



# CERTIFICATE OF ACCREDITATION

## ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**Alpha-Liberty Company, Inc.**  
**7185 Liberty Centre Drive, Suite E**  
**West Chester, OH 45069**

has been assessed by ANAB and meets the requirements of international standard

**ISO/IEC 17025:2017**

while demonstrating technical competence in the field of

**CALIBRATION**

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AC-1127

Certificate Number

  
ANAB Approval

Certificate Valid Through: 09/27/2021  
Version No. 008 Issued: 06/26/2019



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

**Alpha-Liberty Company, Inc.**

7185 Liberty Centre Drive, Suite E

West Chester, Ohio 45069

Bernd Rau

513-777-1525

**CALIBRATION**

Valid to: **September 27, 2021**

Certificate Number: **AC-1127**

**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Mass Artifacts	1 mg to 5 g (2 to 5) g	0.002 6 mg 0.004 3 mg	Class 0 Weights, Microbalance 0.000 000 1 g
	(5 to 10) g (10 to 50) g (50 to 200) g	0.0078 mg 0.022 mg 0.034 mg	Class 0 Weights, Semi-Micro Balance 0.000 001 g
	(200 to 500) g (500 to 1 000) g	0.17 mg 0.23 mg	Class 0 Weights, Analytical Balance 0.0001 g
	(1 000 to 2 000) g (2 000 to 5 000) g (5 000 to 10 000) g	1.5 mg 1.9 mg 2.6 mg	Class 0 Weights, Precision Balance 0.001 g
Mass Artifacts <sup>3</sup>	Up to 20 000 g (20 000 to 50 000) g (50 000 to 60 000) g	18 mg 30 mg 48 mg	Class 1 Weights, High Capacity Balance 0.01 g
Balances <sup>2</sup>	Up to 2 g (2 to 5) g (5 to 50) g	0.007 9 mg 0.013 mg 0.047 mg	Class 1 Weights
	Up to 200 g	0.11 mg	Class 1 Weights
	Up to 1 000 g	0.64 mg	Class 1 Weights
	Up to 10 000 g	16 mg	Class 1 Weights
	Up to 60 000 g	188 mg	Class 1 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>
Scales <sup>2</sup>	Up to 200 kg	4.8 g	Class 4 Weights
	Up to 30 lb	1.7 g	Class F Weights
	Up to 500 lb	28 g	Class F Weights
Balances Minimum Sample Quantity	Up to 60 kg	0.1 % of reading	ASTM Class 1 Weights

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. The CMC for scales and balances is highly dependent upon the resolution of the unit under test. The CMC presented here does include the resolution of the unit under test. The resolution will be included in the reported measurement uncertainty at the time of calibration.
3. Weights in this range can be calibrated to ASTM Class 2.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1127.



Vice President