TRAINING IN COSMETIC CHEMISTRY

Ist Week - Basics of Cosmetic Analysis Lab & Analytical Procedures

Day 1: Lab safety and Procedures , Regulatory Compliance of Cosmetics

Day 2: Sterilisation Techniques , Reagent Preparation, Buffers, Acid-Base Equilibrium

Day 3: pH, Buffer System, Charge, Pi and pKa, Value

Day 4: Titrations procedures for cosmetic samples

Day 5: Fraction & Steam distillation procedures



IInd Week - Cosmetic Microbial Analytical Procedure

Day 1: Simple & Serial Dilution, Moles and Molar Solutions

Day 2: Sterility Check: Procedural Blank, Media Blank, Field Blank, Positive & Negative Control Cultures

Day 3: Enumeration of Microbes & Colony Counting in cosmetic sample

Day 4: Growth Curve Analysis of Microbial Culture

Day 5: Colony Morphology & Survival Analysis



IIIrd Week - Extraction & Analytical Techniques of Cosmetics

Day 1: Classical Extraction - Direct Extraction, liquid liquid extraction, solid-liquid extraction

Day 2: Solid - phase Microextraction, Ultrasound-assisted extraction

Day 3: Analysis by Thin Layer Chromatography

Day 4: Determination of Hydroquinone in Cosmetics

Day 5: Determination of Methyl Paraben from Cosmetics



IVth Week - Cosmetic Sample Analysis by HPLC & Gas Chromatography

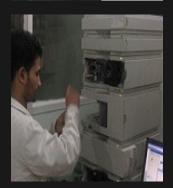
Day 1: Basics of High Performance Liquid Chromatography & Gas Chromatography

Day 2: Software, application in HPLC and Data Analysis

Day 3: Software & Its application in Gas Chromatography

Day 4: Sample, Standard and Solvent Preparation for HPLC

Day 5: Sample Run & Data Analysis



Vth Week - Project Work

We will share our ideas and decide for small piece of research in limited time frame.

Cost of Training: Training Only -INR 10,000 / Training + Project - INR 12,000/-

Duration: 80 to 100 Hrs or 4 to 6 Weeks



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