

# Analytical Instruments Testing Series TRAINING ON HPLC



Spectro offers an outstanding platform for training on HPLC. The training is especially designed for those individuals who want to have an exposure to High Performance Liquid Chromatography technique. This training program provides theoretical and practical understanding of HPLC, its maintenance, method development and troubleshooting techniques. All the information related to latest available HPLC components from pumps and detectors is provided.



## Objective of the Training

We provide valuable experience of having detailed exposure to HPLC Binary with Fluorescence detector (RF 10 AXL, Shimadzu), HPLC Isocratic with UV-VIS detector (LC-10 ATVPS, Shimadzu) and Agilent HPLC Binary-1200 Series, 1200 Infinite series that helps to mark one's presence in various industries. It helps to enhance the trainee's understanding and ability to apply modern practices of HPLC. During the training, knowledge of selecting relevant instrumentation and columns, interpreting and troubleshooting the chromatograms is imparted. Hands-on aspect to enhance the practical operational experience is provided.

## Training Module for 6 Days

### Day 1

Introduction to basic principle of chromatography, various HPLC detectors with their uses, columns, binary and isocratic gradients, mobile phases, polarity and retention time.

### Day 2

Functioning of UV/VIS detectors, its working, calibration and applications, Fluorescence detector functioning, its working, calibration and applications.

### Day 3

Preparation of test solutions, Mobile Phase, Setup method for HPLC, Data acquisition software.

### Day 4

Quantitation software, Integration and Report Generation.

### Day 5

Development of method, optimizing various chromatographic parameters.

### Day 6

Understanding specific applications, preventive care, maintenance and trouble shooting.



## Minimum Eligibility Required:

The trainee must possess a graduation degree in science field or must be pursuing the same.

## Benefits of the Training:

The training is beneficial to the person who wants to mark his presence in the industries which relates to chemicals, oil, cosmetics, food, agriculture, analytical testing laboratories and several others. It is the most important instrument used in drugs and pharmaceuticals thus training on HPLC will be a gateway to these industries.

## Please Note:

- ☞ We also conduct customized training programs on request.
- ☞ The certificate will be provided only after clearing a test.



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