PROFITABLE SMALL SCALE MANUFACTURE OF COSMETICS (SYNTHETIC & HERBAL)


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DRUGS AND COSMETICS ACTS AND RULES

The Drugs and Cosmetics Act of 1940
The Drugs and Cosmetics Act Prohibits Import of
The Drugs and Cosmetics Rule of 1945
The main Drug rules framed by the Union Government
Labelling of Drugs
Biological or Other Special Products
Standards
The Drugs and Cosmetics (Amendment) Act of 1964
The Drugs and Cosmetics (Amendment) Act of 1972
The Drugs and Cosmetics (Amendment) Act of 1982
The Drugs and Cosmetics (Amendment) Act of 1986
Manufacture, Sale and Distribution of (Drugs and Cosmetics)
Standards of quality
Comments
Misbranded drugs
Adulterated drugs
Spurious drugs
Misbranded cosmetics
Spurious cosmetics
Prohibition to manufacture and sale of certain drugs and cosmetics
Comments
Disclosure of the name of the manufacturer etc
Comments
Maintenance of records and furnishing of information
Pleas
Comments
Government Analysis

MOST COMMONLY USED COSMETICS RAW MATERIALS

Water
Purification of Water
Ion-exchange Systems
Distillation
Reverse Osmosis
Microbiological Purification
Chemical Treatment
Heat Treatment
UV Radiation
Filtration
Preservatives
Anti Microbial Agents
Guidelines for Selecting Preservatives
Anti-Oxidants
Classification of Antioxidants
Choice of Antioxidant
UV -Absorbers
Humectants
Types of Humectants
Inorganic Humectants
Metal Organic Humectants
Organic Humectants
Surfactants
Classification of Surfactants
Anionic Surfactants
Cationic Surfactants
A Nitrogenous Surfactants
Non-ionic Surfactants
Ampholytic Surfactants
Group General formula
Properties of Surfactants
Uses of Surfactants
Emulsifying Agents
Anionics
Cationics
Non-ionics
Foaming and Cleansing Agents
Anionics
Cationics
Non-ionics
Amphoteric
Wetting Agents
Solubilization
Oils, Fats and Waxes
Oils
Vegetable Oils
Almond Oil
Arachis (Ground nut) oil
Castor Oil
Olive Oil
Coconut Oil
Mineral Oils
Light Liquid Paraffin
Heavy Liquid Paraffin
Fats
Fatty Acids
Fatty Alcohols
Fatty Acid Esters
Lanolin and its Derivatives
Soft Paraffins
Waxes
Bees Wax
Spermaceti
Paraffin Wax
Ceresin and Ozokerite Wax
Carnauba Wax
Perfumes
History
Natural Perfumes
Steam Distillation
Solvent Extraction
Expression
Aroma Chemicals
Base Compounds
Floral base
Woody base
Chypre base
Citrus base
Green base
Oriental base
Fruity base
Spice base
Oriental base
Animal base
Other base compounds
Compounding or Blending or Perfume
Colours
Natural Colours
Inorganic Colours
Coaltar Colours
silicones
Some Functional Raw Materials
Vitamins
Amino Acids
Anti inflammatory Agents
Miscellaneous Functional Materials
Herbal or Plant Materials
Commonly Used Materials
Almond
Apricot
Avocado
Azadirachta (Neem)
Cabbage
Camomile
Carrots
Comfrey
Common Basil (Tulsi)
Cornflower
Cucumber
Dandelion
E.Alba (Bhringaraja)
Elderflower
Eucalyptus
Fennel
Fenugreek
Garlic
Geranium
Henna
Indian Gooseberry (Amla)
Indian Nard (Jatamansi)
Jasmine
Lady's Mantle
Lavender
Lemon
Lime
Marigold
Marsh Mallow
Nutmeg
Orange blossom
Parsley
Peach
Rose
Rosemary
Safflower
Sage
Sandal
S. Racemosa (Lodhra)
Tea Tree Oil
Thyme
Turmeric
Wheatgerm
Witch Hazel
How to use herbs
Infusions
Decoctions
Extracts and Tinctures
Flower Waters
Oil Soluble Extracts

HARI STRUCTURE AND ITS CHEMISTRY

Reduced hair follicle function due to male hormones
Reduction in metabolic functions of hair follicles and hair bulbs
Reduction in scalp physiological function
Local impairment of circulation due to tension in the scalp

