



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

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

Fulfills the requirements of
ISO/IEC 17025:2017

and

ANSI/NCSL Z540-1-1994 (R2002)

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R.D.L.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 27 April 2023

Certificate Number: AC-1268



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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 17025:2017 AND
ANSI/NCSL Z540-1-1994 (R2002)**

Wingfield Scale Company, Inc.

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

CALIBRATION

Valid to: **April 27, 2023**

Certificate Number: **AC-1268**

Mass and Mass Related

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

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Class III Light Capacity Scales ¹ (0.000 1 lb resolution) (0.000 2 lb resolution) (0.000 5 lb resolution) (0.001 lb resolution) (0.002 lb resolution) (0.005 lb resolution) (0.01 lb resolution) (0.02 lb resolution)	Up to 1 lb 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 12 lb 0.000 23 lb 0.000 59 lb 0.001 2 lb 0.002 3 lb 0.006 3 lb 0.012 lb 0.024 lb	Class F Weights
Class III Medium Capacity Scales ¹ (0.05 lb resolution) (0.1 lb resolution) (0.2 lb resolution) (0.5 lb resolution) (1 lb resolution) (2 lb resolution) (5 lb resolution)	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 Up to 50 000 lb	0.059 lb 0.13 lb 0.25 lb 0.59 lb 1.3 lb 2.5 lb 5.9 lb	Class F Weights
Class III L Heavy Capacity Scales ¹ (10 lb resolution) (20 lb resolution) (50 lb resolution)	Up to 50 000 lb Up to 200 000 lb Up to 400 000 lb	12 lb 23 lb 58 lb	Class F Weights
Class IV Scales ¹ (10 lb resolution) (20 lb resolution) (50 lb resolution)	Up to 12 000 lb Up to 24 000 lb Up to 60 000 lb	12 lb 23 lb 58 lb	Class F Weights

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature – Measure ¹	(-50 to 1 200) °C	0.545 °C	Type K Thermocouple Or Thermometer

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 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.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1268.



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