



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

MASTER GAGE & TOOL CO.
 30A Cessna Ct.
 Greenville, SC 29607
 Robert Hegner Phone: 864 447 5100 ext. 659

CALIBRATION

Valid To: February 28, 2025

Certificate Number: 2200.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1,5}:

I. Dimensional

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Calipers	Up to 60 in	$(14 + 7.3L + 0.6R) \mu\text{in}$	Gage blocks, ring gages & pins; IT 1002
Caliper & Depth Micrometer Masters	(0.001 to 6) in	$(88 + 2.2L) \mu\text{in}$	Gage blocks, amp & probe; IT 1035
Gage Blocks	Up to 4 in (> 4 to 13) in	$(4 + 1.5L) \mu\text{in}$ $(4 + 1.5L) \mu\text{in}$	Master gage blocks & P&W Universal Labmaster™; IT 1060
Cylindrical Gages – Plug: Outside Diameter – Up to XXX	(0.001 to 9) in (> 9 to 13) in	$(6.4 + 3.5D) \mu\text{in}$ $(8.4 + 0.6D) \mu\text{in}$	Gage blocks & P&W Universal Labmaster™; IT 1003
Ring: Inside Diameter – Up to XX XXX	(0.04 to 14) in (0.04 to 14) in	$(14 + 1.5D) \mu\text{in}$ $(8.5 + 0.6D) \mu\text{in}$	Class XXX Master rings or gage blocks & P&W Universal Labmaster™; IT 1021

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Height Gages	Up to 60 in	$(54 + 6.7L + 0.6R) \mu\text{in}$	Gage blocks; IT 1010
Indicators	Up to 4 in	$(4 + 17L + 0.6R) \mu\text{in}$	Indicator stand & grade 2 gage blocks IT 1007
Length Standards	(0.001 to 6) in	$(20 + 2.1L) \mu\text{in}$	Gage blocks with P&W Universal Labmaster™; IT 1012
	(> 6 to 34) in	$(42 + 8L) \mu\text{in}$	Gage blocks with amp & probe; IT 1012
Levels – Level Vial Setting	(2 to 24) in	130 μin	Surface plate & gage blocks; IT 1013
Micrometers – Outside Depth Inside Bore/Holematic	Up to 24 in Up to 12 in Up to 12 in Up to 9 in	$(20 + 7L + 0.6R) \mu\text{in}$ $(31 + 5.8L + 0.6R) \mu\text{in}$ $(33 + 6.4D + 0.6R) \mu\text{in}$ $(48 + 4.2D + 0.6R) \mu\text{in}$	Gage blocks & spheres; IT 1017 IT 1006 IT 1011 IT 1011
Pin Gages & Sets	(0.001 to 2) in	$(26 + 2.4D) \mu\text{in}$	Laser micrometer & master plugs or gage blocks & bench micrometer; IT 1020
Plain Taper Gages – Outside Diameter – Minimum Truncations – Length Steps	(0.05 to 6) in (0.2 to 3) in	$(30 + 4.1D) \mu\text{in}$ $(50 + 1.3L) \mu\text{in}$	Gage blocks, pins, master plugs, bench micrometer IT 1031
Protractor – Digital	(0 to 45)°	$0.05^\circ + 0.6R$	Gage blocks & sine bar; IT 1022

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
Spheres – Diameter & Sphericity	(0.04 to 2) in	(46 + 4D) μin	Gage blocks & bench micrometer; IT 1036
Snap Gages – Plain Anvils Fixed or Adjustable Outside Diameter	(0.01 to 12) in	(40 + 5L) μin	Gage blocks & pins; IT 1057
Straight Thread Gages – Plugs – Simple Pitch Diameter Major Diameter Adjustable Rings Minor Diameter – Functional	(0.04 to 3) in (> 3 to 9) in (0.04 to 9) in (0.04 to 3) in	(64 + 6.7D) μin (57 + 9D) μin (56 + 4.5D) μin (210 + 27D) μin	Thread wires, gage blocks & bench micrometer; IT 1033 Thread setting plug, pin gages, height stand; IT 1034
Taper Thread Gages – Plugs Outside Diameter Length of Step & Size of Gage Plane	(0.05 to 3) in (3 to 10) in	(46 + 9.5L) μin (56 + 6.1L) μin	Micrometer, bench micrometer; IT 1037
Thread Wires	All Pitches, Inch & Metric	10 μin	P&W Universal Labmaster™; IT 1064
Bench Micrometers – Linearity Force	Up to 1 in Up to 40 oz	(25 + 0.6R) μin 0.2 % of reading	Gage blocks, force gage; IT 1005
Feeler Gages	Up to 0.2 in	48 μin	Bench micrometer; IT 1008
Laser Bench Micrometer	Up to 2 in	(14 + 6.4D + 0.6R) μin	Gage pins; IT 1067

