Cosmetics products are created for application on the body for the purpose of cleansing, beautifying or altering appearance and enhancing attractive features. It is not similar like medicines in addition to it cannot be used to modify the physique function or performance. The cosmetic Industry has witnessed rapid growth over the last couple of decades. Now a day the range of cosmetic and beauty products has widened tremendously. The use of cosmetics has increased exponentially not only among in females but the male population also indulges in their use. A wide range of chemical and natural materials is used in the formulation of cosmetic and toiletry preparations. Cosmetics like creams, gels, face powder, eye makeup, shaving cream, and colognes are used on a daily basis by both women and men. The Indian cosmetic Industry has witnessed rapid growth over the last couple of decades. In that time the range of cosmetic and beauty products in India has widened tremendously. Beauty products manufacturers in India mostly cater to the great demand for cosmetics and toiletries that fall into the low or medium price categories as the greatest demand in India has always been for these economically priced products. Bearing a long glowing heritage of cosmetic and beauty, aesthetic makeup products is being used since olden days and nowadays it appear like a booming economy in India which would be the largest cosmetic consuming country in a next few decades. While the demand of beautifying substances are growing day by day, a large number of local as well as international manufacturers gradually extend their ranges and products in different provinces of India. Industry sources estimate a rapid growth rate of 20% per annum.

Some of the fundamentals of the book are regulation of cosmetic products, the relationship of cosmetic products to drugs, preservation of cosmetics, factors affecting preservation, organisms found in cosmetics, antiperspirants and deodorants, cleansing creams and lotions, baby toiletries, face powder manufacturing process, aerosol cosmetics, shaving preparations: soaps, creams, oils, and lotions, advantages and disadvantages of natural dyes, packaging cosmetic preparations, etc.

The book covers formulae, manufacturing processes of various types of cosmetics like antiperspirants and deodorants, cleaning creams, lotions, emollient creams, baby toiletries, face powder, eye makeup and many more along with testing methods. This book will be great asset to new entrepreneurs, existing units, technocrats and technical institutions.
4. Raw Materials
Introduction
Basic Surfactants
Alkyl Ether Sulfates
Alkyl Sulfates
a-Olefin Sulfonates
Other Basic Surfactants
Mild Anionic Surfactants
Sulfosuccinates
Cocoyl Isethionates
Acyl Amides
Alkyl Ether Carboxylates
Magnesium Surfactants
Alkyl Ether Carboxylates
Magnesium Surfactants
Alkyl Phosphates
Amphoteric Surfactants
Alkyl Betaines
Alkylamido Betaines
Acylamphoglycinates and Acylamphopropionates
Amine Oxides
Non-ionic Surfactants
Ethoxylates Products
Alkyl Polyglycosides
Cationic Surfactants
Monoalkyl Quaternaries
Dialkyl Quaternaries
Trialkyl Quaternaries
Benzyl Quaternaries
Ester Quaternaries
Ethoxylated Quaternaries
Shampoo and Bath Additives
Thickeners
Foam Stabilizers
Pearlescent Agents
Conditioning Agents
Emollients
Sequestering Agents
Oil Components
Mineral Oil
Natural Oils
Triglycerides
Jojoba Oil
Synthetic Oils
Isopropyl Esters
Ethylhexyl Esters
Oleic Acid Esters
Caprylic / Capric Acid Esters
Isocetyl Stearate
Octyldodecanal
N-Butyl Stearate
Diisopropyl Adipate
5. Preservation of Cosmetics
Factors Affecting Preservation
Organisms Found in Cosmetics
Molds
Yeasts
Bacteria
Factors Influencing the Growth of Microorganisms
Minerals
Growth Factors
Moisture Content
pH
Temperature
Oxygen
Other Ingredients
Factors Affecting the Action of Preservatives in Cosmetics
Concentration
Solubility Relationships
pH
Surface-Active Agents
The Interference of Nonionic Emulsifiers with Preservatives
Suitability of Substrate for Growth of Organisms
Amount of Inoculum
Synergism or Antagonism with Other Compounds
Evaluation of Preservatives for Cosmetics
Methods of Testing Antimicrobial Agents
Choice of Organism
Practical Tests
Preservatives
Organic Acids
Alcohols
Aldehydes
Essential Oils
Phenolic Compounds
Esters of p-Hydroxybenzoic Acid
o-Phenylphenol
Mercury Compounds
Surface-Active Agents
Miscellaneous Nitrogen Compounds
Polyols
Miscellaneous Antimicrobials
Mechanism of Preservative Action
Allergic Response to Preservatives and Antimicrobials
Photosensitization
Manufacturing
Prevention of Microbial Contamination
Deionizer Contamination
Filter Contamination
Raw Material Contamination
Sanitation
Microbial Corrosion
Emulsion Preservation
Preservation of Shampoos
Chelation
Antioxidants
Rancidity
Mechanism of Action
Classification of Antioxidants
Considerations for Use of Antioxidants

