CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Kanawha Scales and Systems LLC
1519 11th Street NE
Roanoke, VA 24012

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: 27 March 2025

Certificate Number: L1166.12-1

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

Kanawha Scales and Systems LLC

1519 11th Street NE
Roanoke, VA 24012
Candice Bryant
304-755-8321

CALIBRATION

Valid to: **March 27, 2025** Certificate Number: **L1166.12-1**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [3]	Reference Standard, Method, and/or Equipment
Class I, Unmarked and High Precision Lab Balances [1]	(0 to 500) mg (1 to 5) g (10 to 50 000) g	0.014 mg 0.061 mg 0.000 44 % of Applied Load	ASTM E617 Class 1 Weights and NIST Handbook 44 utilized for the calibration of the Weighing System
Class II, Unmarked and High Precision Balances & Scales [1]	(0 to 500) mg (1 to 10) g (51 to 50 000) g	0.04 mg 0.1 mg 0.000 68 % of Applied Load	ASTM E617 Class 2 Weights and NIST Handbook 44 utilized for the calibration of the Weighing System
Class III, Unmarked & Equivalent Industrial Scales [1,2]	(0.1 to 25 lb) (0.02 to 500 000) lb (0.1 to 11.5) kg (0.01 to 100 000) kg	0.012 % of Applied Load 0.006 % of Applied Load 0.012 % of Applied Load 0.006 % of Applied Load	NIST Class F and/or ASTM E617 Class 6 Weights and NIST Handbook 44 utilized for the calibration of the Weighing System
Class IIIL Vehicle and Hopper Scales [1]	(10 000 to 500 000) lb	0.039 % of Applied Load	NIST Class F and/or ASTM E617 Class 6 Weights and NIST Handbook 44 utilized for the calibration of the Weighing System

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 but not limited to lab balances, bench scales, floor scales, crane/hanging scales, tank and hopper scales, forklift scales and vehicle scales.
3. The CMCs for balances and scales are highly dependent on the resolution of the unit under test. The CMCs presented 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.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. L1166.12-1

Jason Stine, Vice President