



# 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 national standard

**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](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 27 April 2027

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, 2027**

Certificate Number: **AC-1268**

**Mass and Mass Related**

<b>Parameter/Equipment</b>	<b>Range</b>	<b>Expanded Uncertainty of Measurement (+/-)</b>	<b>Reference Standard, Method, and/or Equipment</b>
Class I Balances <sup>1</sup> (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 120 g Up to 120 g Up to 120 g Up to 220 g Up to 220 g Up to 220 g	0.15 mg 0.15 mg 0.16 mg 0.31 mg 0.35 mg 0.53 mg	Comparison to Class 0 Weights
Class II Balances <sup>1</sup> (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 220 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	0.000 9 g 0.000 93 g 0.004 5 g 0.009 3 g 0.019 g 0.046 g 0.093 g 0.19 g 0.46 g 0.89 g 1.8 g 4.4 g	Comparison to Class 1 and Class F Weights

**Mass and Mass Related**

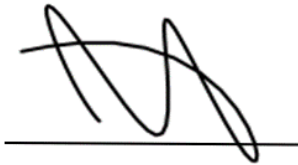
<b>Parameter/Equipment</b>	<b>Range</b>	<b>Expanded Uncertainty of Measurement (+/-)</b>	<b>Reference Standard, Method, and/or Equipment</b>
Class III Light Capacity Scales <sup>1</sup> (0.000 1 lb resolution) (0.000 2 lb resolution) (0.000 5 lb resolution) (0.001 lb resolution) (0.002 lb resolution) (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 2 lb 0.000 41 lb 0.000 75 lb 0.001 5 lb 0.002 9 lb 0.007 5 lb 0.015 lb 0.03 lb	Comparison to Class F Weights
Class III Medium Capacity Scales <sup>1</sup> (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	0.075 lb 0.11 lb 0.19 lb 0.46 lb .93 lb 1.8 lb 4.6 lb	Comparison to Class F Weights
Class III L Heavy Capacity Scales <sup>1</sup> (10 lb resolution) (20 lb resolution) (50 lb resolution)	Up to 50 000 lb Up to 200 000 lb Up to 400 000 lb	8.9 lb 18 lb 45 lb	Comparison to Class F Weights
Class IV Scales <sup>1</sup> (10 lb resolution) (20 lb resolution) (50 lb resolution)	Up to 12 000 lb Up to 24 000 lb Up to 60 000 lb	8.9 lb 18 lb 44 lb	Comparison to Class F Weights

**Thermodynamic**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature – Measure <sup>1</sup>	(-50 to 200) °C	1.4 °C	Comparison to 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.



Jason Stine, Vice President