6. Antiperspirants and Deodorants
   Introduction
   Regulations
   Mechanism of Sweating
   Antiperspirant Active Properties
   Basic Aluminum Chloride
   Aluminum Zirconium Complexes
   Clinical Assessment
   Formulary Considerations
   Performance
   Cost
   Esthetics
   Formulations
   Roll-on Products
   Stick Products
   Spray Products
   Deodorants
   Odor Control
   Clinical Assessment
   Formulations

7. Cleansing Creams And Lotions
   Properties Sought
   History
   Types of Cleansing Cream
   Beeswax-Borax Emulsion Type
   Basic Materials
   Liquefying Cleansing Creams
   Miscellaneous Emulsion Types
   Sorbitan Fatty Acid Ester Emulsions
   Acid-Containing Cleansing Creams
   Detergent Cleansing Creams
   Antibacterial Cleansing Preparations
   Cleansing Lotions
   Cleansing Preparations for Oily Skin
Consideration of Safety
Equipment and Manufacturing

8. Emollient Creams And Lotions
  Theoretical Aspects of Emollience
  Emollient Materials
  Emollient Evaluation
  Emulsion Types
  Penetration
  Formulations
  Emollient Creams
  Raw Materials
  Glyceryl Monostearate (from â€œTriple-Pressedâ€ Stearic Acid)
  Polyethylene Glycol Fatty Acid Esters
  Stearic Acid
  Beeswax
  Fatty Alcohols
  Lanolin
  Hydrocarbon Waxes
  Manufacturing Procedure
  Emollient Lotions
  Specialized Creams and Lotions
  Eye Creams
  All-Purpose Creams
  Therapeutic Creams

9. Baby Toiletries
  Epidermal Physiology
  Skin Care of the Newborn
  Baby Oils
  Baby Lotions
  Cationic Lotions
  Care of the Diaper Area
  Diaper Rash
  Cationic Ointments
  Baby Oils
  Baby Lotions
  Baby Creams
  Soap
  Baby Powders
  Diaper Laundering
  Disposable Diapers
  Infantile Eczema
  Care of the Hair and Scalp
  Formulation
  Raw Materials
  Baby Oils
  Baby Lotions
  Baby Creams
  Baby Powders
  Literature

10. Face Powders
Loose Face Powder
Raw Materials
Formulations
Compact Face Powder
Raw Materials, Binding Agents, and Preservatives
Binding Agents
Compression Methods
Face Powder Manufacturing Process
Base Powder Preparation
Color Extenders
Combination: Base Powder and Color Extenders
Mills
Pressing Machines and Pressure Considerations
Packaging
Quality Control and Laboratory Practices
Shade Control and Lighting
Dispersion of Color
Pay off
Pressure Testing
Breakage Test

11. Eye Makeup
Raw Materials
Pigments
Basic Ingredients
Petrolatum
Lanolin
Ceresin
Carnauba
Beeswax
Stearic Acid
Isopropyl Myristate
Propylene Glycol
Gum Tragacanth
Methyl Cellulose
Preservatives
Pearlessences
Perfuming
Formulation and Manufacture
Eyeshadow
Mascara
Eyebrow Pencils
Eye Liners
False Eyelashes
Eye Cover Products
Eye Makeup Removers
Eye Creams and Eye Sticks
Analysis
General Remarks

