SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PRECISION BALANCE SPECIALIST
1042 N. Mountain Ave, B-374
Upland, CA 91786
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CALIBRATION

Valid To: November 30, 2024 Certificate Number: 6573.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1, 3]

I. Mechanical

Parameter/Equipment	Range	CMC[2] (±)	Comments
Ultra-Micro Balance 0.0001 mg Resolution	1 mg to 2 g	2 µg/g + 2.4 µg	Analytical balance; ASTM Class 1 weights
Micro Balance 0.001 mg Resolution	10 mg to 50 g	5.1 µg/g + 5.5 µg	Analytical balance; ASTM Class 1 weights
Semi-Micro Balance 0.01 mg Resolution	100 mg to 200 g	3.9 µg/g + 79 µg	Analytical balance; ASTM Class 1 weights
Analytical Balance 0.1 mg Resolution	100 mg to 500 g	0.4 µg/g + 98 µg	Analytical balance; ASTM Class 1 weights
Top Loader Balance 0.001 g Resolution	(1 to 5000) g	0.61 µg/g + 0.95 mg	Top loader balances; ASTM Class 1 weights
Top Loader Balance 0.01 g Resolution	10 g to 15 kg	1.2 mg/kg + 11 mg	Top loader balances; ASTM Class 1 weights
Top Loader Balance 0.1 g Resolution	100 g to 75 kg	1.9 mg/kg + 95 mg	Top loader balances; ASTM Class 1 weights

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Parameter/Equipment	Range	CMC[2] (±)	Comments
Floor Scale 0.1 g Resolution	100 g to 150 kg	2.8 mg/kg + 95 mg	Floor scales; ASTM Class 1 weights

[1] This laboratory offers commercial calibration service.

[2] Calibration and Measurement Capability (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. Calibration and Measurement Capabilities 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] This scope meets A2LA's *P112 Flexible Scope Policy*.

Accredited Laboratory

A2LA has accredited

PRECISION BALANCE SPECIALIST

Upland, 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 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 6th day of December 2022.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6573.01
Valid to November 30, 2024

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