



# CERTIFICATE OF ACCREDITATION

**The ANSI National Accreditation Board**

Hereby attests that

**United Scale & Engineering Corporation**

**A TRANSCAT COMPANY**

**16725 W. Victor Road**

**New Berlin WI 53151**

**(including satellite location listed on the scope)**

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).

Jason Stine, Vice President

Expiry Date: 07 September 2025  
Certificate Number: AC-2489.16



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

16725 W. Victor Road

New Berlin, WI 53151

Dan Christianson 800-236-1733

**CALIBRATION**

Valid to: **September 7, 2025**

Certificate Number: **AC-2489.16**

**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 II Balances <sup>1</sup> (1 mg resolution)	Up to 610 g	3.9 mg	OIML Class F1 Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
(10 mg resolution)	Up to 6 100 g	39 mg	
Class II Balances <sup>1</sup> (1 mg resolution)	Up to 6 400 g	0.81 g	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
(0.1 g resolution)	Up to 32 kg	3.9 g	
(0.5 g resolution)	Up to 34 kg	4.2 g	
(1 g resolution)	Up to 64 kg	7.8 g	
	Up to 100 kg	13 g	
	Up to 200 kg	24 g	



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**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Class III Light Capacity Scales <sup>1</sup> (0.000 5 lb resolution)	Up to 2 lb	0.000 63 lb	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
(0.001 lb resolution)	Up to 5 lb	0.001 3 lb	
(0.002 lb resolution)	Up to 10 lb	0.002 6 lb	
(0.005 lb resolution)	Up to 20 lb	0.006 3 lb	
(0.01 lb resolution)	Up to 50 lb	0.014 lb	
(0.02 lb resolution)	Up to 100 lb	0.027 lb	
(0.05 lb resolution)	Up to 200 lb	0.063 lb	
Class III Medium Capacity Scales <sup>1</sup> (0.1 lb resolution)	Up to 500 lb	0.14 lb	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
(0.2 lb resolution)	Up to 1 000 lb	0.27 lb	
(0.5 lb resolution)	Up to 2 000 lb	0.63 lb	
(1 lb resolution)	Up to 5 000 lb	1.4 lb	
(2 lb resolution)	Up to 10 000 lb	2.7 lb	
(5 lb resolution)	Up to 20 000 lb	6.9 lb	
Class III Medium Capacity Scales <sup>1</sup> (0.1 kg resolution)	Up to 400 kg Up to 600 kg	0.13 kg 0.14 kg	NIST Class F Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
(0.2 kg resolution)	Up to 1 000 kg	0.27 kg	
(0.3 kg resolution)	Up to 2 500 kg	0.46 kg	
(0.5 kg resolution)	Up to 5 000 kg	0.84 kg	
(1 kg resolution)	Up to 9 000 kg	1.6 kg	



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Class IIIIL Heavy Capacity Scales <sup>1</sup> (10 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.
(20 lb resolution)	Up to 100 000 lb	24 lb	
	Up to 200 000 lb	24 lb	

**Services performed at satellite laboratory**

1322 Russett Court  
Green Bay, WI 54313

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	Up to 230 g	0.74 mg	
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Class II Balances <sup>1</sup> (1 mg resolution)	Up to 610 g	3.9 mg	OIML Class F1 Weights and internal calibration procedure CPM-CAL-001 utilized for the calibration of the weighing system.
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(0.1 g resolution)	Up to 32 kg	3.9 g	
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(0.002 lb resolution)	Up to 10 lb	0.002 6 lb	
(0.005 lb resolution)	Up to 20 lb	0.006 3 lb	
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**Mass and Mass Related**

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(20 lb resolution)	Up to 100 000 lb	24 lb	
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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-2489.16.



Jason Stine, Vice President

