SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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CALIBRATION

Valid To: March 31, 2026 Certificate Number: 2161.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the organization's compliance with A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations[1, 4]:

I. Mechanical

Parameter/Equipment	Range	CMC[2] (±)	Comments
POVA (Piston Operated Volumetric Apparatus) – Piston Pipettes, Piston Burettes, Dilutors and Dispensers	(> 0.1 to ≤ 2) µL (> 2 to ≤ 10) µL (> 10 to ≤ 20) µL (> 20 to ≤ 100) µL (> 100 to ≤ 200) µL (> 200 to ≤ 500) µL (> 500 to ≤ 1000) µL (> 1 to ≤ 2) mL (> 2 to ≤ 5) mL (> 5 to ≤ 10) mL (> 10 to ≤ 20) mL (> 20 to ≤ 50) mL (> 50 to ≤ 100) mL (> 100 to ≤ 200) mL	0.014 µL 0.021 µL 0.041 µL 0.16 µL 0.33 µL 1.3 µL 1.6 µL 2.4 µL 5.9 µL 17 µL 27 µL 67 µL 130 µL 250 µL	Gravimetric method per ISO-8655

Parameter/Equipment	Range	CMC[2] (±)	Comments
POVA (Piston Operated Volumetric Apparatus)[3] – Piston Pipettes, Piston Burettes, Dilutors and Dispensers	(> 0.2 to ≤ 2) µL (> 2 to ≤ 10) µL (> 10 to ≤ 20) µL (> 20 to ≤ 100) µL (> 100 to ≤ 200) µL (> 500 to ≤ 500) µL (> 500 to ≤ 1000) µL (> 1 to ≤ 2) mL (> 2 to ≤ 5) mL (> 5 to ≤ 10) mL (> 10 to ≤ 20) mL (> 20 to ≤ 50) mL (> 50 to ≤ 100) mL (> 100 to ≤ 200) mL	0.027 µL 0.048 µL 0.058 µL 0.24 µL 0.48 µL 1.6 µL 2.3 µL 3.1 µL 7.6 µL 18 µL 34 µL 86 µL 160 µL 320 µL	Gravimetric method per ISO-8655

[1] This laboratory offers mail-in commercial calibration services and field calibration services.

[2] Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site may be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g., resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

[4]This scope meets A2LA's *P112 Flexible Scope Policy*.

Accredited Laboratory

A2LA has accredited

METTLER-TOLEDO RAININ, LLC

Oakland, CA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 29th day of April 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number: 2161.01
Valid to March 31, 2026

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.