



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

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

This is to certify that

Wingfield Scale Company, Inc.
2205 S. Holtzclaw Ave.
Chattanooga, TN 37404

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-1268

Certificate Number


ANAB Approval

Certificate Valid: 04/19/2017-04/27/2019
Version No. 007 Issued: 04/19/2017



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 January 2009).



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 AND
ANSI/NCSL Z540-1-1994 (R2002)**

Wingfield Scale Company, Inc.

2205 S Holtzclaw Ave., Chattanooga, TN 37404

Joseph D. Wingfield Phone: 423-698-0100

joseph@wingfieldscale.com www.wingfieldscale.com

CALIBRATION

Valid to: April 27, 2019

Certificate Number: AC-1268

Mass

Parameter / Equipment ⁴	Range ²	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Class I Balances	Up to 100 g (0.01 mg)	0.03 mg	Class 1 Weights
	Up to 100 g (0.02 mg)	0.02 mg	
	Up to 100 g (0.05 mg)	0.06 mg	
	Up to 200 g (0.1 mg)	0.13 mg	
	Up to 200 g (0.2 mg)	0.24 mg	
	Up to 200 g (0.5 mg)	0.58 mg	
Class II Balances	Up to 100 g (0.001 g)	0.001 2 g	Class 1 and Class F Weights
	Up to 200 g (0.002 g)	0.001 3 g	
	Up to 500 g (0.005 g)	0.006 g	
	Up to 1 kg (0.01 g)	0.012 g	
	Up to 2 kg (0.02 g)	0.023 g	
	Up to 5 kg (0.05 g)	0.058 g	
	Up to 10 kg (0.1 g)	0.12 g	
	Up to 20 kg (0.2 g)	0.24 g	
	Up to 50 kg (0.5 g)	0.59 g	
	Up to 50 kg (1 g)	1.2 g	
	Up to 50 kg (2 g)	2.3 g	
Up to 50 kg (5 g)	5.9 g		
Class III Light Capacity Scales	Up to 1 lb (0.000 1 lb)	0.000 12 lb	Class F Weights
	Up to 2 lb (0.000 2 lb)	0.000 23 lb	
	Up to 5 lb (0.000 5 lb)	0.000 59 lb	
	Up to 10 lb (0.001 lb)	0.001 2 lb	
	Up to 20 lb (0.002 lb)	0.002 3 lb	
	Up to 50 lb (0.005 lb)	0.006 3 lb	
	Up to 100 lb (0.01 lb)	0.012 lb	
	Up to 200 lb (0.02 lb)	0.024 lb	



Mass

Parameter / Equipment ⁴	Range ²	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Class III Medium Capacity Scales	Up to 500 lb (0.05 lb)	0.059 lb	Class F Weights
	Up to 1 000 lb (0.1 lb)	0.13 lb	
	Up to 2 000 lb (0.2 lb)	0.25 lb	
	Up to 5 000 lb (0.5 lb)	0.59 lb	
	Up to 10 000 lb (1 lb)	1.3 lb	
	Up to 20 000 lb (2 lb)	2.5 lb	
	Up to 50 000 lb (5 lb)	5.9 lb	
Class III L Heavy Capacity Scales	Up to 50 000 lb (10 lb)	12 lb	Class F Weights
	Up to 200 000 lb (20 lb)	23 lb	
	Up to 400 000 lb (50 lb)	58 lb	
Class IV Scales	Up to 12 000 lb (10 lb)	12 lb	Class F Weights
	Up to 24 000 lb (20 lb)	23 lb	
	Up to 60 000 lb (50 lb)	58 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. Numbers in parentheses within the "Range" column indicate resolution.
3. This organization also calibrates balances/scales that are not classified and are referred to as unmarked devices. The calibration and measurement uncertainty of an unmarked device would be identical to that of the classified device listed above with the same division size.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1268.



Vice President