II. Electrical – DC/Low Frequency

Parameter/Equipment	Range	CMC ² (±)	Comments
DC Voltage ³ – Measure	Up to 202 mV 202 mV to 2.02 V (2.02 to 20.2) V (20.2 to 202) V (202 to 1050) V	8.3 μV/V + 400 nV 2.9 μV/V + 600 nV 2.9 μV/V + 1.0 μV 4.3 μV/V + 61 μV 4.4 μV/V + 530 μV	Fluke 8588A
DC Voltage ³ – Generate	(0 to 330) mV 330 mV to 3.3 V (3.3 to 33) V (33 to 330) V (330 to 1000) V	16 μV/V + 0.8 μV 9 μV/V + 2.0 μV 9 μV/V + 16 μV 14 μV/V + 120 μV 14 μV/V + 1.2 mV	Fluke 5522A
DC Current ³ – Measure	Up to 20.2 μA (10 to 202) μA 202 μA to 2.02 mA (2.02 to 20.2) mA (20.2 to 202) mA 202 mA to 2.02 A (2.02 to 20.2) A (20.2 to 30.2) A	27 μA/A + 0.40 nA 10 μA/A + 0.40 nA 9 μA/A + 4.0 nA 15 μA/A + 40 nA 57 μA/A + 1.0 μA 140 μA/A + 100 μA 240 μA/A + 400 μA 550 μA/A + 4.4 mA	Fluke 8588A
DC Current ³ – Generate	(0 to 330) μA 330 μA to 3.3 mA (3.3 to 33) mA (33 to 330) mA 330 mA to 1.1 A (1.1 to 3.0) A (3 to 11) A (11 to 20.5) A	120 μA/A + 0.020 μA 78 μA/A + 0.040 μA 78 μA/A + 0.20 μA 78 μA/A + 1.9 μA 160 μA/A + 31 μA 300 μA/A + 31 μA 390 μA/A + 390 μA 780 μA/A + 580 μA	Fluke 5522A
Clamp-On Only	(20.5 to 32) A (> 32 to 105) A (> 105 to 200) A (> 200 to 525) A (> 525 to 1000) A	0.16 % output + 1.2 mA 0.16 % output + 9.4 mA 0.17 % output + 45 mA 0.16 % output + 47 mA 0.18 % output + 230 mA	Fluke 9100 coil & Fluke 5522A
DC Resistance ³ – Measure	Up to 2.02 Ω (2.02 to 20.2) Ω (20.2 to 202) Ω 202 Ω to 2.02 kΩ (2.02 to 20.2) kΩ (20.2 to 202) kΩ 202 kΩ to 2.02 MΩ (2.02 to 20.2) MΩ (20.2 to 202) MΩ 202 MΩ to 2.02 GΩ	21 μΩ/Ω + 8.1 μΩ 15 μΩ/Ω + 28 μΩ 9.0 μΩ/Ω + 100 μΩ 9.0 μΩ/Ω + 1.0 mΩ 9.0 μΩ/Ω + 10 mΩ 9.0 μΩ/Ω + 100 mΩ 11 μΩ/Ω + 20 Ω 39 μΩ/Ω + 200 Ω 130 μΩ/Ω + 20 kΩ 0.32 % + 2.0 MΩ	Fluke 8588A

Parameter/Range	Range	CMC ² (±)	Comments
Electrical Simulation of RTDs ³ –			
Pt 385, 100 Ω	(-200 to 0) °C (0 to 100) °C (100 to 300) °C (300 to 400) °C (400 to 630) °C (630 to 800) °C	0.040 °C 0.050 °C 0.070 °C 0.080 °C 0.090 °C 0.18 °C	Fluke 5522A
Pt 3926, 100 Ω	(-200 to 0) °C (0 to 100) °C (100 to 300) °C (300 to 400) °C (400 to 630) °C	0.040 °C 0.050 °C 0.070 °C 0.080 °C 0.090 °C	
Pt 3916, 100 Ω	(-200 to -190) °C (-190 to -80) °C (-190 to -80) °C (0 to 100) °C (100 to 260) °C (260 to 300) °C (300 to 400) °C (400 to 600) °C (600 to 630) °C	0.19 °C 0.030 °C 0.040 °C 0.050 °C 0.050 °C 0.060 °C 0.070 °C 0.080 °C 0.18 °C	
DC Resistance ³ – Generate	(0 to 11) Ω (11 to 33) Ω (33 to 110) Ω (110 to 330) Ω 330 Ω to 1.1 kΩ (1.1 to 3.3) kΩ (3.3 to 11) kΩ (11 to 33) kΩ (33 to 110) kΩ (110 to 330) kΩ 330 kΩ to 1.1 MΩ (1.1 to 3.3) MΩ (3.3 to 11) MΩ (11 to 33) MΩ (33 to 110) MΩ (110 to 330) MΩ 330 MΩ to 1.1 GΩ	33 μΩ/Ω + 0.010 Ω 24 μΩ/Ω + 0.012 Ω 22 μΩ/Ω + 0.012 Ω 22 μΩ/Ω + 0.016 Ω 22 μΩ/Ω + 0.016 Ω 22 μΩ/Ω + 0.16 Ω 22 μΩ/Ω + 0.08 Ω 22 μΩ/Ω + 0.78 Ω 22 μΩ/Ω + 0.78 Ω 25 μΩ/Ω + 7.8 Ω 25 μΩ/Ω + 7.8 Ω 58 μΩ/Ω + 120 Ω 110 μΩ/Ω + 200 Ω 200 μΩ/Ω + 1.9 kΩ 390 μΩ/Ω + 2.3 kΩ 0.37 % + 77 kΩ 1.2 % + 390 kΩ	Fluke 5522A

