

HPLC Troubleshooting: A Performance Qualification Approach (1 day)

A comprehensive course in the isolation, correction and prevention of problems in liquid chromatography

Who should take this course?

This course is designed for anyone who works with HPLC. No previous experience with HPLC systems is assumed; however, much of the course will also appeal to the more experienced chromatographer.

What does it cover?

"HPLC Troubleshooting" is an intensive one day course that teaches you how to solve the common problems that can occur with your LC methods. You will learn how to qualify the performance of your HPLC instrument using specific tests that can also be used for isolating existing problems. You'll also learn how to prevent many of these problems from occurring in the first place. This course covers:

- Operating principles of each module in an HPLC system
- Review of HPLC theory as it applies to troubleshooting and instrument maintenance
- Why performance qualification (PQ) is so important
- Proven techniques for systematic problem solving and instrument maintenance
- The most effective, time saving and money saving approaches to preventing common hardware problems and method failures

What will I get from this course?

What you learn will demystify your instrument. You'll find that all of the perplexing and frustrating problems you experience have straightforward and logical solutions. More importantly, you'll learn that most of these problems are preventable. The techniques you learn from this course will make you more effective at work and save you big headaches! Delegates tell us that this "extremely practical course" is a must for everyone who uses HPLC.

Course Outline

Principles of HPLC troubleshooting
Performance qualification, part 1: pump & detector
PQ, part 2: on-line mixing
PQ, part 3: chromatographic checks
The separation: physical problems with columns
The separation: chemical problems with columns
Problems with quantification

**Available as an in-house or off-site course. Contact us for details
Tel: 0118 930 3660 Email: seminars@hichrom.co.uk**



Hichrom Ltd, 1 The Markham Centre, Station Road, Theale, Reading, Berks, RG7 4PE
Tel: 0118 930 3660, Fax: 0118 932 3484, email:seminars@hichrom.co.uk