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

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: 12/07/2017-09/07/2019
Version No. 011 Issued: 12/07/2017

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).

ANSI-ASQ National Accreditation Board

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

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Class I Balances	Up to 100 g Up to 230 g Up to 610 g	0.11 mg 0.2 mg 0.52 mg	ASTM Class F1 weights
Class I Balances	Up to 100 g Up to 230 g Up to 610 g	0.15 mg 0.29 mg 0.72 mg	ASTM Class 0 weights
Class II Balances	Up to 610 g Up to 6 100 g	1.4 mg 13 mg	ASTM Class F1 weights
Class II Balances	Up to 32 kg Up to 34 kg	0.24 g 0.6 g	ASTM Class 2 weights ASTM Class 2 weights
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

Mass

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
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 IIIL 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