Parameter/Range	Range	CMC ² (±)	Comments
Electrical Simulation of Thermocouples ³ –			
Type E	(-250 to -100) °C (-100 to -25) °C (-25 to 350) °C (350 to 650) °C (650 to 1000) °C	0.39 °C 0.12 °C 0.11 °C 0.12 °C 0.16 °C	Fluke 5522A
Type J	(-210 to -100) °C (-100 to -30) °C (-30 to 150) °C (150 to 760) °C (760 to 1200) °C	0.21 °C 0.12 °C 0.11 °C 0.13 °C 0.18 °C	
Type K	(-200 to -100) °C (-100 to -25) °C (-25 to 120) °C (120 to 1000) °C (1000 to 1372) °C	0.26 °C 0.14 °C 0.12 °C 0.20 °C 0.31 °C	
Type N	(-200 to -100) °C (-100 to -25) °C (-25 to 120) °C (120 to 410) °C (1000 to 1372) °C	0.31 °C 0.17 °C 0.15 °C 0.14 °C 0.21 °C	
Type R	(0 to 250) °C (250 to 400) °C (400 to 1000) °C (1000 to 1767) °C	0.44 °C 0.27 °C 0.26 °C 0.31 °C	
Type S	(0 to 250) °C (250 to 1000) °C (1000 to 1400) °C (1400 to 1767) °C	0.36 °C 0.28 °C 0.29 °C 0.36 °C	
Type T	(-250 to -150) °C (-150 to 0) °C (0 to 120) °C (120 to 400) °C	0.49 °C 0.19 °C 0.12 °C 0.11 °C	

Parameter/Range	Frequency	CMC ² (±)	Comments
AC Voltage ³ – Measure			
Up to 10 mV	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz	290 μV/V + 1.3 μV 370 μV/V + 1.3 μV 380 μV/V + 1.3 μV 0.3% + 1.3 μV 1.0 % + 5.0 μV 2.0 % + 5.0 μV	Fluke 8588A
(10 to 100) mV	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz (1 to 2) MHz	88 μV/V + 1.0 μV 130 μV/V + 1.0 μV 230 μV/V + 1.2 μV 530 μV/V + 6.1 μV 0.21 % + 36 μV 0.11 % + 120 μV 0.15 % + 610 μV	
100 mV to 10 V	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz (1 to 2) MHz	76 μV/V + 6.0 μV 130 μV/V + 61 μV 230 μV/V + 130 μV 530 μV/V + 610 μV 0.21 % + 3.6 mV 0.10 % + 12 mV 0.15 % + 61 mV	
(10 to 100) V	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz	90 μV/V + 0.5 mV 110 μV/V + 0.5 mV 230 μV/V + 1.0 mV 590 μV/V + 5.0 mV 0.37 % + 50 mV 1.1 % + 500 mV	
(100 to 1000) V	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz	110 μV/V + 25 mV 110 μV/V + 25 mV 230 μV/V + 25 mV 590 μV/V + 100 mV	

