

# *Certificate of Completion*

This is to certify that

**Ernest Theo Cabreza**

has successfully completed the A2LA WorkPlace Training course

## **Measurement Uncertainty**

**On 05/27/2020 with a score of 100%**

Supervisor \_\_\_\_\_

**Topics:** Introduction to Documentary Standards: Quality Systems and Standards, Prescriptive and Non-Prescriptive Standards, Accreditation, Registration and Certification, ISO/IEC 17025:2017:2-17 and ISO/IEC 17011, Mutual Agreement and Mutual Recognition. Conformance and Conformity Assessment: Requirements of the Standards(s), Shalls, Shoulds, and Notes, Normative References, Additional Requirements from Accreditation Bodies, The Assessment Process, Deficiencies, Nonconformances, Corrective Action, Responses, Preassessment, Reassessment, Surveillance. Sections 1 to 5 of ISO/IEC 17025:2017: Introduction. Section 6 Resource Requirements: 6.1 General, 6.2 Personnel, 6.3 Facilities and Environmental Conditions, 6.4 Equipment, 6.5 Metrological Traceability, 6.6 Externally Provided Products and Services. Section 7 Process Requirements: 7.1 Review of requests, tenders, and contracts. 7.2 Selection, verification, and validation of methods, 7.3 Sampling. 7.4 Handling of test or calibration items, 7.5 Technical records, 7.6 Evaluation of measurement uncertainty, 7.7 Ensuring the validity of results, 7.8 Reporting of result, 7.9 Complaints, 7.10 Nonconforming work, 7.11 Control of data and information management. Section 8 Management System Requirements: 8.1 Options, 8.2 Management system documentation, 8.3 Control of management system documents, 8.4 Control of records, 8.5 Actions to address risks and opportunities, 8.6 Improvement, 8.7 Corrective actions, 8.8 Internal audits, 8.9 Management reviews. Annex A: Metrological Traceability. Annex B: Management System Options. Additional Requirements: Traceability, Proficiency Testing and Interlaboratory Comparisons, Work Performed in the Field, Use of the Accreditation Body Name and Logo, Requirements of ANSI/NCSL Z540.3.

