccines used by GPs in Britain are made using porcine gelatin, which is forbidden in Islam.

Public health officials in Glasgow admitted that they had only begun informing parents in the last week.

Strict Muslims can only use medicines containing derivatives of pork in a medical emergency when there is no other option.

Muslim leaders across Scotland reacted angrily to the revelation and are demanding that Muslim parents must be warned about any medication that may contain pork derivatives to allow them to make an informed choice.

Habib Rauf, imam at the Glasgow Central Mosque, said: "I did not know it contained porcine gelatin. I have a three-year-old child who was recently given the MMR vaccine and if I had known about this I would not have let my child have the vaccination."

Generally, patients never see the full ingredients list for vaccines, although doctors will check if there are any medical conditions that lead to side-effects.

The vaccine with gelatin which is used widely in Britain is made by Aventis Pasteur, while Merck makes another vaccine containing porcine gelatin which is used widely across the world, but not in the UK. Another vaccine used in the UK is made by Pirion and is free of the material. However, usage of either one depends on availability.

Between them, Aventis Pasteur and Merck have offices in 41 countries across the world, including Arab nations such as Egypt, the Gulf and Saudi Arabia, as well as Indonesia, the world's most populous Muslim nation.

<http://www.sweenytod.com/rno/modules.php?name=News&file=article&sid=644>

INTERNATIONAL
THE NEWS

Friday, January 29, 2010, Safar 13, 1431 A.H

Group Chairman: Mr Javed Rahman Founded by: Mr Khalil-ur-Rahman

HOME | TOP STORIES | WORLD | NATIONAL | BUSINESS | SPORTS | KARACHI | LAHORE | ISLAHABAD | PESHAWAR | EDITORIAL | OPINION | 5

BACK ISSUES

WEEKLY SECTIONS

News on Sunday

Health Body & Mind

Technology

Galaxy

Tapestry

Education Zine

Cyber@print

Investor's J.

Viewers' Forum

Today's Cartoon

TOP STORIES

Vaccination row brewing in Britain

Monday, January 29, 2010

Staff Kiana

LONDON: A new controversy has surfaced in the United Kingdom after a top Muslim doctor urged the Muslims not to vaccinate their children against diseases such as measles, mumps and rubella because these contained **Haram** ingredients.

It is feared here that the fresh controversy over **haram** ingredients might put the lives of millions of Muslim children at risk around the globe. A report in the British media has claimed that in Pakistan, Nigeria, Afghanistan, and parts of India, Muslims have refused to be immunised against polio after being told that the vaccines contained products that the West has deliberately added to make the recipients infertile.

The warning from Dr Abdul Majid Katme, a psychiatrist, who has worked in the National Health Service for 15 years, has been criticised by the Health Department and the British Medical Association, saying that Dr Katme risked increasing infections ranging from flu and measles to polio and diphtheria in Muslim communities.

http://www.thenews.com.pk/top_story_detail.asp?id=5521

insulin Also found in: Encyclopedia, Wikipedia, Hutchinson

(redirected from insulin (purified pork))

Sponsored links

Diabetes HCP Information
Learn How Insulin May Help Your Appropriate Patients: HCP Only Site
RxTherapeutics.com

Pillsbury's Recipes
Free Email Newsletter, Packed with Delicious Recipes. Sign Up Today!
www.Pillsbury.com

Schwann's Texas
Meats the Family Will Love! Great Tasting Meals starting at \$5+
Schwans.com

insulin (in-su-lin) (in-'sitolin)

1. a protein hormone formed from proinsulin in the beta cells of the pancreatic islets of Langerhans. The major fuel-regulating hormone. It is secreted into the blood in response to a rise in concentration of blood glucose or amino acids. Insulin promotes the storage of glucose and the uptake of amino acids, increases protein and lipid synthesis, and inhibits lipolysis and gluconeogenesis.

2. a preparation of insulin, either of porcine or bovine origin or a recombinant form with sequence the same as or similar to that in humans, used in the treatment of **diabetes mellitus**; classified as rapid-acting, intermediate-acting, or long-acting on the basis of speed of onset and duration of activity.

