



# CERTIFICATE OF ACCREDITATION

**ANSI National Accreditation Board**  
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**Kanawha Scales and Systems, Inc.**  
**100 Piper Lane**  
**Alabaster, AL 35007**

has been assessed by ANAB and meets the requirements of international standard

**ISO/IEC 17025:2017**

while demonstrating technical competence in the field of

**CALIBRATION**

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L1166.07-1

Certificate Number



ANAB Approval

Certificate Valid Through: 03/27/2021  
Version No. 003 Issued: 03/26/2019



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, Inc.

100 Piper Lane
Alabaster, AL 35007
Alex Padon
304-464-5312

CALIBRATION

Valid to: March 27, 2021

Certificate Number: L1166.07-1

Mass and Mass Related

Table with 4 columns: Parameter/Equipment, Range, Expanded Uncertainty of Measurement (+/-), Reference Standard, Method, and/or Equipment. Rows list various weighing systems and their calibration ranges and uncertainties.



# ANSI National Accreditation Board

## Mass and Mass Related

| Parameter/Equipment                         | Range               | Expanded Uncertainty of Measurement (+/-) | Reference Standard, Method, and/or Equipment  |
|---|---------------------|---|---|
| Weighing Systems<br>(0.000 2 lb Resolution) | Up to 2 lb          | 0.000 35 lb                               | NIST Class F and/or<br>ASTM E617 Class 6<br>Weights and NIST<br>Handbook 44 utilized for<br>the calibration of the<br>Weighing System |
| (0.000 5 lb Resolution)                     | Up to 5 lb          | 0.000 87 lb                               |   |
| (0.001 lb Resolution)                       | Up to 10 lb         | 0.001 7 lb                                |   |
| (0.002 lb Resolution)                       | Up to 20 lb         | 0.003 5 lb                                |   |
| (0.005 lb Resolution)                       | Up to 50 lb         | 0.008 7 lb                                |   |
| (0.01 lb Resolution)                        | Up to 100 lb        | 0.017 lb                                  |   |
| (0.02 lb Resolution)                        | Up to 200 lb        | 0.035 lb                                  |   |
| (0.05 lb Resolution)                        | Up to 500 lb        | 0.078 lb                                  |   |
| (0.1 lb Resolution)                         | Up to 1 000 lb      | 0.16 lb                                   |   |
| (0.2 lb Resolution)                         | Up to 2 000 lb      | 0.31 lb                                   |   |
| (0.5 lb Resolution)                         | Up to 5 000 lb      | 0.71 lb                                   |   |
| (1 lb Resolution)                           | Up to 5 000 lb      | 1.3 lb                                    |   |
| (1 lb Resolution)                           | 5 000 to 10 000 lb  | 1.4 lb                                    |   |
| (2 lb Resolution)                           | Up to 10 000 lb     | 2.6 lb                                    |   |
| (2 lb Resolution)                           | 10 000 to 20 000 lb | 2.8 lb                                    |   |
| (5 lb Resolution)                           | Up to 50 000 lb     | 6.6 lb                                    |   |
| (10 lb Resolution)                          | Up to 100 000 lb    | 13.2 lb                                   |   |
| (20 lb Resolution)                          | Up to 200 000 lb    | 26 lb                                     |   |
| (50 lb Resolution)                          | Up to 500 000 lb    | 65.2 lb                                   |   |
| (100 lb Resolution)                         | Up to 500 000 lb    | 129.4 lb                                  |   |
| (200 lb Resolution)                         | Up to 500 000 lb    | 258.5 lb                                  |   |
| (0.001 g Resolution)                        | Up to 10 g          | 0.001 7 g                                 |   |
| (0.002 g Resolution)                        | Up to 20 g          | 0.003 5 g                                 |   |



Mass and Mass Related

| Parameter/Equipment                      | Range           | Expanded Uncertainty of Measurement (+/-) | Reference Standard, Method, and/or Equipment   |
|--|-----------------|---|--|
| Weighing Systems<br>(0.005 g Resolution) | Up to 50 g      | 0.008 7 g                                 | NIST Class F and/or ASTM E617 Class 6 Weights and NIST Handbook 44 utilized for the calibration of the Weighing System |
| (0.01 g Resolution)                      | Up to 100 g     | 0.017 g                                   |  |
| (0.02 g Resolution)                      | Up to 200 g     | 0.035 g                                   |  |
| ((0.05 g Resolution)                     | Up to 500 g     | 0.087 g                                   |  |
| (0.1 g Resolution)                       | Up to 1 000 g   | 0.17 g                                    |  |
| (0.2 g Resolution)                       | Up to 2 000 g   | 0.35 g                                    |  |
| (0.5 g Resolution)                       | Up to 5 000 g   | 0.87 g                                    |  |
| (1 g Resolution)                         | Up to 1 000 g   | 1.7 g                                     |  |
| (2 g Resolution)                         | Up to 20 000 g  | 3.5 g                                     |  |
| (5 g Resolution)                         | Up to 50 000 g  | 8.7 g                                     |  |
| (10 g Resolution)                        | Up to 100 000 g | 17.3 g                                    |  |
| (20 g Resolution)                        | Up to 200 000 g | 31.1 g                                    |  |
| (50 g Resolution)                        | Up to 500 000 g | 77.7 g                                    |  |

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 includes but not limited to lab balances, bench scales, floor scales, tank and hopper scales, and vehicle scales
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L1166.07-1.

Vice President