

CERTIFICATE OF ACCREDITATION

ACCLASS Accreditation Services

2009 N. 14th Street, Suite 502, Arlington, VA 22201, 877.344.3044

This is to certify that

Geller MicroAnalytical Laboratory

426 Boston Street
Topsfield, MA 01903

has been assessed by ACLASS[®]
and meets the requirements of international standard

ISO/IEC 17025:2005
& **ANSI/NCSL Z540-1-1994**

while demonstrating technical competence in the field(s) of

CALIBRATION

Refer to the accompanying Scope(s) of Accreditation for
information regarding the types of calibrations and/or
tests/types to which this accreditation applies.

AC-1236

CERTIFICATE NUMBER



ACCLASS APPROVAL



Certificate Valid: 8/13/2007-8/14/2008





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

Geller MicroAnalytical Laboratory

426 Boston Street, Topsfield, MA 01903
Joseph Geller Phone: 978-887-7000

CALIBRATION

Valid to: August 14, 2008

Certificate Number: AC-1236

I. Dimensional

PARAMETER/ EQUIPMENT	RANGE	BEST MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Pitch	0.1 µm 0.5 µm 1 µm 2 µm 50 µm 500 µm 150 mm	0.005 µm 0.038 µm 0.03 µm 0.031 µm 0.05 µm 0.25 µm 2.9 µm	Scanning Electron Microscope Primary Standard	Comparison
Step Height	0.1 µm	0.005 µm	Profilometry Primary Standard	Comparison

Notes:

1. Best Measurement Uncertainties (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 part of and must be included with the Certificate of Accreditation No. AC-1236

President/CEO

