SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
& ANSI/NCSL Z540-1-1994

ST. LOUIS TESTING LABORATORIES, INC.
A SUBSIDIARY OF
INDUSTRIAL INSPECTION & ANALYSIS, INC.
2810 Clark Avenue
St. Louis, MO 63103
Don Baumer Phone: 314-531-8080

CALIBRATION

Valid To: July 31, 2025 Certificate Number: 397.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1, 3]:

I. Dimensional

Parameter/Equipment	Range	CMC[2] (±)	Comments
Micrometers	Up to 1 in (> 1 to 3) in (> 3 to 6) in	190 µin 220 µin 260 µin	Gage blocks
Calipers	Up to 1 in (> 1 to 6) in (> 6 to 12) in	180 µin 300 µin 490 µin	Gage blocks

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8515 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

II. Mechanical

Parameter/Equipment	Range	CMC[2, 4, 5] (±)	Comments
Gauge Pressure - Measuring Equipment			
Pneumatic	(30 to 300) psig	0.17 psig	Druck DPI 610
Hydraulic	(> 10 to 1000) psig (> 1000 to 10 000) psig	0.11 % 0.11 %	Deadweight tester & pressure transducer, Ametek (Model R-50)
	(> 10 to 1000) psig (> 2200 to 10 000) psig	0.056 % 0.017 %	Deadweight tester & pressure transducer, GE (Model 3100)
Torque – Torque Wrenches	(0.5 to 400) oz·in (3.75 to 50) lbf·in (10 to 150) lbf·in (30 to 400) lbf·in (50 to 250) lbf·ft (60 to 600) lbf·ft	0.61 % 0.78 % 0.69 % 0.59% 1.2 % 1.3 %	Torque transducer

[1] This laboratory offers 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] This scope meets A2LA's *P112 Flexible Scope Policy.*

[4] In the statement of CMC, percentage (%) refers to percent of reading, unless otherwise noted.

[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.

Accredited Laboratory

A2LA has accredited

ST. LOUIS TESTING LABORATORIES, INC.
A SUBSIDIARY OF INDUSTRIAL INSPECTION & ANALYSIS, INC.

St. Louis, MO

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 the requirements of ANSI/NCSL Z540-1-1994 and 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 17th day of October 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 397.03
Valid to July 31, 2025

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