



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

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 17025:2017

and national standard

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

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L2146
Certificate Number


ANAB Approval

Certificate Valid Through: 12/17/2020
Version No. 003 Issued: 12/30/2019



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).



ANSI National Accreditation Board

**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
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 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)		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