



Evaluation of Measurement Uncertainty (Chemical Parameters)

Objectives:

The course aims to address following objectives:

- Understand Measurement Uncertainty Terminology
- Understand the requirements of ISO/IEC – 17025:2005 w.r.t. Measurement Uncertainty. Accreditation Bodies, Regional Body's and ILAC policy on reporting Measurement Uncertainty by test and calibration laboratories.
- Understand the methodology of evaluation and expression of Measurement Uncertainty.
- Evaluate & Express Measurement Uncertainty using Live examples from Laboratories.

Duration: Three days (3 Days)

Eligibility Criteria

To get better understanding of Measurement Uncertainty evaluation and reporting, the participants are desired to :

- have working experience of Test Laboratory
- have Knowledge of relevant clauses ISO/IEC – 17025 w.r.t. Measurement Uncertainty
- have knowledge of Test methods being used in his/her laboratory

Course Contents

- based upon ISO Guide 98-3 & EURACHEM Guide (latest edition)
- Terminology used in Uncertainty Calculations
- the basic process from specification of the measurement model through to evaluation of the final figure of measurement uncertainty
- practical approach to calculation of measurement uncertainty
- Reporting Methodology
- ILAC, APLAC and Accreditation Body's Policy on evaluation and reporting of Measurement Uncertainty

Methodology

Training course deploys accelerated learning techniques through :

- Class room interactions • Individual/ Group exercises
- Examples of practical situation.

Benefits

On completion of the course the participants will be able to:

- Understand the terminology required for evaluating uncertainty in measurements.
- Evaluate and report measurement uncertainty.

Course Certification

“**Certificate of Participation**” is issued to all delegates who complete the course.