

PHARMACEUTICAL QUALITY CONTROL

Any Biology, Biotechnology, Microbiology, Biochemistry, Food Science, Pharmacy, Forensic Science candidate can join

45 Days Industrial Training

**Job Prospects:
Pharmaceutical Industry**

TECHNIQUES TO BE COVERED

1. Basic of Pharmaceutical Quality control
2. Job opportunities in Pharmaceutical Quality control department
3. Responsibilities of Quality control department
4. General and safety rules for working in Lab
5. Clean room concept in Quality control department
6. Quality compliances - Good Laboratory Practices (GLP), guidelines and basic principles of Good Manufacturing Practices (GMP)
7. Introduction to Laboratory Math and its importance; Understanding Metric systems and conversions; Molecular Calculations: Concentrations, Molarity, Normality, Ratios, v/w, v/v)
8. Buffer preparations; pH adjustments
Working with stock solutions; Serial Dilution techniques
9. Preparation of Reagents, Stock Solutions & Methods of Labelling and Storage
10. Micropipette handling (forward and reverse pipetting techniques)
11. Demonstration and handling of all Lab instruments
12. Basic principles, calibration, Standard operating procedure (SOP) and application of instruments (Like Autoclave, pH meter, TDS meter, vortex mixer, Centrifuge, Laminar air flow, incubator, microscope, UV-VIS Spectrophotometer)
13. Overview of sterilization technique and basic principles, Calibration, Standard operating procedure (SOP) and application of autoclave
14. Determination of pH and TDS on water through digital pH and TDS meter respectively,
15. Quantitative assay of sulphate in drinking water through UV- visible spectrophotometer.
16. Water content analysis of selective excipients and drugs as per IP (Indian Pharmacopoeia) Method
17. Basic about limit test in Quality control department
18. Limit test of heavy metal (lead)
19. Limit test of sulphate
20. Limit test of chloride
21. Qualitative analysis of iodoform/oxalic acid/ester,
22. Qualitative Assay of Acetaminophen/Acetylsalicylic Acid tablets,
23. Percentage purity of Paracetamol from different brands of through UV-VIS spectrophotometer,
24. Basic concept of chromatography, Thin Layer Chromatography (TLC).

