



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

INTERNATIONAL CERTIFICATION MEASUREMENTS, INC.
(SUBSIDIARY OF LEADER CORPORATION)

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CALIBRATION

Valid To: June 30, 2025

Certificate Number: 3692.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 7}:

I. Acoustical

Parameter/Equipment	Frequency	CMC ² (±)	Comments
Sound Level Meters ³ – Fixed Points			
94 dB 114 dB	1000 Hz 125 Hz, 2 kHz	0.53 dB 0.53 dB	Sound calibrator

II. Dimensional

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
Micrometers ³ –	Up to 12 in (12 to 24) in	(25 + 4.4L) μin (44 + 4L) μin	Gage blocks, optical flats

Parameter/Equipment	Range	CMC ^{2, 4} (\pm)	Comments
Universal Length Machines (ULM), Universal Measuring Machines (UMM), & Bench Micrometer – Length Force	Up to 1 in Up to 40 ozf	$(7.8 + 1.6L) \mu\text{in}$ 0.02 ozf	Gage blocks Load cell, force gage
Calipers ³	Up to 24 in (24 to 80) in	$(290 + 0.65L) \mu\text{in}$ $(240 + 2.7L) \mu\text{in}$	Gage blocks
Bore Gages ³	(0.04 to 16) in	$(39 + 9.8L) \mu\text{in}$	Ring gages
Length Indicators ³	Up to 2 in	$(42 + 0.24L) \mu\text{in}$	Gage blocks
Bench Comparators – Length Force	Up to 0.01 in Up to 42 ozf	$(6.9 + 0.07L) \mu\text{in}$ 0.02 ozf	Gage blocks Force gage
Depth Micrometer ³	Up to 12 in	$(110 + 1.2L) \mu\text{in}$	Gage blocks, depth master fixture
Optical Comparators & Vision/Video Measuring Systems ³ – Length Angle Magnification	Up to 12 in Up to 90° (10 to 250) x	$(150 + 0.8L) \mu\text{in}$ 0.02° 400 μin	Line/Optical scale Angle blocks Magnification scale
Gage Blocks	Up to 4 in (5 to 20) in	$(2.9 + 2.5L) \mu\text{in}$ $(3.1 + 2.5L) \mu\text{in}$	Gage block comparator, master gage blocks

Parameter/Equipment	Range	CMC ^{2, 4} (\pm)	Comments
External Straight Thread Plug Gages ³ –			
Pitch Diameter	(0.05 to 4) in (4 to 16) in	$(59 + 0.84D) \mu\text{in}$ $(61 + 2D) \mu\text{in}$	Bench micrometer, length indicator, gage blocks, thread wires
Major Diameter	(0.05 to 4) in	$(28 + 1.9D) \mu\text{in}$	Bench comparator, gage blocks
Angle	Up to 90°	2.6°	Optical comparator
External Tapered Thread ³ –			
Pitch Diameter	(0.05 to 4) in	$(72 + 0.74D) \mu\text{in}$	Bench comparator, gage blocks, thread wires, sine block
Major Diameter	(0.05 to 4) in	$(50 + 1.2D) \mu\text{in}$	Bench comparator, gage blocks, sine block
Angle	Up to 90°	2.6°	Optical comparator
External Tapered Plugs ³ –			
Major Diameter	(0.05 to 4) in	$(51 + 1D) \mu\text{in}$	Bench comparator, gage blocks, sine block
Steps	(0.05 to 4) in	$(61 + 0.05L) \mu\text{in}$	Gage blocks, test indicator
Internal Straight Thread ³ –			
Pitch Diameter	Up to 16 in	$(190 + 1.3D) \mu\text{in}$	Master set plug
Minor Diameter	Up to 16 in	$(85 + 15D) \mu\text{in}$	Pin gages
Thread Ring – Tapered			
Pitch Diameter Minor Diameter	Up to 4 in (0.05 to 4) in	$(98 + 1.4D) \mu\text{in}$ $(28 + 1.9D) \mu\text{in}$	Master setting thread plug - tapered
Steps	(0.05 to 4) in	$(61 + 0.05L) \mu\text{in}$	Gage blocks, test indicator

