**ANAB**
*ANSI* National Accreditation Board

# 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.

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Jason Stine, Vice President
Expiry Date: 17 December 2026
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
Andrew Cinotti     716-201-1115

## CALIBRATION

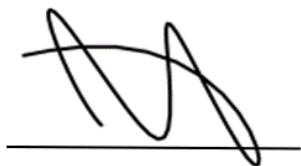Valid to: **December 17, 2026**          Certificate Number: **L2146**

**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 | Per ASTM B568 (XRF) |
| Coating Thickness<br><br>Standards (Single or Outer Layers) | (0.15 to 30) µm | 4.5 % of reading | Per 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.

Jason Stine, Vice President