



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 standards

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.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 07 September 2021

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
Dan Christianson
800-236-1733

CALIBRATION

Valid to: **September 7, 2021**

Certificate Number: **AC-2489.17**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Class I Balances	Up to 100 g	0.11 mg	ASTM Class F1 weights
	Up to 230 g	0.2 mg	
	Up to 610 g	0.52 mg	
Class I Balances	Up to 100 g	0.15 mg	ASTM Class 0 weights
	Up to 230 g	0.29 mg	
	Up to 610 g	0.72 mg	
Class II Balances	Up to 610 g	1.4 mg	ASTM Class F1 weights
	Up to 6 100 g	13 mg	
Class II Balances	Up to 32 kg	0.24 g	ASTM Class 2 weights ASTM Class 2 weights
	Up to 34 kg	0.6 g	
Class II Balances	Up to 6 400 g	7.1 mg	ASTM Class F weights
	Up to 32 kg	0.12 g	
	Up to 34 kg	0.65 g	
	Up to 64 kg	7.1 g	
	Up to 100 kg	12 g	
Class III Light capacity Scales	Up to 200 kg	24 g	ASTM Class F weights
	Up to 2 lb	0.000 62 lb	
	Up to 5 lb	0.001 6 lb	
	Up to 10 lb	0.003 3 lb	
	Up to 20 lb	0.006 2 lb	
	Up to 50 lb	0.013 lb	
Up to 100 lb	0.026 lb		
Up to 200 lb	0.062 lb		

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Class III Medium Capacity Scales	Up to 500 lb	0.13 lb	ASTM Class F weights
	Up to 1 000 lb	0.26 lb	
	Up to 2 000 lb	0.62 lb	
	Up to 5 000 lb	1.2 lb	
	Up to 10 000 lb	2.3 lb	
	Up to 20 000 lb	5.8 lb	
Class III Medium Capacity Scales	Up to 400 kg	0.13 kg	ASTM Class F weights
	Up to 600 kg	0.14 kg	
	Up to 1 000 kg	0.24 kg	
	Up to 2 500 kg	0.45 kg	
	Up to 5 000 kg	0.65 kg	
	Up to 9 000 kg	1.1 kg	
Class IIIIL Heavy Capacity Scales	Up to 50 000 lb	12 lb	ASTM Class F weights
	Up to 100 000 lb	23 lb	
	Up to 200 000 lb	23 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.



R. Douglas Leonard Jr., VP, PILR SBU