HAIR SHAMPOOS

Raw Materials for Shampoos
Surfactants
Anionic Surfactants
Alkyl benzene sulphonates
Alpha olefin sulphonates
Alkyl sulfates
Alkyl polyethlene glycol sulphates (Alkyl ether sulphate)
Sulphosuccinates
Acyl lactylates
Acylsarcosinates
Aeylpeptides
Non-ionic surfactants
Fatty acid alkanolamides
Polyakoxylated Derivatives
Amine oxides
Amphoteric Surfactants
N-alkyl aminoacids
Betains
Additives
Conditioning Agents
Viscosity Modifiers
Opacifying and Clarifying Agents
Sequesting Agents
Preservatives
Perfumes
Formulation
Powder Shampoos
Liquid Shampoos
Liquid Cream or Lotion Shampoos
Cream Shampoos
Jelly Shampoos
Aerosol Shampoos
Some Special Shampoos
Anti dandruff shampoos
Conditioning Shampoos
Manufacture of Shampoos
Manufacture of Powder Shampoos
Manufacture of Liquid/Cream Shampoos
Make your own shampoos
Method of Preparation

HAIR TONICS AND CONDITIONERS

Formulation
Medicated Products
Conditioners
Anti seborrheic Preparations
Manufacture of Hair Tonics and Conditioners

HAIR WAVE SETS, LACQUERS AND RINSES

Wave-sets
Hair Lacquers
Hair Rinses
Procedure

HAIR GROOMING PREPARATIONS

Method of Preparation
Water in Oil Emulsions
Hair Foam
Method of Preparation
Manufacture of Hair Grooming Preparations
Brilliantines
Alcoholic Solutions
Two Layer Lotions
O/W and W/O Emulsions

PERMANENT HAIR WAVING PREPARATIONS AND HAIR STRAIGHTENERS

Heat Waving Preparations
Cold Waving Preparations
Procedure for use
Manufacture of Cold Waving Lotions
Hair Straighteners
Method of Preparation
Manufacture of Hair Straighteners

HAIR BLEACHERS AND HAIR COLOURANTS

Bleaching Agents
Manufacture of Hair Bleaches
Hair Colourants
Temporary Hair Colourants
Method of Preparation
Semi Permanent Hair Colourants

DEPILATORIES

Epilatories
Manufacture of Epilatories
Depilatories
Method of Preparation
Manufacture of Depilatories

SHAVING SOAPS AND CREAMS

Shaving Soaps
Manufacture of Shaving Soaps
Lather Shaving Cream
Formulation
Manufacture of Lather Shaving Creams
Brushless Shaving Creams
Formulation
Manufacture of Brushless Shaving Creams
Other Shaving Preparations
Aerosol Shaving Lathers
Pre electric Shave Preparations
Method of preparation

SKIN CREAMS AND LOTIONS

Formulation
Cleansing Creams and Lotions
Night and Massage Creams
Vanishing and Foundation Creams
Hand Creams and Lotions
All Purpose Creams
Moisturizing Creams and Lotions
Skin Creams with Some Special Ingredients
Gets
Oily Gets

SUNTAN AND ANTI SUNBURN PREPARATIONS

Sunscreens
Formulation
Method of Preparation
Manufacture

SKIN BLEACH CREAMS

Skin Bleaching Agents
Formulation
Method of preparation
ASTRINGENTS AND SKIN TONICS
Astringent Materials
- Metal salts of inorganic/organic acids
- Organic acids
- Alcohols
Formulations
Skin Toners
Skin Tonics
Manufacture

ANTIPERSPIRANTS AND DEODORANTS
Antiperspirant Ingredients
Formulation
Antiperspirants
- Liquid Antiperspirants
- Cream Antiperspirants
- Lotion antiperspirants
- Antiperspirant Sticks
- Anti perspirant Powders
Deodorants
- Deodorant Liquids
- Deodorant Creams
- Deodorant Sticks
Method of Preparation
Deodorant Powder
Deodorant soaps
Manufacture

FACE POWDERS AND OTHER COLOURED MAKE UP PREPARATIONS
Face Powders
General
Raw Materials
Covering powder
Absorbency
Slip
Adhesion
Bloom
Colour
Formulation
Compact Powders
Formulation
Liquid Rouges
Cream Rouges
Solid oil and wax rouges
Manufacture
General Method of Manufacture of Pigmented Powders
Foundation Make up
Method of Preparation
BODY POWDERS (TALCUM POWDERS)

