



ICS ANALYTICS
Productivity with Compliance

Essentials for Troubleshooting HPLC

Course Description

Course Objective:

Chromatography is a major analytical separation technique used in many laboratories. Understanding the theory behind the assay, equipment and testing strategies leads to earlier and faster problem solving and fewer laboratory investigations.

Practical exercises and competency assessment at the end of each module enhance skills used in the workplace.

Modules in the course do not cover manufacturer specific instrument topics, however these can be provided as part of a customised training program.

This course is designed to deliver a thorough understanding of the theory and practice of Separation Science.

Course Outline:

The course covers:

- » History of Chromatography
- » Derived Terms
- » Separation Techniques
- » Developing and Optimising HPLC Assays
- » Solving the "General Elution Problem"
- » Equipment Components
- » Problem Solving Techniques
- » Troubleshooting from first principles

Certificate of Participation:

Certificates of Participation will be awarded to participants who have achieved 75% attendance for the course

Course Leader:

Greg Jordan has over 30 years experience in HPLC, GC, Mass Spectrometry, Environmental and Pharmaceutical Analysis (QC, Stability and R&D). He has delivered courses in universities and companies in Australia and Asia.

Bookings or Further Information:

Further information email or phone ICS Analytics at
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Outcomes:

On completion of each module, the candidate will be able to:

- » Describe the theory or regulatory guidelines behind the module,
- » Apply the knowledge in a practical situation, and
- » Use the skills to solve "real" laboratory problems.

Who's it for:

- » The course is designed for those currently employed in laboratories:
 - » Who use or are about to use chromatographic instruments, or
 - » Who require a better understanding of the equipment they currently use.

Course Format:

- » A combination of lecture style presentations and problem solving.
- » Course notes that include the slides, explanatory information and references are provided to each participant.
- » The practical/assessment component covers approximately 25% of the course time.