Parameter/Equipment	Range	CMC ^{2,4} (\pm)	Comments
Length Standards End Measuring Rods ³	(0.5 to 40) in (0.5 to 12) in	(18 + 2.5L) μ in (12 + 3.2L) μ in	Gage blocks, length amplifier, LVDT
Angle Blocks	Up to 90°	14'	Vison/Video measurement system
Radius Gages	Up to 12 in	(45 + 0.05R) μ in	Vision/Video measurement system
Pin Gages Class ZZ	(0.011 to 1) in	(44 + 8.1D) μ in	Laser micrometer
Thread Measuring Wires	(0.004 to 0.3) in	(15 + 0.04D) μ in	Thread measuring wire calibrator, thread wires
Amplifiers ³	10 μ in to 0.001 in	(16 + 0.05L) μ in	Gage blocks
Height Gages ³	Up to 40 in	(450 + 0.09L) μ in	Gage blocks, step gage
Height Master	Up to 18 in	(66 + 1.4L) μ in	Gage blocks, length amplifier & LVDT
PI Tapes	Up to 16 in	(290 + 1.9L) μ in	Plugs
Master Disc & Plug Gages ³	(0.01 to 14) in	(12 + 3.4D) μ in	Master blocks, comparison equipment, ULM/UMM
Dimension Over Rolls	Up to 6 in	(92 + 0.8L) μ in	Roll gage, gage blocks, rolls
Protractors ³	Up to 90°	1.1'	Angle blocks
Cylindrical Ring Gages	(0.1 to 14) in	(15 + 3.6D) μ in	Master rings, ULM/UMM

Parameter/Equipment	Range	CMC ^{2, 4} (\pm)	Comments
Surface Plates ³ – Overall Flatness	Up to 14 ft <i>DL</i>	$(27 + 0.17DL) \mu\text{in}$	Comparison using: Mahr Federal 832 differential level system
Flatness of Local Area (Repeat Reading)	Up to 0.002 in	15 μin	Repeat-O-Meter
Steel Rules	Up to 12 in	$(120 + 2.5L) \mu\text{in}$	Video/Vision system
Tape Measure ³	6 in	$(160 + 0.3L) \mu\text{in}$	Lixer tape measure calibration tool
Sine Plates ³	Up to 45° (Up to 5) in	$(0.000 62^\circ + 0.0043A) \text{ in}$	Master gage blocks, <i>A</i> = angle
Sine Bars ³	Up to 45° (5 to 10) in	$(0.000 19^\circ + 0.014A) \text{ in}$	Master angle blocks, surface plate, test indicator, <i>A</i> = angle°
Spheres & Precision Balls – Diameter	Up to 6 in	13 μin + 11 $\mu\text{in/in}$	Bench micrometer, gage blocks, ULM/UMM
Sphericity	Up to 6 in	8.2 μin + 13 $\mu\text{in/in}$	

III. Dimensional Testing/Calibration¹

Parameter/Equipment	Range	CMC ^{2, 4, 6} (\pm)	Comments
2D – Measure ⁸	Up to (12 x 8) in	$(86 + 3.0L) \mu\text{in}$	Vision system, CMM
Angle	Up to 90°	14'	
Radius	Up to 8 in	$(120 + 0.2L) \mu\text{in}$	

Parameter/Equipment	Range	CMC ^{2, 4, 6} (±)	Comments
3D – Measure ⁸			
X, Y, Z Linear	Up to (14 x 16 x 12) in	(280 + 29L) μin	CMM
Volumetric	Up to (14 x 16 x 12) in	450 μin	

