



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board/AClass
500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

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

has been assessed by AClass
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(s) of

CALIBRATION

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

AC-1268

Certificate Number

AClass Approval



Certificate Valid: 03/08/2011-04/27/2013
Version No. 002 Issued: 03/08/2011



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 & ANSI/NCSL Z540-1-1994**

Wingfield Scale Company, Inc.

2205 Holtzclaw Ave., Chattanooga, TN 37404
Joseph D. Wingfield Phone: 423-698-0100

CALIBRATION

Valid to: April 27, 2013

Certificate Number: AC-1268

I. Mechanical

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Class I Balances	Up to 100 g (0.01 mg) Up to 100 g (0.02 mg) Up to 100 g (0.05 mg) Up to 200 g (0.1 mg) Up to 200 g (0.2 mg) Up to 200 g (0.5 mg)	0.29 mg 0.29 mg 0.30 mg 0.60 mg 0.63 mg 0.82 mg	Class 1 Weights	NIST Handbook 44 / WSC Field Test Procedure
Class II Balances	Up to 100 g (0.001 g) Up to 200 g (0.002 g) Up to 500 g (0.005 g) Up to 1 kg (0.01 g) Up to 2 kg (0.02 g) Up to 5 kg (0.05 g) Up to 10 kg (0.1 g) Up to 20 kg (0.2 g) Up to 50 kg (0.5 g) Up to 50 kg (1 g) Up to 50 kg (2 g) Up to 50 kg (5 g)	0.0012 g 0.0023 g 0.0060 g 0.012 g 0.024 g 0.059 g 0.12 g 2.4 g 5.9 g 6.0 g 6.3 g 8.3 g	Class 1 and Class F Weights	NIST Handbook 44/ WSC Field Test Procedure
Class III Light Capacity Scales	Up to 1 lb (0.0001 lb) Up to 2 lb (0.0002 lb) Up to 5 lb (0.0005 lb) Up to 10 lb (0.001 lb) Up to 20 lb (0.002 lb) Up to 50 lb (0.005 lb) Up to 100 lb (0.01 lb) Up to 200 lb (0.02 lb)	0.00022 lb 0.00033 lb 0.00083 lb 0.0017 lb 0.0033 lb 0.0083 lb 0.017 lb 0.052 lb	Class F Weights	NIST Handbook 44/ WSC Field Test Procedure
Class III Medium Capacity Scales	Up to 500 lb (0.05 lb) Up to 1 000 lb (0.1 lb) Up to 2 000 lb (0.2 lb) Up to 5 000 lb (0.5 lb) Up to 10 000 lb (1 lb) Up to 20 000 lb (2 lb) Up to 50 000 lb (5 lb)	0.078 lb 0.17 lb 0.33 lb 0.77 lb 1.7 lb 3.3 lb 6.3 lb	Class F Weights	NIST Handbook 44/ WSC Field Test Procedure



PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Class III Heavy Capacity Scales	Up to 50 000 lb (10 lb) Up to 200 000 lb (20 lb) Up to 400 000 lb (50 lb)	12 lb 24 lb 58 lb	Class F Weights	NIST Handbook 44/ WSC Field Test Procedure
Class IV Scales	Up to 12 000 lb (10 lb) Up to 24 000 lb (20 lb) Up to 60 000 lb (50 lb)	12 lb 24 lb 58 lb	Class F Weights	NIST Handbook 44/ WSC Field Test Procedure

Notes:

1. Calibration and Measurement Capabilities (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of $k=2$
2. Numbers in parentheses within the "Range" column indicate resolution.
3. 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 lab. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field (on-site) than what is reported in the accredited scope.
4. 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.
5. This scope is part of and must be included with the Certificate of Accreditation No. AC-1268



Vice President

