# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

## Central Scale, Inc.

**4915 E 16th Street**
**Indianapolis, IN 46201**

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: 05 September 2024

Certificate Number: L1138-1

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


**Central Scale, Inc.**
4915 E 16th Street
Indianapolis, IN 46201
Dennis Watson
317-356-8005


## CALIBRATION

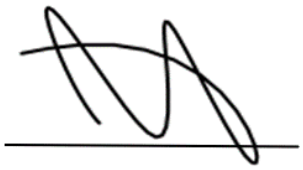
Valid to: **September 5, 2024** Certificate Number: **L1138-1**

**Mass and Mass Related**

| Parameter/Equipment | Range | Expanded Uncertainty of Measurement (+/-) [2] | Reference Standard, Method, and/or Equipment |
|---|---|---|---|
| High Precision Balances and Scales [1] | (0 to 200) g | 2d + 0.000 77 % of Applied Load | ASTM E617 Class1 & 2 weights and NIST Handbook 44 utilized for the calibration of the weighing system. |
| Class I Balances [1] | 1 mg to 200 g | 2d + 0.00 67 % of Applied Load | |
| Class II & Equivalent Scales [1] | 10 mg to 18 kg | 2d + 0.000 9 % of Applied Load | |
| Class III & Equivalent or Industrial Scales [1] | (0.001 to 100 000) lb<br>(0.000 1 to 125) kg | 2d + 0.008 7 % of Applied Load<br>2d + 0.008 7 % of Applied Load | NIST Class F weights and NIST Handbook 44 utilized for the calibration of the weighing system. |
| Class IIIL Vehicle Scales [1] | (5 to 200 000) lb | 2d + 0.03 % of Applied Load | |
| Unmarked High-Resolution Scales [1] | 0 to 50 000 lb<br>1 mg to 125 kg | 2d + 0.014 % of Applied Load | ASTM E617 Class 2 & NIST Class F weights and NIST Handbook 44 utilized for the calibration of the weighing system. |
| Force Measurement – Tension and Compression [1] | Up to 2 000 lbf | 1d + 1 % of applied load | NIST Class F Test Weights used for comparison |

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. d = unit under test resolution.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L1138-1.



Jason Stine, Vice President