



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

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 17 December 2024

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, 2024**

Certificate Number: **L2146**

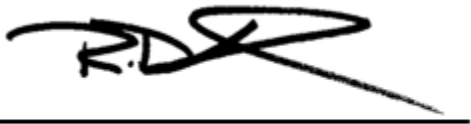
**Length – Dimensional Metrology**

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