



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

United Scale & Engineering Corporation
A TRANSCAT COMPANY

16725 W. Victor Road

New Berlin WI 53151

(including satellite location listed on the scope)

has been assessed by ANAB

and meets the requirements of international standard

ISO/IEC 17025:2005

and national standard

ANSI/NCSL Z540-1-1994

while demonstrating technical competence in the field of

CALIBRATION

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

AC-2489.16

Certificate Number


ANAB Approval

Certificate Valid: 06/08/2018-09/07/2019

Version No. 012 Issued: 06/08/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005 &
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, 2019**

Certificate Number: **AC-2489.16**

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 2 lb	0.000 62 lb	ASTM Class F weights
	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 III 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	

Services performed at satellite laboratory

1322 Russett Court
Green Bay, WI 54313

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
	Up to 34 kg	0.6 g	ASTM Class 2 weights



Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Class II Balances	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	7.1 mg 0.12 g 0.65 g 7.1 g 12 g 24 g	ASTM Class F weights
Class III Light capacity Scales	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 62 lb 0.001 6 lb 0.003 3 lb 0.006 2 lb 0.013 lb 0.026 lb 0.062 lb	ASTM Class F weights
Class III Medium Capacity Scales	Up to 500 lb Up to 1 000 lb Up to 2 000 lb Up to 5 000 lb Up to 10 000 lb Up to 20 000 lb	0.13 lb 0.26 lb 0.62 lb 1.2 lb 2.3 lb 5.8 lb	ASTM Class F weights
Class III Medium Capacity Scales	Up to 400 kg Up to 600 kg Up to 1 000 kg Up to 2 500 kg Up to 5 000 kg Up to 9 000 kg	0.13 kg 0.14 kg 0.24 kg 0.45 kg 0.65 kg 1.1 kg	ASTM Class F weights
Class III Heavy Capacity Scales	Up to 50 000 lb Up to 100 000 lb Up to 200 000 lb	12 lb 23 lb 23 lb	ASTM Class F weights

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.



 Vice President