# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Superior Scale, Inc.**
**2118 Carolina Place**
**Fort Mill, SC  29708**

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: 19 March 2025

Certificate Number: L2077-1

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

**Superior Scale, Inc.**
2118 Carolina Place
Fort Mill, SC 29708
Steve Daniels
803-548-3320

## CALIBRATION

Valid to: **March 19, 2025** Certificate Number: **L2077-1**

**Mass and Mass Related**

| Parameter / Equipment | Range | Expanded Uncertainty of Measurement (+/-) | Reference Standard, Method and/or Equipment |
|---|---|---|---|
| Analytical Balances<br>(0.000 1 g Resolution) | (0 to 220) g | 0.85 mg | ASTM E617 Class 1 Weights and NIST Handbook 44 utilized for the calibration of the Weighing System |
| (0.001 g Resolution) | (0 to 380) g | 2.2 mg | |
| (0.01 g Resolution) | (0 to 1 000) g | 18 mg | |
| Lab Balances<br>(0.1 g Resolution) | (0 to 6.2) kg | 0.15 g | ASTM E617 Class 2 Weights and NIST Handbook 44 utilized for the calibration of the Weighing System |
| Bench Scales<br>(0.002 lb Resolution) | (0 to 60) lb | 0.009 lb | NIST Class F Weights and NIST Handbook 44 utilized for the calibration of the Weighing System |
| (0.01 lb Resolution) | (0 to 100) lb | 0.019 lb | |
| (0.05 lb Resolution) | (0 to 500) lb | 0.094 lb | |

**Mass and Mass Related**

| Parameter / Equipment | Range | Expanded Uncertainty of Measurement (+/-) | Reference Standard, Method and/or Equipment |
|---|---|---|---|
| Truck Scales (20 lb Resolution) | (0 to 300 000) lb | 30 lb | NIST Class F Weights and NIST Handbook 44 utilized for the calibration of the Weighing System |
| Industrial Scales [3] (0.1 lb Resolution) | (0 to 1 000) lb | 0.19 lb | NIST Class F Weights and NIST Handbook 44 utilized for the calibration of the Weighing System |
| (0.2 lb Resolution) | (0 to 2 000) lb | 0.37 lb | |
| (0.5 lb Resolution) | (0 to 5 000) lb | 0.93 lb | |
| (1 lb Resolution) | (0 to 10 000) lb | 1.9 lb | |
| (2 lb Resolution) | (0 to 20 000) lb | 3.7 lb | |
| Industrial Scales [2] (5 lb Resolution) | (0 to 50 000) lb | 9.3 lb | NIST Class F Weights and NIST Handbook 44 utilized for the calibration of the Weighing System |
| (10 lb Resolution) | (0 to 100 000) lb | 19 lb | |

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. Industrial Scales include Floor, Tank, Hopper Crane, etc.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2077-1.

Jason Stine, Vice President