3. **regular insulin**, a rapid-acting, unmodified form of insulin prepared from crystalline bovine or porcine insulin.

insulin aspart a rapid-acting analogue of **human insulin** created by recombinant DNA technology.

buffered insulin human **insulin human** buffered with phosphate; used particularly in continuous infusion pumps

extended insulin zinc suspension a long-acting insulin consisting of porcine or **human insulin** in the form of large zinc-

Insulin The precursor proinsulin is cleaved into insulin and C-peptide. (Illustration by Robert H. Smith)

<http://medical-dictionary.thefreedictionary.com/Insulin+purified+pork>

Why Halal Drugs and Vitamins?

HALAL PHARMACEUTICALS

إِنَّمَا حَرَّمَ عَلَيْكُمُ الْمَيْتَةَ وَالدَّمَ وَلَحْمَ الْخِنْزِيرِ وَمَا أُهْلَ بِهِ لِغَيْرِ اللَّهِ فَمَنْ أَضْطُرَّ غَيْرَ بَاغٍ وَلَا عَادٍ فَلَا إِثْمَ عَلَيْهِ إِنَّ اللَّهَ غَفُورٌ رَحِيمٌ

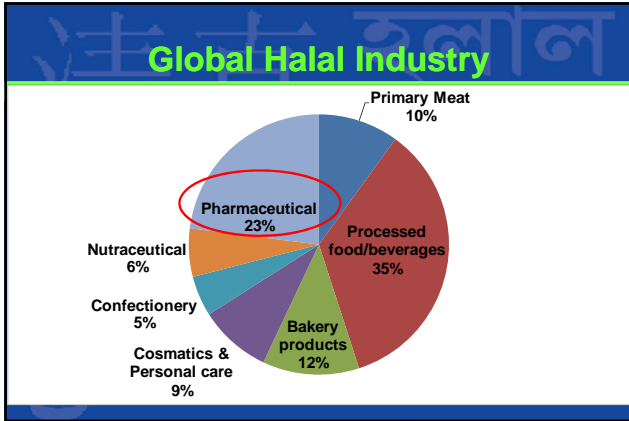
■ He hath forbidden you only carrion, and blood, and swine flesh, and that which hath been immolated to (the name of) any other than Allah

■ Al-Baqara Verse 173

Why Halal Drugs and Vitamins?

HALAL PHARMACEUTICALS

- Islam is the world's 2nd largest religion
- Predominant faith in the Middle East, North Africa, and Asia
- As economies in these regions expand, demand for healthcare general and Halal-certified pharmaceuticals in particular will rise

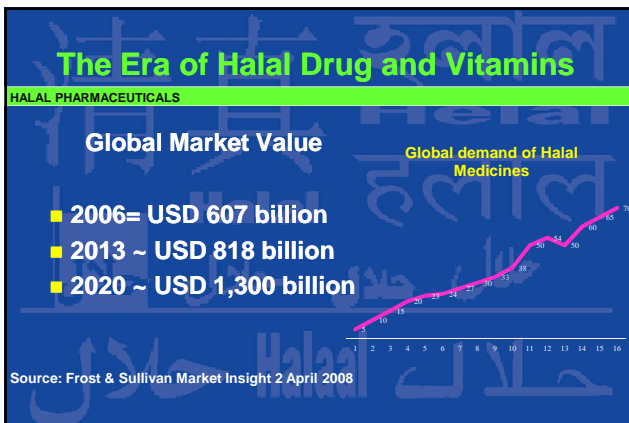


Why Halal Drugs and Vitamins?

HALAL PHARMACEUTICALS

- The total global Halal market is estimated at about \$2-3 trillion per annum
- The Halal pharmaceuticals (*herbal, traditional medicine and healthcare*) market stands of \$500 billion

<http://www.halaljournal.com/article/4103/brunei-first-to-establish-halal-pharma-guidelines>



Halal Drugs and Vitamins Industry

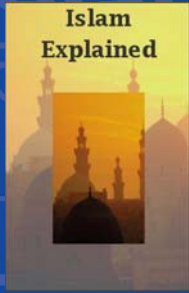
HALAL PHARMACEUTICALS

Medicines are constantly in demand regardless of economic conditions

Halal Drugs and Vitamins Concept

HALAL PHARMACEUTICALS

- **Drugs and Vitamins products are only Halal if**
- Ingredients are Halal
- Processing aids are Halal
- Packaging is Halal
- Supply chain is according to Islamic law
- Processing facility is fulfilling Halal requirements



Source of Ingredients????

HALAL PHARMACEUTICALS

Capsules

Hormones

Vaccines



What is the source of these gelatin capsules??