IV. Electrical – DC/Low Frequency

Parameter/Range	Frequency	CMC ^{2, 5} (±)	Comments
AC Voltage – Generate			
Up to 320 mV	10 Hz to 3 kHz (3 to 30) kHz (30 to 50) kHz (50 to 100) kHz	1.1 mV + 46 μV/V 1.1 mV + 400 μV/V 1.1 mV + 2.6 mV/V 1.1 mV + 3 mV/V	Fluke 9100
320 mV to 3.2 V	10 Hz to 3 kHz (3 to 10) kHz (10 to 30) kHz (30 to 50) kHz (50 to 100) kHz	960 μV + 300 μV/V 960 μV + 400 μV/V 960 μV + 700 μV/V 960 μV + 1.2 mV/V 960 μV + 3.1 mV/V	
(3.2 to 32) V	10 Hz to 3 kHz (3 to 10) kHz (10 to 30) kHz (30 to 50) kHz (50 to 100) kHz	33 mV + 0.27 μV/V 33 mV + 0.13 μV/V 33 mV + 0.13 μV/V 33 mV + 11 mV/V 33 mV + 42 mV/V	
(32 to 320) V	40 Hz to 3 kHz (3 to 10) kHz (10 to 20) kHz (20 to 30) kHz	11 mV + 700 μV/V 11 mV + 1 mV/V 11 mV + 1.6 mV/V 11 mV + 2.1 mV/V	
(320 to 1050) V	40 Hz to 3 kHz (3 to 10) kHz	55 mV + 800 μV/V 55 mV + 800 μV/V	

Parameter/Range	Frequency	CMC ^{2, 5} (±)	Comments
AC Voltage – Measure			
Up to 200 mV	(20 to 100) Hz 100 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz (30 to 50) kHz (50 to 100) kHz (100 to 200) kHz	0.19 μV 93 μV 110 μV 93 μV 93 μV 93 μV 93 μV	Keithley 2002
200 mV to 2 V	(20 to 100) Hz 100 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz (30 to 50) kHz (50 to 100) kHz (100 to 200) kHz	1.9 mV 0.88 mV 0.88 mV 1 mV 6.9 mV 17 mV 46 mV	
(2 to 20) V	(20 to 100) Hz 100 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz (30 to 50) kHz (50 to 100) kHz (100 to 200) kHz	58 mV 10 mV 10 mV 15 mV 170 mV 920 mV 920 mV	
(20 to 200) V	(20 to 100) Hz 100 Hz to 2 Hz (2 to 10) kHz (10 to 30) kHz (30 to 50) kHz (50 to 100) kHz	200 mV 110 mV 130 mV 150 mV 700 mV 1.7 V	
(200 to 750) V	(20 to 100) Hz 100 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz	1.5 V 1.1 V 1.1 V 1.3 V	

Parameter/Range	Frequency	CMC ^{2, 5} (\pm)	Comments
AC Current – Generate			
(0.032 to 0.32) mA	40 Hz to 3 kHz (3 to 10) kHz (10 to 20) kHz	4.7 nA + 0.3 μ A/A 4.7 nA + 0.6 μ A/A 4.7 nA + 5.4 μ A/A	Fluke 9100
(0.32 to 3.2) mA	40 Hz to 3 kHz (3 to 10) kHz (10 to 30) kHz	4.7 nA + 0.3 μ A/A 4.7 nA + 0.6 μ A/A 4.7 nA + 5.4 μ A/A	
(3.2 to 32) mA	40 Hz to 3 kHz (3 to 10) kHz (10 to 20) kHz	260 nA + 100 μ A/A 260 nA + 1.3 μ A/A 260 nA + 4.4 μ A/A	
(32 to 320) mA	40 Hz to 3 kHz (3 to 10) kHz (10 to 20) kHz	37 nA + 1 mA/A 37 nA + 1.2 mA/A 37 nA + 2.5 mA/A	
320 mA to 3.2 A	10 Hz to 3 kHz (3.01 to 10) kHz	560 nA + 1.2 mA/A 560 nA + 14 mA/A	
(3.2 to 10.5) A	10 Hz to 3 kHz (3.01 to 10) kHz	19 mA + 1.7 mA/A 19 mA + 6.6 mA/A	
(10.5 to 20) A	10 Hz to 3 kHz (3.01 to 10) kHz	19 mA + 1.9 mA/A 19 mA + 6.2 mA/A	

