

# Method Validation for testing laboratories

## Course Objectives

The objective of this course is to introduce analysts to the basic concepts of method validation and quality control. The method validation section will include evaluation of parameters such as method precision, trueness, working range, limit of detection (LOD) and limit of quantification (LOQ), linearity of the instrument calibration and metrological traceability, selectivity/specificity in line with the requirements of ISO/IEC 17025:2017. Internal Quality Control measures such as Quality Control charts will also be introduced. Throughout the course, participants will have the opportunity to practice what they have learnt with several classroom-based examples.

## Course Content

The course consists of the following topics:

- Introduction to the concept of method validation
- Overview of the most important method validation parameters, including method precision, trueness, linearity, selectivity, etc.
- How to design method validation experiments for your method
- How to prepare your method validation report
- Quality control and the set-up of quality charts

## Course Date

14 – 16 October 2024

## Duration

3 days

## Cost

R6 350

## Who should attend?

The course is aimed at analytical chemists, microbiologists, and other types of testing analysts, who need to develop and validate methods and monitor analytical methods to make sure they operate under statistical control in the laboratory.

## Course information

NMISA's courses are developed and presented by experts in the field. The course will include a written examination at the end of the course to receive a certificate of completion.

Enrolment is simple, and the courses are reasonably priced.

Visit [training.nmisa.org](http://training.nmisa.org) for more information.



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