What is the source for drugs, vaccines, hormones?

Prohibitions and Restrictions



Guidelines for Halal Pharmaceutical Products

Pharmaceutical Products
Chemical based, Animal by-products

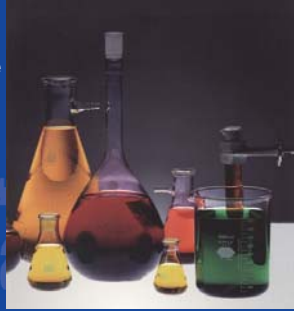
Active ingredients
Pharmaceutical excipients:
Non-pig, animal slaughtered according to **Shariah**
Plant and vegetable based



Most Common Ingredients which need CCP

HALAL PHARMACEUTICALS

1. Gelatin
2. Lactose Monohydrate
3. Microcrystalline cellulose
4. Magnesium stearate
5. Colloidal silicon dioxide
6. Sodium starch glycolate
7. Corn starch
8. Croscarmellose sodium
9. Citric acid
10. Sodium citrate
11. Propylene glycol



Gelatin

HALAL PHARMACEUTICALS

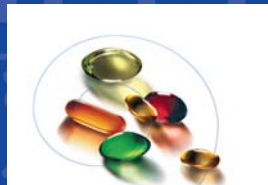
One of the most important ingredients

- Binders
- Thickener
- Glazing agent
- Encapsulation
- For efficient delivery
- For making capsules



Pharmaceutical Applications

- Hard Gelatin Capsules
- Soft Gelatin Capsules
- Tableting
- Blood Plasma Expander



Collagen Peptide; (Gelatin Hydrolysate)

HALAL PHARMACEUTICALS

- Reduce joint pains in Osteo-arthritis patients
- Improves mobility in joints
- Promotes growth of hair and nails
- Keeps us healthy
- Reduce wrinkles
- Improves skin texture
- Act a moisturizer in creams

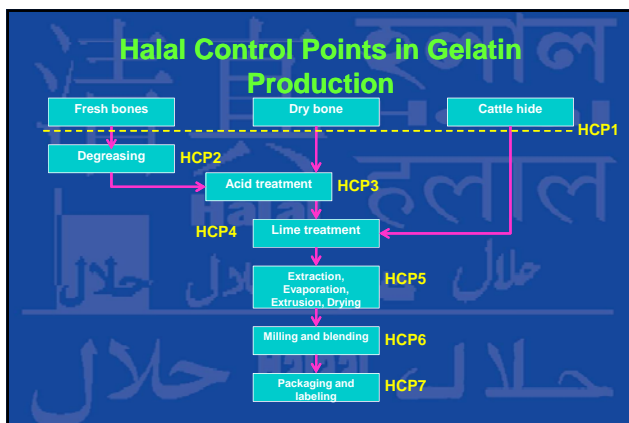






Sources of Gelatin

- Bovine Bone
- Bovine Hide
- **Pork Skin**
- Others
 - Pig Bone
 - Fish scale



Halal Gelatin Market

- 10% of the gelatin produced in the world is deemed Halal
- 43% of world production of gelatin use pig skin
- 29% use bovine hides
- 25% source material is from bones
- 70% of Gelatin is made in western world

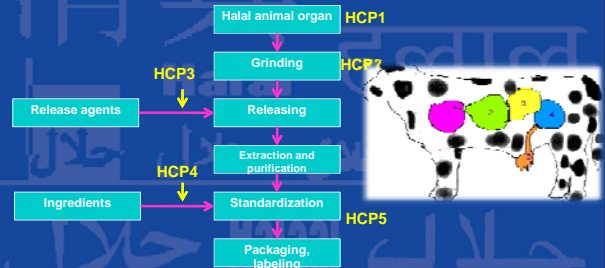
Biopharmaceutical Products

HALAL PHARMACEUTICALS

- Enzymes
- Hormones
- Amino acids
- Proteins (from different biological origins)



HCPs for a conventional process for extracting enzymes from animal organs



Pig's Role in Pharmaceutical Industry

Sustainable Swine Resources believes that mother earth has provided us with one of her most valuable resources, the pig. Because of this, it is our responsibility to drive the greatest value we can for the animals harvested.



Pig's Role in Pharmaceutical Industry



Sustainable Swine Resources

HUMAN HEALTH



Co-product Options

- Heart
- Kidney
- Liver
- Lung
- Ovaries
- Pancreas
- Spleen
- Thyroid
- Trachea

Did you know...

