

TRAINING IN PHARMACEUTICAL CHEMISTRY

Ist Week - Basics of Pharma Analysis Lab & Analytical Procedures

Day 1: Lab safety and Chemistry Lab Procedures , Chemical & Reagent Preparation

Day 2: Calibration of balance, pH Meter and apparatus, Acid-base titration

Day 3: Viscosity, Refractive Index determination, Moisture content analysis

Day 4: TDS, Nitrogen Potentiometric Analysis, Dissolved Oxygen Analysis

Day 5: Chromatography Procedures - Column Chromatography, TLC, HPLC & GC



IIInd Week - Qualitative Analysis of Pharmaceutical Drugs

Day 1: Determination of % purity of ammonium chloride

Day 2: Partition Coefficient of Benzoic acid between benzene & water

Day 3: Assay & Analysis of aspirin

Day 4: To perform analysis of paracetamol

Day 5: To carry out the Assay of furosemide tablets.



IIIrd Week - Analysis of Pharmaceutical Finished Products

Day 1: Analysis of Erythromycin tablet (ASA)

Day 2: Pharmaceutical Analysis of Ethambutol Tablets (HPLC Analysis)

Day 3: Pharmaceutical Analysis of Ethosuximide Syrup (Gas Chromatography)

Day 4: Analysis of Metronidazole Injection (Pharma Assay & HPLC)

Day 5: Atropine Eye Ointment Analysis (Gas Chromatography)



IVth Week - Food 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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