Parameter/Range	Frequency	CMC ^{2, 5} (±)	Comments
AC Current – Measure			
(0.1 to 200) µA	(20 to 50) Hz (50.1 to 100) Hz 100.1 Hz to 2.0 kHz (2.01 to 10) kHz	46 nA + 3.8 mA/A 46 nA + 2.4 mA/A 46 nA + 2.2 mA/A 46 nA + 5.6 mA/A	Keithley 2002
200 µA to 2 mA	(20 to 50) Hz (50.1 to 100) Hz 100.1 Hz to 2.0 kHz (2.01 to 10) kHz	1.2 µA + 0.2 mA/A 1.2 µA + 1.3 mA/A 1.2 µA + 0.9 mA/A 1.2 µA + 2.5 mA/A	
(2 to 20) mA	(20 to 50) Hz (50.1 to 100) Hz 100.1 Hz to 2.0 kHz (2.01 to 10) kHz	4.3 µA + 0.4 mA/A 4.3 µA + 1.6 mA/A 4.3 µA + 1.3 mA/A 4.3 µA + 1.7 mA/A	
(20 to 200) mA	(20 to 50) Hz (50.1 to 100) Hz 100.1 Hz to 2.0 kHz (2.01 to 10) kHz	64 µA + 3.7 mA/A 4.3 µA + 2.1 mA/A 4.3 µA + 4.2 mA/A 4.3 µA + 5.4 mA/A	
(0.2 to 2) A	(20 to 50) Hz (50.1 to 100) Hz 100.1 Hz to 2.0 kHz (2.01 to 10) kHz	820 µA + 3.6 mA/A 820 µA + 2 mA/A 820 µA + 4.7 mA/A 820 µA + 7.5 mA/A	
(2 to 20) A	60 Hz	0.12 A	Keithley 2002/ current shunt

Parameter/Equipment	Range	CMC ^{2, 5} (±)	Comments
DC Voltage – Generate ³	Up to 320 mV 321 mV to 3.2 V (3.21 to 32) V (32.1 to 320) V (321 to 1050) V	10 µV + 69 µV/V 88 µV + 61 µV/V 820 µV + 69 µV/V 8 mV + 69 µV/V 46 mV + 50 µV/V	Fluke 9100

Parameter/Equipment	Range	CMC ^{2,5} (\pm)	Comments
DC Voltage – Measure ³	Up to 200 mV 201 mV to 2 V (2.01 to 20) V (20 to 200) V (200 to 1000) V	98 μ V 32 μ V 300 μ V 6.0 mV 53 mV	Keithley 2002
Resistance – Generate	(0.01 to 40) Ω (40 to 400) Ω 400 Ω to 4 k Ω (4 to 40) k Ω (40 to 400) k Ω (0.4 to 4.0) M Ω (4 to 40) M Ω (40 to 400) M Ω	1.5 m Ω + 1.2 m Ω / Ω 34 m Ω + 0.34 m Ω / Ω 94 m Ω + 0.17 m Ω / Ω 0.9 Ω + 0.33 m Ω / Ω 9.4 Ω + 0.21 m Ω / Ω 100 Ω + 180 m Ω / Ω 2.3 k Ω + 580 m Ω / Ω 1.9 k Ω + 46 m Ω / Ω	Fluke 9100
Resistance – Measure	(0.0001 to 20) Ω (20 to 200) Ω 200 Ω to 2 k Ω (2 to 20) k Ω (20 to 200) k Ω (200 to 2) M Ω (2 to 20) M Ω (20 to 200) M Ω	0.29 m Ω + 77 m Ω / Ω 1.9 m Ω + 0.4 m Ω / Ω 0.17 Ω + 3.8 m Ω / Ω 1.2 Ω + 0.8 m Ω / Ω 2.2 Ω + 0.8 m Ω / Ω 12 Ω + 5.7 m Ω / Ω 100 Ω + 3.2 m Ω / Ω 1400 Ω + 3.5 m Ω / Ω	Keithley 2002
DC Current – Generate	Up to 320 μ A 320 μ A to 3.2 mA (3.2 to 32) mA (32 to 320) mA 320 mA to 3.2 A (3.2 to 10.5) A (10.5 to 20) A	0.7 nA + 93 μ A/A 0.7 nA + 210 μ A/A 0.7 nA + 210 μ A/A 0.7 nA + 240 μ A/A 0.7 nA + 790 μ A/A 0.007 A 0.018 A	Fluke 9100
DC Current – Measure	Up to 200 μ A 200 μ A to 2 mA (2 to 20) mA (200 to 2) A (2 to 10) A	95 nA + 160 μ A/A 95 nA + 370 μ A/A 95 nA + 440 μ A/A 95 nA + 920 μ A/A 0.012 A	Keithley 2002 Fluke 87V