12. Aerosol Cosmetics
Definitions
Historical Background

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Principle and Mechanism
The Package and its Components
Container
Metals
Industry Specifications for Fabricated Aerosol Cans
Glass
Plastics
Valves
Valve Specialties
Actuator Cover Cap
Powder or Paint Valves
Foam Valves
Spray Anyway Valves
Metering Valves
Special Applicators
Codispensing Valves
Propellants
Concentrate
Production
Cold Filling
Pressure Filling
Under-the-Cup Filling
Formulation
Hair Products
Hair Sprays
Hairsets and Conditioners
Hairdressing
Color Rinse and Sprays
Wave Lotions
Shampoos
Skin Products
Deodorants and Antiperspirants
Fragrances
Sunscreen
Shaving Cream
Shaving Accessories
Feminine Deodorant Spray
Nail Preparations
Powders
Face Creams and Lotions
Oral Products

13. Shaving Preparations: Soaps, Creams, Oils, and Lotions
Shaving Soaps, Sticks and Powders
Shaving Soaps
Shaving Sticks
Shaving Powders
Lather Shaving Cream
Brushless Shaving Cream
Shaving Oils and Lotions

14. Preshave and Aftershave Preparations
Presahve Preparations
Skin Conditioners  
Beard Softeners  
Pre-electric Shave Preparations  
Aftershave Preparations  
Clear Lotions  
Stick Lotions and Gels  
Creams and Emulsified Lotions  
Powders  
Styptics  
Aerosols

15. Hair-Grooming Preparations
Properties of a Good Hairdressing
Types of Hairdressing
Brilliantines
Liquid Brilliantines
Solid Brilliantines
Alcoholic Lotions
Hair Tonics
Two-Layer Lotions
Gum-Base Hairdressings
Oil-in-Water Emulsions
Water-in-Oil Emulsions
Aerosol Hairdressings

16. Hair Straighteners
Morphological Considerations
General Chemical Composition
Keratin
Hair Treatment Reactions
Oxidation
Diffusion of Reagents
D-Cystine Fraction
Measurement of Physical Changes Related to Fibre Treatment
Form-related Compositions
Temporary Straightening
Permanent Straightening
Thioglycolate Compositions
Neutralizers
Manufacturing and Material Specifications
Packaging Considerations
Method of Application
Other Materials
Silicones
Sulfites
Manufacture
Procedure
Neutralization
General Considerations

17. Bleaches, Hair Colorings and Dye Removers
Demands in Hair Coloring
Classes of Coloring Agents
Bleaching Agents
Early Bleaches
Chemical Bleaches
Hydrogen Peroxide
Action of Peroxide on Hair
Bleaching Agents and Treatments
Platinum Bleaching
Blanching of Hair
After Treatment of Bleached Hair
Synthetic Organic Dyes
Range of Shades Required
Special Shades
Temporary Colorings
Coloured Rinses
Rinses for Gray Hair
Importances of Instructions
Color Shampoos
Powders
Crayons
Semi-Permanent Dyes
Nitro Dyes
Self-Oxidizing Dyes
Solvent-Assisted Dyes
Anion-Cation Complexes
Reactive Dyes
Aminoanthraquinone Dyes
Permanent Dyes
(Oxidation Dyes)
Pyrogallol
Introduction of Amino Dyes
Early Commercial Development
Quest for Substitutes; Protective Measures
Research for Improved Products and Processes
Advantages and Disadvantages of Oxidation Dyes
Composition of Modern Oxidation Dyes
Forms of Oxidation Dyes
Regulations Governing Amino Dyes
Research for New Days
Plant Derivatives
Henna
Indigo
Camomile
Wood Extracts
Mixed Wood Dyes
Miscellaneous Plant Products
Use of Mordants
Advantages and Disadvantages of Natural Dyes
Metallic Dyes
Lead Dyes
Silver Dyes
Dyes for Eyebrows and Eyelashes
Copper Dyes
Compound Hennas
About NIIR

NIIR PROJECT CONSULTANCY SERVICES (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.


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