



# CERTIFICATE OF ACCREDITATION

**The ANSI National Accreditation Board**

Hereby attests that

**Geller MicroAnalytical Laboratory**  
**426e Boston Street**  
**Topsfield, MA 01983**

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

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

Jason Stine, Vice President  
Expiry Date: 14 August 2026  
Certificate Number: AC-1236



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)**

**Geller MicroAnalytical Laboratory**

426e Boston Street  
Topsfield, MA 01983  
Joseph Geller 978-887-7000

**CALIBRATION**

Valid to: **August 14, 2026**

Certificate Number: **AC-1236**

**Length – Dimensional Metrology**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Magnification Standard Pitch	0.1 µm	3 nm	Scanning Electron Microscope Primary Standard
	0.5 µm	38 nm	
	1 µm	30 nm	
	2 µm	31 nm	
	50 µm	0.1 µm	
	500 µm	0.25 µm	
Stage Micrometer Pitch	10 µm	1.1 µm	Optical Microscope Primary Standard
	100 µm	1.1 µm	
	10 mm	2.9 µm	
	150 mm	2.9 µm	
Step Height	0.1 µm	5 nm	Profilometry Primary Standard

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 scope is formatted as part of a single document including Certificate of Accreditation No. AC-1236.



Jason Stine, Vice President