



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

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

This is to certify that

Worcester Scale Company, Inc.
228 Brooks Street
Worcester, MA 01606

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the field(s) of

CALIBRATION

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

AC-1266

Certificate Number

ANAB Approval

Certificate Valid 03/14/2016-04/09/2017
Version No. 001 Issued: 03/14/2016



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 January 2009).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Worcester Scale Company, Inc.

228 Brooks Street Worcester, MA 01606
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CALIBRATION

Valid to: April 9, 2017

Certificate Number: AC-1266

I. Mechanical

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Class I Balances	Up to 60 g (60 to 120) g (120 to 210) g (210 to 500) g	0.16 mg 0.23 mg 0.31 mg 0.75 mg	Class 0 Weights	NIST Handbook 44 OEM Specifications
Class I Balances	Up to 20 g (20 to 100) g (100 to 200) g (200 to 500) g 500 g to 1 kg (1 to 2) kg	0.09 mg 0.65 mg 0.13 mg 1.9 mg 3.7 mg 7.9 mg	Class 1 Weights	NIST Handbook 44
Class II Scales and Balances	Up to 100 g (100 to 500) g 500 g to 5 kg (5 to 8) kg	1.3 mg 3.7 mg 37 mg 74 mg	Class 1 or 2 Weights	
Class III Scales	Up to 100 lb (100 to 500) lb (500 to 1 000) lb (1 000 to 5 000) lb (5 000 to 10 000) lb	0.016 lb 0.083 lb 0.17 lb 0.59 lb 1.2 lb	Class F Weights	
Class III L Scales	Up to 200 000 lb	23.2 lb		

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Crane Scales	Up to 100 lb (100 to 500) lb (500 to 1 000) lb (1 000 to 2 000) lb	0.026 lb 0.13 lb 0.26 lb 0.63 lb	Class F Weights	WSC-073
	Digital (2 000 to 5 000) lb (5 000 to 10 000) lb (10 000 to 20 000) lb Analog (2 000 to 5 000) lb (5 000 to 10 000) lb (10 000 to 20 000) lb	6.8 lb 13 lb 24 lb 8.2 lb 17 lb 33 lb	Calibrated Load Cell	
Force Gages	Up to 100 lb (100 to 500) lb (500 to 1 000) lb (1 000 to 2 000) lb	0.026 lb 0.13 lb 0.26 lb 0.63 lb	Class F Weights	WSC-072
Mass Class F Weights	Up to 2 g (2 to 20) g (20 to 200) g (200 to 1 000) g (1 to 3) kg (3 to 5) kg (5 to 13) kg (13 to 25) kg (25 to 50) kg	0.139 mg 0.14mg 0.32 mg 13.6 mg 16.3 mg 67.6 mg 632 mg 2960 mg 5450 mg	Class 0,1 and Class F Weights	NIST Handbook 105-1
	Up to 1 lb (1 to 5) lb (5 to 10) lb (10 to 25) lb (25 to 50) lb (50 to 100) lb	13.6 mg 15.4 mg 73 mg 579 mg 2960 mg 5410 mg		

Notes:

1. Calibration and Measurement Capabilities (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of $k=2$.
2. The uncertainty associated when calibrating a balance/scale is dependent on local conditions, such as the resolution of the unit being calibrated and the environment in which the balance/scale is operating. The uncertainty listed in the scope here represents the best uncertainty for a balance/scale which the organization typically calibrates in its laboratory. 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.
3. This scope is formatted as part of a single document including the Certificate of Accreditation No. AC -1266.



Vice-President