Products from the pig such as the pancreas, spleen, thyroid, trachea and kidney are further processed into supplements for both human and animal consumption.



Pig's Role in Pharmaceutical Industry



MEDICAL



DID YOU KNOW...
Over 40 pharmaceuticals and medicines are derived from pig co-products.

Pig's Role in Pharmaceutical Industry



Two very important sectors that co-products from the pig are used in are pharmaceutical and medical devices.

Did you know...
Various tissues from the pig are further processed to create a finished product that is used for wound closure applications throughout the human body.


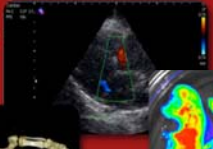
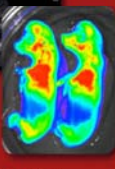



▼ Co-product Options

- Blood
- Eyeball
- Fetal Pig
- Heart
- Heart Valve
- Kidney
- Liver
- Lung
- Pancreas
- Placenta
- Pericardial
- Ovaries
- Small Intestine
- Small Intestine Casing
- Spleen
- Stomach Lining
- Thyroid
- Trachea

SWINE IN BIOMEDICAL RESEARCH 2014

INTERNATIONAL CONFERENCE



The goal of the conference together individuals who are using and utilizing swine as a model for studying human health and This conference focuses on swine models and as a premier meeting for investigators who use and/or develop these models for biomedical research.

July 6-8, 2014. Raleigh, NC

Creative Marketing Connexion

Home
Newsletter
Contact Us
About Us
Log In
Shopping Cart

Categories

- Moving Rubber
- Hair Wax
- Shampoo
- Hair Colour

Halal Products

Halal Products

[My Account](#) | [Shopping Cart](#)

Home > Variety Last Update: Sun Oct 17, 2010 02:26 am (KSA) 11:26 pm (GMT)

New make-up line has no alcohol or pig-residue

Muslim women get "halal" cosmetics


Saturday, 12 September 2009

Related News

- Islamic countries aim for "halal" vaccines
- iPhone helps US Muslims eat halal on-the-go

Al Arabiya Latest News

- Two packages explode at US state offices
- [FACTBOX] Sudan... Africa's largest state
- Sudan's Bashir & Kir, the 2 faces of a divided nation
- Jordan's Prince Ali wins FIFA vice-presidency
- Israelis bribed to admit US goods to Gaza - WikiLeaks



Products tagged as halal are becoming increasingly popular among devout Muslims (File)

[Print](#) [Share](#) [Email](#) [Facebook](#) [Twitter](#)

Home > Fashion Store > Beauty > MyDish Recipe Finder

Animal and alcohol-free make-up launched in the UK to meet demand for halal cosmetics

Islamic beauty: Can halal cosmetics outgrow their niche?

By DAILY MAIL REPORTER
Last updated at 12:14 PM on 22nd July 2010

[Comments \(23\)](#) [Add to My Stories](#)

Halal meat for Muslims has been readily available in the UK for years, but now a business woman has gone a step further by launching a range of halal make-up.

The cosmetics - which includes everything from lipstick to eyeliner and blusher - are made in strict accordance with Islamic law, using plant extracts and minerals instead of alcohol and animal products.


Samina Akhtar says she set up Samina Pure Make-up because she felt uneasy praying while wearing non-halal make-up.



A Halal certified stamp lies on a make-up table in Birmingham, central England, July 28, 2010. Credit: Reuters/Corbis Sygma/Outline

By Marina Fuchs

Prayer and cosmetics containing pork don't mix, says Canadian Muslim convert



"Alcohol Free" Explained...

HALAL COSMETICS

- Many alcohol-free skincare products would appear to non-scientists to actually contain alcohols, such as **PHENOXYETHANOL**, **CETYL ALCOHOL**, **BENZYL ALCOHOL**
- PHENOXYETHANOL** sounds like an alcohol, it is actually a glycol ether, and has different properties to alcohols. It is a thick liquid
- CETYL ALCOHOL** is a hard wax like substance obtained from Palm Oil
- BENZYL ALCOHOL** is a natural constituent of many essential oils including Jasmine and Ylang Ylang