Formulation
Method of preparation
Manufacture

FACE PACKS AND MASKS

Formulation
Wax Based Formulations
Rubber Based Formulations
Vinyl Resins Based Formulations
Hydrocolloids Based Formulations
Earths based Formulations
Manufacture of Face Packs/Masks

NAIL LACQUERS AND REMOVERS

Film Formers
Resins
Solvents
Pigments
Suspending Agents
Formulations
Manufacture on Nail Lacquers or Enamels
Grinding of Pigments
Manufacture of Nail Lacquer
Mixing of Pigments with Lacquer
Safety Aspects
Manufacture of Enamel Removers

TOOTHPASTES

General
Formulation
Abrasives
Precipitated Chalk
Calcium Phosphates
Other Phosphates
Hydrated alumina
Detergents and other foaming materials
Sodium Lauryl Sulphate
Sodium Lauryl Sarcosinate
Sodium Lauryl Sulphoacetate
Humectants
Binding Agens
Carboxymethyl Cellulose
(CMC) and Sodium
Carboxymethyl Cellulose (SCMC)
Cellulose ethers
Synthetic Resins
Sweetening and Flavouring Agents
Miscellaneous Agents
Method of Preparation
Manufacture of Tooth Pastes

TOOTH POWDERS

Formulation
Manufacture of Tooth Powders

MOUTHWASHES

General
Formulation

HAIR OILS & HAIR LOTIONS

Herbal Hair Oils
Herbal Hair Oil Extract
Efficacy of Herbal Hair Oils
Typical Formulation & Procedures for hair Oil
Addition of scents
Colouring Hair Oils
Packaging
Herbal Hair Dyes
Henna Hair Dye
Procedure
Saffron Hair Dye
Walnut Hair Dye

PRESERVATION OF COSMETICS

Antioxidants
Factors for Detenoration of Cosmetics
Presence of Molds
Pencillium
Aspergilus
Rhizopus and Mucor
Rhizopus nigricons
Mucor Mucdo
Botrytis cincrea
Alternaria
Stemphylium
Cladosporium
Yeasts
Bacteria
Factors Influencing the Growth of Microorganisms
Growth Factors
Moisture Content
pH
Temperature
Oxygen
Other Ingredients

PLANT AND EQUIPMENT FOR HERBAL COSMETICS MANUFACTURE

Heating Equipment
Immersion Heaters
Jacketed/non-jacked kettles
Grinders/Micro Pulverisers
Sieving & Grading Equipment
Dry-Mixing Equipment
Wet mixing Equipment
Homogenizing Equipment
Emulsification Equipment
Preparation of cosmetic emulsions
Ingredients
Some oil phase ingredients
Method of preparation
Control of the thickness of emulsions
Cause of failure of emulsion preparations
Emulsification process for preparation of herbal creams
Straining, Filtering & Clarifying
Filing liquids
Filling Pastes-Creams
Labelling Equipment

PACKAGING OF HERBAL COSMETICS

Determining Factors for Packaging
Technical Factors
Aesthetic Factors
Cost Factors
Technical Factors
Chemical Compatibility
Physical compatibility
Retention of volatiles
Leak Proof Caps
Tamper proof Seal
Transport Hazards
Aesthetic Factors
Presentability/Appearance
Packaging Design Technicalities
Packaging Design Practicability
Packaging Design Standard Weights and Measures for Packaged Rules Commodities Act and (SWAMPA

Rules)
Cost Factors
Packaging Materials Commonly Use for Cosmetics

MISCELLANEOUS FORMULAE

Peroxide Gel Dentifrice
High Lather Cream

**INDIGENOUS MATERIALS & TECHNOLOGIES FOR HERBAL COSMETICS**

Natural Waxes
Spermacetic
Creams
Vehicles/Bases
Antiwrinkles Herbs
Recent Herbal Applications
Unpasteurized Aloe Vera Living juice
Biogenic Applications Rejuvenator
Quality Control Physical (Creams)
Challenges to Indian Scientists in Post Gatt Era
Suggestions

**PRESENT MANUFACTURING OF COSMETICS PRODUCTS**

**SUPPLIERS OF PLANT AND EQUIPMENTS**

**COSMETICS CONSULTANTS**

**RAW MATERIALS AND CHEMICALS MANUFACTURERS/SUPPLIERS**

**MANUFACTURERS/RAW MATERIALS SUPPLIERS OF HERBS/PLANTS AND THEIR EXTRACTS**