



# CERTIFICATE OF ACCREDITATION

**ANSI-ASQ National Accreditation Board**

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

This is to certify that

**Eastern Applied Research, Inc.**

**6614 Lincoln Avenue**

**Lockport, NY 14094**

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

**ISO/IEC 17025:2005**

and national standard

**ANSI/NCSL Z540-1-1994 (R2002)**

while demonstrating technical competence in the fields of

**CALIBRATION**

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

L2146

Certificate Number

  
ANAB Approval

Certificate Valid: 12/13/2018-12/17/2020  
Version No. 002 Issued: 12/13/2018



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 April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 AND ANSI/NCSL Z540-1:1994 (R2002)

Eastern Applied Research, Inc.

6614 Lincoln Avenue  
Lockport, NY 14094  
Shannon Carder  
716-201-1115

CALIBRATION

Valid to: December 17, 2020

Certificate Number: L2146

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
XRF Instruments <sup>1</sup>	(0.15 to 30) μm	4.5 % of reading	ASTM B568 (XRF)
Coating Thickness Standards (Single or Outer Layers)	(0.15 to 30) μm	4.5 % of reading	ASTM B568 (XRF)
Standards (Inner Layer)		5 % of reading	

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. L2146.

Vice President