Parameter/Equipment	Range	CMC ² (±)	Comments
Electrical Simulation of Thermocouples Indicating Systems ³ –			
Type J	(-210 to 0) °C (0 to 800) °C (800 to 1200) °C	0.4 °C 0.35 °C 0.38 °C	Fluke 9100
Type K	(-250 to 0) °C (0 to 100) °C (100 to 1372) °C	0.69 °C 0.38 °C 0.38 °C	
Type T	(-250 to 0) °C (0 to 400) °C	0.38 °C 0.30 °C	
Electrical Simulation of Thermocouple Indicating Systems ³ –			
Type J	(-210 to 0) °C (0 to 800) °C (800 to 1200) °C	0.71 °C 0.38 °C 0.60 °C	Fluke 725
Type K	(-250 to 0) °C (0 to 100) °C (100 to 1372) °C	0.83 °C 0.60 °C 0.83 °C	
Type T	(-250 to 0) °C (0 to 400) °C	0.72 °C 0.39 °C	

V. Mechanical

Parameter/Equipment	Range	CMC ² (±)	Comments
Scales & Balances ³ –	(0.001 to 8) kg (0.1 to 8) kg (1 to 40) kg (1.005 to 10) lbs (1.001 to 10) lbs (10 to 600) lbs	0.002 g + 0.03 mg/g 0.58 g + 0.0006 mg/g 0.0018 kg + 0.0003 kg/kg 0.000 73 lbs + 0.0006 lbs/lbs 0.0014 lbs + 0.0005 lbs/lbs 0.08 lbs + 0.0002 lbs/lbs	Using ASTM Class 1, NIST Class F weights per NIST Handbook 44 section 2.20

Parameter/Equipment	Range	CMC ^{2, 6} (\pm)	Comments
Scales & Balances ³ – (cont)	Up to 2000 lb	0.028 lb + 0.0003 lb/lb	Using ASTM Class F weights, transferred weight per NIST Handbook 44 section 2.20
Pressure – Pneumatic ³ (Pressure Gages, Transducers, Switches)	Up to 30 PSIG (30 to 100) PSIG (100 to 500) PSIG (500 to 1000) PSIG (500 to 5000) PSIG	0.02 PSI 0.07 PSI 0.2 PSI 0.83 PSI 1.8 PSI	Heise pressure measurement system
Vacuum – Measuring Equipment	(0 to 30) inHg	0.011 inHg	Heise pressure measurement system
Force Gages ³ – Measure Tension & Compression	(5 to 10) lbf (10 to 500) lbf (500 to 2500) lbf (2500 to 20 000) lbf	0.011 lbf + 0.004 lbf/lbf 0.04 lbf + 0.0015 lbf/lbf 2.8 lbf 13 lbf	ASTM Class F weights, load cells & indicator
Torque Wrenches ³	(15 to 200) ozf·in (5 to 50) lbf·in (50 to 250) lbf·in (250 to 2000) lbf·in (50 to 250) lbf·ft (250 to 2000) lbf·ft	(0.033 + 0.003 <i>T</i>) ozf·in (0.035 + 0.003 <i>T</i>) lbf·in (0.067 + 0.003 <i>T</i>) lbf·in (0.4 + 0.003 <i>T</i>) lbf·in (0.09 + 0.003 <i>T</i>) lbf·in (0.67 + 0.003 <i>T</i>) lbf·in	Torque transducers & indicators <i>T</i> = Torque

