CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Meldrum Scale Company, Inc.
541 West 9560 South
Sandy, Utah 84070

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: 12 November 2027

Certificate Number: AC -1586

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

Meldrum Scale Company, Inc.
541 West 9560 South
Sandy, Utah 84070
Jeff Meldrum
800-924-7410

CALIBRATION

Valid to: **November 12, 2027** Certificate Number: **AC-1586**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Class I Balance/Scale	Up to 10 g Up to 30 g Up to 50 g Up to 100 g Up to 200 g Up to 500 g	0.059 mg 0.087 mg 0.14 mg 0.29 mg 0.59 mg 1.4 mg	Comparison to ASTM Class I weights
Class II Balance/Scale	Up to 1 kg Up to 5 kg Up to 10 kg Up to 20 kg	2.9 mg 0.59 g 1.2 g 2.4 g	Comparison to ASTM Class I weights NIST Class F weights
Class III Platform Scale	Up to 50 lb Up to 100 lb Up to 500 lb Up to 1 000 lb Up to 5 000 lb Up to 10 000 lb Up to 30 000 lb	0.006 4 lb 0.013 lb 0.064 lb 0.13 lb 0.63 lb 1.3 lb 3.3 lb	Comparison to NIST Class F weights
Class IIIL Platform Scale	Up to 60 000 lb Up to 200 000 lb	7.3 lb 12.4 lb	Comparison to NIST Class F weights NIST 105-8 Weight Cart
Load Cell Compression [2]	(1 106 to 50 000) lb (3 588 to 100 000) lb	2.6 lb 7.7 lb	Comparison to ASTM E74 load cell
Load Cell Tension [2]	(1 265 to 50 000) lb (1 999 to 100 000) lb	2.9 lb 4.2 lb	Comparison to ASTM E74 load cell

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. 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.
2. Assuming 10 000 div, load cell controller must be supplied.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1586.

Jason Stine, Vice President