



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

John J. McIntyre Sons, Inc.
514 Knorr Street
Philadelphia, PA 19111

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: 31 May 2026

Certificate Number: AC-1228



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

John J. McIntyre Sons, Inc.

514 Knorr Street
Philadelphia, PA 19111
Chuck McIntyre 212-745-3304

CALIBRATION

Valid to: **May 31, 2026**

Certificate Number: **AC-1228**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Lab Balances ^{1,2}	(10 to 100) g 100 g to 32 kg	0.31 g 0.0003 % of reading	ASTM E617 Class 1 Weights and NIST Handbook 44 utilized in the calibration of the weighing system.
Bench/Floor Scales ^{1,2}	(5 to 20 000) lb	0.013 % of reading	NIST Class F Weights and NIST Handbook 44 utilized in the calibration of the weighing system.
Crane Scales ^{1,2}	(20 to 50 000) lb	0.013 % of reading	
Forklift Scales ^{1,2}	(100 to 5 000) lb	0.017 % of reading	
Tank Scales ^{1,2}	(20 to 40 000) lb	0.013 % of reading	
Truck Scales ^{1,2}	(100 to 200 000) lb	0.013 % of reading	
Force Gages ^{1,3}	(1 to 100) lbf	0.013 % of reading	NIST Class F Weights

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. The CMC for scales and balances is highly dependent upon the resolution of the unit under test. The CMC presented here does not include the resolution of the unit under test. The resolution will be included in the reported measurement uncertainty at the time of calibration.
 3. The uncertainty listed does not include unit under test uncertainty contributors such as readability and/or repeatability. The reported uncertainty at time of calibration will be higher with the addition of these factors.
 4. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1228.



Jason Stine, Vice President