Parameter/Equipment	Range	CMC ² (±)	Comments
Indirect Verification of Rockwell Hardness ³	HRBW		ASTM E18
	Low	0.68 HRBW	
	Medium	0.72 HRBW	
	High	0.57 HRBW	
	HRC		
	Low	0.44 HRC	
	Medium	0.39 HRC	
	High	0.36 HRC	
	HRBS		
	Low	0.70 HRBS	
	Medium	0.60 HRBS	
	High	0.59 HRBS	
	HR15N		
	Low	0.49 HR15N	
	Medium	0.58 HR15N	
	High	0.41 HR15N	
	HR30N		
	Low	0.55 HR30N	
	Medium	0.50 HR30N	
	High	0.50 HR30N	
	HR30T		
	Low	1.1 HR30TW	
	Medium	0.79 HR30TW	
	High	0.91 HR30TW	

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Durometer –			ASTM D2240 using:
Spring Calibration Force	Up to 8 N	0.15 N	Force gage
Types Shore A	Up to 100 Duro	0.5 Shore A units	
Types Shore D	Up to 100 Duro	0.5 Shore D units	
Types Shore M	Up to 100 Duro	0.5 Shore M units	
Indenter Extension & Shape			
Diameter	Up to 0.32 in	(120 + 0.02D) μin	Vision measuring system
Radius	Up to 0.252 in	(47 + 0.05R) μin	
Angle	Up to 90°	14'	
Extension	Up to 0.2 in	(61 + 0.008L) μin	
Indenter Display	Up to 100 Duro	0.5 Duro units	Gage blocks

VI. Thermodynamic

Parameter/Equipment	Range	CMC ^{2,6} (±)	Comments
Infrared Thermometer ³	(50 to 300) °F (75 to 600) °F	3.4 °F 6.7 °F	Infrared black body source
Temperature – Measure	(0 to 750) °C	1.8 °C	Thermocouple with indicator
Thermocouples ³	(25 to 600) °C	2.1 °C + 0.002 °C/°C	Dry block calibrator & Fluke 725 process calibrator
Relative Humidity – Measure ³	(30 to 70) % RH	3.8 % RH	Hygrometer

VII. Time & Frequency

Parameter/Equipment	Range	CMC ^{2, 6} (\pm)	Comments
Frequency – Measuring Equipment (Frequency Counters)	1 Hz to 10 kHz	0.58 Hz	Signal generator

¹ This laboratory offers commercial calibration/dimensional testing service and field calibration/dimensional testing 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 Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g., resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

⁴ In the statement of CMC, L is the numerical value of the nominal length of the device measured in inches, D is the diameter in inches, DL is the diagonal length in inches and R is the resolution of the unit under test.

⁵ 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.

⁶ 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.

⁷ This scope meets A2LA's P112 *Flexible Scope Policy*.

⁸ This laboratory meets R205 – *Specific Requirements: Calibration Laboratory Accreditation Program* for the types of dimensional tests listed above and is considered equivalent to that of a calibration.



Accredited Laboratory

A2LA has accredited

INTERNATIONAL CERTIFICATION MEASUREMENTS, INC. (SUBSIDIARY OF LEADER CORPORATION)

Shelby Township, MI

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 3rd day of October 2023.

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

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3692.02
Valid to June 30, 2025

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