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E-LEARNING

G(QC)LP

1

Introduction to Quality Control

This module introduces you to the basic concepts and requirements of Good Quality Control Laboratory Practices. It will review industry standards used in specifying requirements for QC and define the elements in establishing a Laboratory Quality System and Quality Manual for a chemical analytical laboratory.

Objectives:

- Recognise what comprises a laboratory quality manual
- Relate the safety requirements of the QC laboratory to day-to-day work practices
- Distinguish between the different types of laboratory documents
- State the rules for record keeping and data recording
- Recognise the key features of test methods and specifications

Course Outline

INTRODUCTION
- Welcome
- Overview
- Reviews and assessments

THE LAB QUALITY SYSTEM
- What do you think?
- QC solution
- Overview
- Role of the laboratory
- Sections of ISO 17025
- Understanding the manual
- Quality manual content
- Change control
- Important laboratory SOPs
- What do you think?
- Training of personnel
- Review

BASIC SAFETY PRACTICES
- What do you think?
- QC solution
- Overview
- MSDS
- Basic rules for lab safety
- Safety and efficiency
- Housekeeping rules
- Review

LABORATORY DOCUMENTS
- What do you think?
- QC solution
- Overview
- Lab documentation
- Test method structure
- Lab notebooks
- Validation protocols
- Performance parameters
- Lab instruments
- Review

RECORD KEEPING
- What do you think?
- QC solution
- Overview
- Key supporting records
- Completing lab notebooks
- Summarising records
- Reviewing records
- Review

TEST METHODS AND SPECIFICATIONS
- What do you think?
- QC solution
- Overview
- Test methods
- Test method integrity
- Typical sample processing
- Specifications
- Pharmacopoeias
- Reference standards
- Review

CONCLUSION
- Summary

Contact us for more information

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