



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Eastern Applied Research, Inc.
6614 Lincoln Avenue
Lockport, NY 14094

Fulfills the requirements of

ISO/IEC 17025:2017

and national standard

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.

A handwritten signature in black ink, appearing to read 'R. D. L.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 17 December 2022

Certificate Number: L2146



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)**

Eastern Applied Research, Inc.

6614 Lincoln Avenue
Lockport, NY 14094
Paige Congi
716-201-1115

CALIBRATION

Valid to: **December 17, 2022**

Certificate Number: **L2146**

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
XRF Instruments ¹	(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)	(0.15 to 30) μm	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.



R. Douglas Leonard Jr., VP, PILR SBU