

# 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



Email : [info@allelelifesciences.com](mailto:info@allelelifesciences.com) || [allelelifesciences@gmail.com](mailto:allelelifesciences@gmail.com)

WhatsApp : 9891179928 || 8377082003

Web : [www.allelelifesciences.com](http://www.allelelifesciences.com)