



# CERTIFICATE OF ACCREDITATION

**The ANSI National Accreditation Board**

Hereby attests that

**United Scale & Engineering Corporation**  
A TRANSCAT COMPANY  
4123 Terminal Drive  
McFarland, WI 53558

Fulfills the requirements of

**ISO/IEC 17025:2017**

and the national standard

**ANSI/NCSL Z540-1-1994 (R2002)**

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](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 07 September 2025  
Certificate Number: AC-2489.17



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**

**AND**

**ANSI/NCSL Z540-1-1994 (R2002)**

**United Scale & Engineering Corporation**

A TRANSCAT COMPANY

4123 Terminal Dr.

McFarland, WI 53558

Shawn McCord 800-747-4474

**CALIBRATION**

Valid to: **September 7, 2025**

Certificate Number: **AC-2489.17**

**Mass and Mass Related**

<b>Parameter/Equipment</b>	<b>Range</b>	<b>Expanded Uncertainty of Measurement (+/-)</b>	<b>Reference Standard, Method, and/or Equipment</b>
Class I Balances <sup>1</sup> (10 µg resolution)	Up to 100 g	0.33 mg	ASTM E617 Class 1 Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
	Up to 230 g	0.74 mg	
(0.1 mg resolution)	Up to 610 g	2 mg	
Class I Balances <sup>1</sup> (10 µg resolution)	Up to 100 g	0.2 mg	ASTM E617 Class 0 Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
	Up to 230 g	0.44 mg	
(0.1 mg resolution)	Up to 420 g	0.88 mg	
Class II Balances <sup>1</sup> (1 mg resolution)	Up to 610 g	2.3 mg	ASTM E617 Class 1 Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
(10 mg resolution)	Up to 6 100 g	23 mg	

**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Class II Balances <sup>1</sup> (0.1 g resolution)  (0.5 g resolution)	Up to 32 kg  Up to 34 kg	0.23 g  0.62 g	ASTM E617 Class 2 Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
Class II Balances <sup>1</sup> (1 mg resolution)  (0.1 g resolution)  (0.5 g resolution)  (1 g resolution)	Up to 6 400 g  Up to 32 kg  Up to 34 kg  Up to 64 kg Up to 100 kg Up to 200 kg	0.81 mg  3.9 g  4.2 g  7.8 g 13 g 24 g	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
Class III Light Capacity Scales <sup>1</sup> (0.000 5 lb resolution)  (0.001 lb resolution)  (0.002 lb resolution)  (0.005 lb resolution)  (0.01 lb resolution)  (0.02 lb resolution)  (0.05 lb resolution)	Up to 2 lb  Up to 5 lb  Up to 10 lb  Up to 20 lb  Up to 50 lb  Up to 100 lb  Up to 200 lb	0.000 69 lb  0.001 3 lb  0.002 6 lb  0.006 3 lb  0.014 lb  0.027 lb  0.063 lb	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
Class III Medium Capacity Scales <sup>1</sup> (0.1 lb resolution)  (0.2 lb resolution)  (0.5 lb resolution)  (1 lb resolution)	Up to 500 lb  Up to 1 000 lb  Up to 2 000 lb  Up to 5 000 lb	0.14 lb  0.27 lb  0.63 lb  1.4 lb	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.

**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Class III Medium Capacity Scales <sup>1</sup> (2 lb resolution) (5 lb resolution)	Up to 10 000 lb	2.7 lb	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
	Up to 20 000 lb	6.3 lb	
Class III Medium Capacity Scales <sup>1</sup> (0.1 kg resolution) (0.2 kg resolution) (0.3 kg resolution) (0.5 kg resolution) (1 kg resolution)	Up to 400 kg	0.13 kg	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
	Up to 600 kg	0.14 kg	
	Up to 1 000 kg	0.27 kg	
	Up to 2 500 kg	0.46 kg	
	Up to 5 000 kg	0.84 kg	
Class III Heavy Capacity Scales <sup>1</sup> (10 lb resolution) (20 lb resolution)	Up to 50 000 lb	13 lb	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
	Up to 100 000 lb	24 lb	
	Up to 200 000 lb	24 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. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2489.17.



Jason Stine, Vice President