



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

KTA-TATOR, INC.
 145 Enterprise Drive
 Pittsburgh, PA 15275
 Kim Werry Phone: 412 746 4301

CALIBRATION

Valid To: May 31, 2025

Certificate Number: 2455.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 4}:

I. Dimensional

Parameter/Equipment	Range	CMC ^{2, 3, 5} (±)	Comments
Coating Thickness Eddy Current and Magnetic Induction – Measuring Equipment	Up to 3 mils	1.3 %	Coated plates
	(3 to 10) mils	0.4 %	
	(10 to 60) mils	0.75 %	
	15 mils	0.31 mils	Polystyrene blocks
	60 mils	0.27 mils	
	80 mils	0.40 mils	
	100 mils	1.3 mils	
	125 mils	0.47 mils	
	185 mils	1.1 mils	
	250 mils	0.64 mils	
	375 mils	1.6 mils	
	480 mils	0.93 mils	
	Up to 1 mil	0.67 %	Shims
	(1 to 3) mils	3.7 %	
	(3 to 5) mils	2.7 %	
(5 to 10) mils	1.7 %		
(10 to 20) mils	1.4 %		
(20 to 40) mils	0.75 %		
(40 to 60) mils	0.50 %		
Thickness Gages	Up to 5 mils Up to 40 mils	4.6 µm 4.8 µm	Feeler gage

Parameter/Equipment	Range	CMC ² (±)	Comments
Depth Profile Meters	Up to 30 mils	4.7 μm	Feeler gage

II. Electrical – DC/Low Frequency

Parameter/Equipment	Range	CMC ^{2, 6} (±)	Comments
DC Voltage – Measure	(60 to 75) V	0.13 V	Fluke 117

III. Mechanical

Parameter/Equipment	Range	CMC ² (±)	Comments
Pressure Gages – Pneumatic	Up to 150 psig	0.65 psi	Pressure generator

IV. Thermodynamics

Parameter/Equipment	Frequency	CMC ^{2, 5} (±)	Comments
Temperature – Measuring Equipment	(67 to 75) °F	0.34 °F	Fluke 1523/5619 PRT
Infrared – Measuring Equipment	(60 to 248) °F	0.71 °F	Fluke 4180 ε = 0.95 λ = (8 to 14) μm
Relative Humidity – Measuring Equipment	(35 to 65) % RH	1.3 % RH	Vaisala HM70/HMP77
Surface Temperature – Measuring Equipment	(0 to 100) °F (101 to 300) °F	0.40 °F 2.0 °F	Fluke 1523/5619 PRT

- ¹ This laboratory may offer commercial calibration service.
- ² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.
- ³ In the statement of CMC, percentages are percentage of reading, unless otherwise indicated.
- ⁴ This scope meets A2LA's *P112 Flexible Scope Policy*.
- ⁵ The type of instrument or material being calibrated is defined by the parameter. This indicates the laboratory is capable of calibrating instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.
- ⁶ The stated measured values are determined using the indicated instrument (see Comments). This capability is suitable for the calibration of the devices intended to measure or generate the measured value in the ranges indicated. CMCs are expressed as either a specific value that covers the full range or as a percent or fraction of the reading plus a fixed floor specification.



Accredited Laboratory

A2LA has accredited

KTA – TATOR, INC.

Pittsburgh, PA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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).



Presented this 25th day of August 2023.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2455.02
Valid to May 31, 2025

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.