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Calibration & Uncertainty of Measurements

(1 day)

Topics
Introduction to Calibration
Measurement Traceability to International Standards
Environmental requirements for Dimensional Calibration
NABL Accreditation Requirements
Inter Laboratory Comparison and Proficiency Testing
Uncertainty of Measurements - Definitions, Terminology and Concepts
Statement of Uncertainty of Measurements in a calibration certificate
Meaning of 95% confidence level and K factor
Components of Uncertainty in measurements – Random and Systematic
Procedure for Evaluation of Uncertainty of Measurements
Evaluation and meanings of Z and En factors.
Questions & Answers