



# 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 fields of

**CALIBRATION**

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

AC-1266

Certificate Number



ANAB Approval

Certificate Valid: 03/10/2018-04/09/2019  
Version No. 008 Issued: 03/10/2018



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

### Worcester Scale Company, Inc.

228 Brooks Street  
Worcester, MA 01606  
Steven Hoogasian  
508-853-2886

### CALIBRATION

Valid to: **April 9, 2019**

Certificate Number: **AC-1266**

#### Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Analytical Balances	Up to 20g	0.05 mg	NIST Handbook 44
	(20 to 60) g	0.16 mg	
	(60 to 120) g	0.23 mg	
	(120 to 210) g	0.35 mg	
	(210 to 500) g	0.75 mg	
Class I Balances	Up to 20 g	0.09 mg	NIST Handbook 44 OEM Specifications
	(20 to 60) g	0.23 mg	
	(60 to 120) g	0.4 mg	
	(120 to 210) g	0.6 mg	
	(210 to 500) g	1.8 mg	
	(500 to 1 000) g	3.1 mg	
	(1 to 2) kg	6.3 mg	
	(2 to 5) kg	19 mg	
	(5 to 10) kg	120 mg	
(10 to 16) kg	130 mg		
Class II Scales and Balances	Up to 100 g	0.58 mg	NIST Handbook 44
	(100 to 500) g	2.9 mg	
	(500 to 1 000) g	5.8 mg	
	(1 to 5) kg	29 mg	
	(5 to 8) kg	47 mg	



Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Class III Scales	Up to 10 lb	0.001 7 lb	NIST Handbook 44
	(10 to 15) lb	0.002 9 lb	
	(15 to 30) lb	0.007 lb	
	(30 to 50) lb	0.008 3 lb	
	(50 to 100) lb	0.017 lb	
	(100 to 500) lb	0.083 lb	
	(500 to 1 000) lb	0.17 lb	
	(1 000 to 5 000) lb	0.84 lb	
(5 000 to 10 000) lb	1.7 lb		
Class III L Scales	Up to 200 000 lb	24 lb	
Crane Scales	Digital		WSC-073
	Up to 10 lb	0.001 7 lb	
	(10 to 50) lb	0.008 3 lb	
	(50 to 100) lb	0.013 lb	
	(100 to 500) lb	0.13 lb	
	(500 to 1 000) lb	0.17 lb	
	(1 000 to 2 000) lb	0.34 lb	
	(2 000 to 5 000) lb	6.8 lb	
	(5 000 to 10 000) lb	13 lb	
	(10 000 to 20 000) lb	24 lb	
Analog			
(2 000 to 5 000) lb	8.2 lb		
(5 000 to 10 000) lb	17 lb		
(10 000 to 20 000) lb	33 lb		
Force Gages	Up to 10 lb	0.001 7 lb	WSC-072
	(10 to 50) lb	0.008 3 lb	
	(50 to 100) lb	0.013 lb	
	(100 to 500) lb	0.13 lb	
	(500 to 1 000) lb	0.17 lb	
	(1 000 to 2 000) lb	0.34 lb	



Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Mass Class F Weights	Up to 2 g	0.138 mg	NIST Handbook 105-1
	(2 to 20) g	0.14 mg	
	(20 to 200) g	0.14 mg	
	(200 to 1 000) g	13.6 mg	
	(1 to 3) kg	16.3 mg	
	(3 to 5) kg	19.2 mg	
	(5 to 13) kg	39.4 mg	
	(13 to 25) kg	84.3 mg	
	(25 to 50) kg	3 040 mg	
	Up to 1 lb	0.75 mg	
	(1 to 5) lb	14.5 mg	
	(5 to 10) lb	18.1 mg	
	(10 to 25) lb	36.7 mg	
	(25 to 50) lb	84.2 mg	
(50 to 100) lb	3 000 mg		

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-1266.

Vice President