



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Geller MicroAnalytical Laboratory

426 Boston Street

Topsfield, MA 01903

has been assessed by ANAB
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 of

CALIBRATION

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

AC-1236

Certificate Number


ANAB Approval

Certificate Valid: 08/08/2016-08/14/2018
Version No. 009 Issued: 08/08/2016



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).



ANSI-ASQ National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 & ANSI/NCSL Z540-1-1994

Geller MicroAnalytical Laboratory

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CALIBRATION

Valid to: August 14, 2018

Certificate Number: AC-1236

I. Dimensional

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Magnification Standard Pitch	0.1 µm 0.5 µm 1 µm 2 µm 50 µm 500 µm	0.003 µm 0.038 µm 0.03 µm 0.031 µm 0.104 µm 0.25 µm	Scanning Electron Microscope Primary Standard	Comparison
Stage Micrometer Pitch	10 µm 100 µm 10 mm 150 mm	1.1 µm 1.1 µm 2.9 µm 2.9 µm	Optical Microscope Primary Standard	Comparison
Step Height	0.1 µm	0.005 µm	Profilometry Primary Standard	Comparison

Notes:

1. Calibration and Measurement Capabilities (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of k=2
2. This organization conducts calibration of magnification standards.
3. This scope is formatted as part of a single document including the Certificate of Accreditation No. AC-1236


 Vice President

