CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Advanced Scale, Inc.
13 Delta Drive, Unit 6
Londonderry, NH 03053

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 26 April 2027

Certificate Number: AC-2147

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. 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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Advanced Scale, Inc.
13 Delta Drive, Unit 6
Londonderry, NH 03053
603-626-0242
Stephen W Dowling

CALIBRATION

Valid to: **April 26, 2027** Certificate Number: **AC-2147**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Lab Balances [1, 2]	Up to 10 g (10 to 100) g (100 to 500) g (500 to 1 000) g (1 000 to 5 000) g (5 to 15) kg	0.082 mg 1.5 mg 7.4 mg 15 mg 74 mg 330 mg	NIST Handbook 44 ASTM Class 1 Weights and ASTM Class 4 Weights
Bench Scales [1, 2]	Up to 100 lb (100 to 250) lb (250 to 500) lb (500 to 1 000) lb	0.012 lb 0.031 lb 0.061 lb 0.13 lb	NIST Handbook 44 Class F Weights ASTM Class 5 and ASTM Class 6 Weights
Floor Scales [1, 2]	Up to 5 000 lb (0 to 10 000) lb	0.31 lb 0.60 lb	NIST Handbook 44 Class F Weights
Truck Scales [1, 2]	Up to 120 000 lb	2.5 lb	NIST Handbook 44 Class F Weights Weight Cart

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

1. The CMC for balances and scales are highly dependent on the resolution of the unit under test. The CMCs here do not include the resolution of the unit under test. The resolution will be included in the reported uncertainty at the time of calibration.
2. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2147.

Jason Stine, Vice President