

Practical Flame AA**L020-0030****1 Day****Tuition****£385**

Starting with an overview of atomic absorption, the attendee is introduced to operational parameters, optimization and calibration, followed by a set of experiments designed to give the operator a better understanding of various techniques, including setting up the system, optimization of flame conditions and simple fault solving. The course concludes with a session on data handling, method archiving, software optimization and basic quality control. Although this introduction to the flame atomic absorption analytical technique includes some theoretical background of atomic absorption spectrometry, the major emphasis will be on practical work and achieving competence in the use of the instrument.

Prerequisite

The course is designed for first time users and will assume no previous knowledge of Atomic Spectroscopy.

Lectures and Labs

- Overview of atomic absorption
- Routine tests of instrument performance
- Instrument optimization
- Calibration for a range of elements
- Overview of the software (AA WinLab)
- Data storage, report writing

Please visit www.perkinelmer.com/service for registration options and cancellation/refund policies.

Practical Furnace AA**L020-0031****1 Day****Tuition****£385**

Starting with an overview of HGA, the attendee is introduced to operational parameters, optimization and calibration. This is followed by a set of experiments designed to give the attendee a better understanding of the technique, covering setting up the system, optimization of graphite furnace conditions and simple fault solving. The course concludes with a session on data handling, method archiving, software optimization and basic quality control.

Prerequisites

The attendee should have some experience with the AAnalyst system, graphite furnace, and AAWinLab software and will have read the Concepts book provided with the instrument. However, the course is designed for users with approximately one year of experience of flame AAS but assumes no previous knowledge of graphite furnace AAS.

Lectures and Labs

- Overview of graphite furnace
- Graphite furnace optimization
- Overview of the software (AAWinlab)

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