CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Ashland Scale Company, Inc.
2210 Rocky Lane
Ashland, OH 44805

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: 18 March 2028

Certificate Number: L2114-1

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

Ashland Scale Company, Inc.

2210 Rocky Lane
Ashland, OH 44805

Brian Fisher 419-289-2235

CALIBRATION

ISO/IEC 17025 Accreditation Granted: **10 March 2026**

Certificate Number: **L2114-1** Certificate Expiry Date: **18 March 2028**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Mass Standards NIST Class F	0.25 oz 0.5 oz 2 oz 4 oz 8 oz	0.54 mg 0.8 mg 1.6 mg 2.2 mg 4.0 mg	Modified Substitution per NIST SOP 8 using ASTM E617 Class 3 Masses
Mass Standards NIST Class F ASTM E617 Classes 6, 7	0.02 lb 0.05 lb 0.1 lb 0.125 lb 0.2 lb 0.25 lb 0.5 lb 1 lb 2 lb 3 lb 5 lb 10 lb 20 lb 25 lb 50 lb	0.72 mg 0.94 mg 1.5 mg 1.6 mg 2.1 mg 2.2 mg 4.0 mg 14 mg 17 mg 23 mg 34 mg 63 mg 170 mg 190 mg 360 mg	Modified Substitution per NIST SOP 8 using ASTM E617 Class 3 Masses

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Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Mass Standards NIST Class F ASTM E617 Classes 6, 7	1 g 2 g 3 g 5 g 10 g 20 g 30 g 50 g 100 g 129.64 g 200 g 259.18 g 300 g 500 g 648 g 1 kg 1 296 g 1 500 g 2 kg 3 kg 3 240 g 4 kg 5 kg 6 480 g 10 kg 20 kg 25 kg	0.13 mg 0.17 mg 0.20 mg 0.24 mg 0.34 mg 0.47 mg 0.61 mg 0.81 mg 1.3 mg 2.6 mg 2.7 mg 4.2 mg 4.0 mg 7.0 mg 8.9 mg 14 mg 19 mg 21 mg 27 mg 41 mg 44 mg 54 mg 77 mg 88 mg 160 mg 270 mg 340 mg	Modified Substitution per NIST SOP 8 using ASTM E617 Class 3 Masses
Laboratory Balances [1, 2, 3]	(0 to 6 000) g	0.35% + 0.05 mg	Comparison to ASTM E617 Class 1 Masses
Laboratory Balances [1, 2, 3]	(0 to 500) mg (100 to 10 000) g	0.02% + 0.05 mg 0.0014% + 0.5 mg	Comparison to ASTM E617 Class 2 & 3 Masses
Industrial Scales [1, 3]	(0 to 1) lb (1 to 10 000) lb (10 000 to 400 000) lb	0.022% + 30 µlb 0.018% + 0.08 lb 0.014% + 0.65 lb	Comparison to NIST 105-1 Class F Masses
Industrial Scales [1, 3]	(0 to 300) g (300 to 60 000) g (60 to 500) kg	0.028% + 0.001 g 0.014% + 0.03 g 0.014% + 0.036 g	Comparison to NIST 105-1 Class F Masses and Weight Cart

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Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Vehicle Scales [1]	(0 to 500 000) lb	0.014% + 5 lb	Comparison to NIST 105-1 Class F Masses and Weight Cart

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. Class F Weights used on site.
3. Industrial Scales include Bench Scales, Floor Scales, Tank and Hopper Scales, Crane Scales.
4. Ashland Scale Company, Inc. has resident technicians in Cleveland, OH; Toledo, OH; and Columbus, OH
5. 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.

Jason Stine, Vice President

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