Partial List of Potentially Questionable Ingredients

Oleic Acid

- Oleic acid is a fatty acid that occurs naturally in various **animal** and vegetable fats and oils
- It is an odorless, colorless oil, although commercial samples may be yellowish
- It is found in moisturizers and cosmetics

Pamolyn™ 100FGK—High-purity oleic acid for food and cosmetics applications

Partial List of Potentially Questionable Ingredients

Allantoin

- It is present in botanical extracts of the comfrey plant and in the **urine of most mammals**
- It is frequently present in toothpaste, mouthwash, and other oral hygiene products, in shampoos, lipsticks, anti-acne products, sun care products, clarifying lotions, moisturizers, toner, after shave, cosmetic lotions and cream



About Allantoin

Please note that natural Allantoin is found in the leaves of the comfrey plant and in the urine of most mammals. However, commercial allantoin is usually produced synthetically.

Allantoin is a synthetic free-flowing powder (naturally occurring in comfrey) widely used in cosmetic, dermatological and pharmaceutical formulations for its soothing and anti-irritating properties.

Allantoin helps to heal wounds and skin irritations, and stimulate growth of healthy tissue even at low concentrations. This extract can be found in anti-acne products, sun care products, and clarifying lotions because of its ability to help heal minor wounds and promote healthy skin.

The keratolytic effect and abrasive and astringent properties of allantoin are used in skin softening cosmetic preparations.

Allantoin has been classified by the FDA as an Over-The-Counter (OTC) Category I (safe and effective) active ingredient skin protectant. It is FDA approved for this use at 0.5% to 2.0% in formulations.

Cosmeceutical Critique: Allantoin

Baumann LS., Skin & Allergy News- 2003 06 (Vol. 34, Issue 6)

Partial List of Potentially Questionable Ingredients

Collagen

- It is the main structural protein of the various connective tissues in **animals**
- Collagen is found in moisturizers, creams, and several other cosmetics
- Also used in cosmetic surgery



Partial List of Potentially Questionable Ingredients

Collagen

- It is a naturally occurring substance found in the skin, muscle, bones and tendons of cows



Partial List of Potentially Questionable Ingredients

Keratin

- Keratin is the key structural material making up the outer layer of human skin
- Hydrolyzed keratin has become a common cosmetic ingredient
- Keratin can be found in the hooves of **animals**
- It can be scrapped off or boiled down and used in a variety of products



Partial List of Potentially Questionable Ingredients

Keratin

- Topical application of hydrolyzed keratin gives significant increases in skin elasticity and hydration
- Due to its moisturizing properties, hydrolyzed keratin has also been incorporated into shampoo, conditioner and moisturizers



Partial List of Potentially Questionable Ingredients

Keratin



A cow's skin, fur, nails, hooves, horns, and teeth all contain keratin

Partial List of Potentially Questionable Ingredients

Palmitic Acid

- It is the most common fatty acid (saturated) found in **animals**, plants and microorganisms
- It is found in moisturizers and other cosmetics



Partial List of Potentially Questionable Ingredients

Gelatin

- It is a translucent, colorless, brittle (when dry), flavorless solid substance
- It is derived from collagen obtained from various **animal** by-products
- It is found in moisturizers, nail polis remover, cosmetics



Partial List of Potentially Questionable Ingredients

Stearic Acid

- It occurs in many **animal** and vegetable fats and oils
- It is more abundant in animal fat than vegetable fat
- Used in soaps, shampoo and shaving cream

What else can we say?
It's just that good.

Dove does not dry your skin like ordinary soap

INGREDIENTS: SODIUM LAUROYL ISETHIONATE, STEARIC ACID, SODIUM TALLOWATE OR SODIUM PALMITATE, LAURIC ACID, SODIUM ISETHIONATE, WATER, SODIUM STEARATE, COCAMIDOPROPYL BETAINE OR SODIUM C14-C16 OLEFIN SULFONATE, SODIUM COCOATE OR SODIUM PALM KERNELATE, FRAGRANCE, SODIUM CHLORIDE, TETRASODIUM EDTA, TETRASODIUM ETIDRONATE, TITANIUM DIOXIDE.

MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 6,121,216 AND 6,214,780

Partial List of Potentially Questionable Ingredients

Stearyl alcohol

- Stearyl alcohol is classified as a fatty alcohol
- It has a wide range of uses as an ingredient in perfumes and cosmetics
- It is used as an emollient and thickener in ointments
- It is widely used as a hair coating in shampoos and hair conditioners

INGREDIENTS/INGRÉDIENTS/INGREDIENTES: WATER/EAU, GLYCERIN, CETYL PALMITATE, CETYL ALCOHOL, CYCLOPENTASILOXANE, STEARYL ALCOHOL, ISOPROPYL PALMITATE, DIMETHICONE, CARBOMER, PEG-100 STEARATE, STEARIC ACID, SODIUM HYDROXIDE, DIMETHYLHYDANTOIN, KODOPROPYNYL BUTYL CARBAMATE, EDTA, PEG-PPG-18/18 DIMETHICONE, FRAGRANCE/PARFUM, TITANIUM DIOXIDE, RED 4.

Questions?/Preguntas?
1-800-285-5170

www.olay.com

Distr. by/par/por

PROCTER & GAMBLE, CINCINNATI, OH 45202

Imported for/Importe pour/Importado para

PROCTER & GAMBLE INC., TORONTO, ON M5W 1C5

09865488

Partial List of Potentially Questionable Ingredients

Glycerin/Glycerol

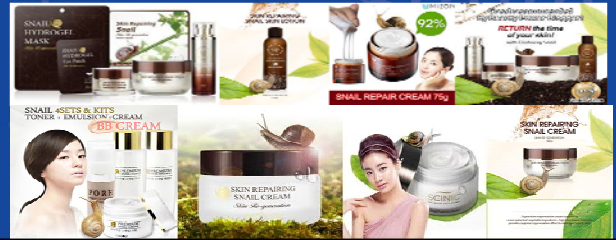
- Glycerin also called glycerol or glycerin, is an odorless chemical used as an additive in many cosmetics
- One source of glycerin is a byproduct of **animal fat**
- It is found in moisturizers, cleansers and after shave



Partial List of Potentially Questionable Ingredients

Snail Slime

- It is a kind of mucus, an external bodily secretion which is produced by **snails**
- Snail slime is used in cream, lotion and cosmetics



amazon.com

Search: small cream

1-16 of 4,143 results for "small cream"

<p>Andes Nature Cosmetic Snail Extract Cream by Andes Nature</p> <p>\$10.75</p> <p>More Buying Choices \$5.00 (6 offers)</p> <p>Product Features: Small bottles</p> <p>Beauty: See all 1,966 items</p>	<p>MISSHA Super Aqua Cell Renew Snail Cream + Sleeping mask by MISSHA</p> <p>Save on this item: Expires next 9 to 10 Monday, May 6</p> <p>More Buying Choices \$35.99 (1 offers)</p> <p>FREE Shipping</p> <p>Beauty: See all 1,966 items</p>
<p>Celtone Snail Gel 1.41 oz by Celtone</p> <p>Save on \$10.28</p> <p>Only 10 left in stock - order soon</p> <p>More Buying Choices \$9.97 (10 offers)</p> <p>Product Features: CELTONE SNAIL CREAM also contains an natural tea oil</p> <p>Health & Personal Care: See all 1,402 items</p>	<p>Anti-aging Snail Cream, Crema De Caracol, by Betta Eterna</p> <p>Save on \$16.99 (1 offers)</p> <p>Product Features: 100% Natural</p> <p>Beauty: See all 1,966 items</p>

MailOnline

Home | U.K. Home | News | Sports | U.S. Showbiz | **Female** | Health | Science | Money | Video | Travel | Columnists

Is snail slime the next big thing in skincare? How collagen-enhancing mucus is set to be a super-ingredient in mainstream cosmetics

By REUTERS

Partial List of Potentially Questionable Ingredients

Turtle Oil

- The oil derived from the muscles and genital glands of the giant sea turtle; melts at 25°C; used in cosmetics



Partial List of Potentially Questionable Ingredients

Placenta

- It is derived from the uterus of **animals**
- Animal placenta is widely used in skin creams, shampoos, masks, etc



Selection of Raw Materials – Critical Control Points

HALAL COSMETICS

- Free from ethanol (khamr)
- Free from non-halal animal derivatives
- Free from animal and human derivatives
- Natural emollients/moisturizers (botanical only)



Summarizing Halal Criteria for Cosmetics

HALAL COSMETICS

- Free from animal flesh, fats, gelatin, etc
- Free from alcohols
- Separation of Halal raw materials and finished products from non-Halal
- No cross contamination during the production process
- Packaging must not contain non-Halal products (e.g animal glue)