Parameter/Range	Frequency	CMC ² (±)	Comments
AC Voltage ³ – Generate			
(1 to 33) mV	(10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 500) kHz	0.062 % + 5.0 μV 0.012 % + 5.0 μV 0.016 % + 5.0 μV 0.078 % + 5.0 μV 0.27 % + 9.0 μV 0.62 % + 39 μV	Fluke 5522A
(33 to 330) mV	(10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 500) kHz	0.023 % + 6.0 μV 0.011 % + 6.0 μV 0.012 % + 6.0 μV 0.027 % + 6.0 μV 0.062 % + 25 μV 0.16 % + 54 μV	
330 mV to 3.3 V	(10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 500) kHz	0.023 % + 39 μV 0.012 % + 47 μV 0.015 % + 47 μV 0.023 % + 39 μV 0.054 % + 97 μV 0.19 % + 470 μV	
(3.3 to 33) V	(10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz	0.023 % + 510 μV 0.012 % + 470 μV 0.019 % + 470 μV 0.027 % + 470 μV 0.070 % + 1.2 mV	
(33 to 330) V	45 Hz to 1 kHz (1 to 10) kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz	0.015 % + 1.6 mV 0.016 % + 4.7 mV 0.019 % + 4.7 mV 0.023 % + 4.7 mV 0.16 % + 39 mV	
(330 to 1020) V	45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	0.023 % + 7.8 mV 0.019 % + 7.8 mV 0.023 % + 7.8 mV	

Parameter/Range	Frequency	CMC ² (±)	Comments
AC Current ³ – Measure			
Up to 20.2 µA	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz	0.20 % + 5.0 nA 0.20 % + 5.0 nA 0.21 % + 5.0 nA	Fluke 8588A
(20.2 to 202) µA	(1 to 2) kHz	280 µV/V + 10 nA	
202 µA to 2.02 mA	(2 to 10) kHz	530 µV/V + 0.1 µA	
(2.02 to 20.2) mA	(10 to 30) kHz (30 to 100) kHz	740 µV/V + 1.0 µA 0.41 % + 2.0 µA	
(20.2 to 202) mA	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz	290 µV/V + 10 µA 530 µV/V + 10 µA 750 µV/V + 10 µA	
202 mA to 2.02 A	10 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz	310 µV/V + 202 µA 550 µV/V + 202 µA 790 µV/V + 202 µA	
(2.02 to 20.2) A	10 Hz to 2 kHz (2 to 10) kHz	840 µV/V + 1 mA 840 µV/V + 1 mA	
(20.2 to 30.2) A	10 Hz to 2 kHz (2 to 10) kHz	840 µV/V + 120 mA 0.12 % output + 120 mA	
AC Current ³ – Generate			
(29 to 330) µA	(10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz (10 to 30) kHz	0.16 % output + 0.10 µA 0.12 % output + 0.10 µA 0.10 % output + 0.10 µA 0.23 % output + 0.10 µA 0.62 % output + 0.20 µA 1.2 % output + 0.30 µA	Fluke 5522A
330 µA to 3.3 mA	(10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz (10 to 30) kHz	0.16 % output + 0.12 µA 0.10 % output + 0.10 µA 0.08 % output + 0.10 µA 0.16 % output + 0.20 µA 0.39 % output + 0.20 µA 0.78 % output + 0.50 µA	
(3.3 to 33) mA	(10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz (10 to 30) kHz	0.14 % output + 2.0 µA 0.070 % output + 1.6 µA 0.030 % output + 1.6 µA 0.060 % output + 1.6 µA 0.16 % output + 2.3 µA 0.31 % output + 3.0 µA	

Parameter/Range	Frequency	CMC ² (±)	Comments
AC Current ³ – Generate (cont)			
(33 to 330) mA	(10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz (10 to 30) kHz	0.14 % output + 16 µA 0.070 % output + 16 µA 0.030 % output + 16 µA 0.080 % output + 39 µA 0.16 % output + 78 µA 0.31 % output + 160 µA	
330 mA to 1.1 A	(10 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	0.14 % output + 78 µA 0.050 % output + 78 µA 0.47 % output + 780 µA 1.9 % output + 3.9 mA	Fluke 9100 coil & Fluke 5522A
(1.1 to 3) A	(10 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	0.14 % output + 78 µA 0.05 % output + 78 µA 0.47 % output + 0.8 mA 1.9 % output + 3.8 mA	
(3 to 11) A	(45 to 100) Hz 100 Hz to 1 kHz (1 to 5) kHz	0.050 % output + 1.6 mA 0.08 % output + 1.6 mA 2.3 % output + 1.6 mA	
(11 to 20.5) A	(45 to 100) Hz 100 Hz to 1 kHz (1 to 5) kHz	0.09 % output + 3.8 mA 0.12 % output + 3.8 mA 2.3 % output + 5.0 mA	
(20.5 to 32) A	(10 to 100) Hz (100 to 440) Hz	0.56 % output + 5.5 mA 0.94 % output + 27 mA	
(> 32 to 160) A	(10 to 100) Hz	0.32 % output + 28 mA	
(> 32 to 200) A	(100 to 440) Hz	0.72% output + 250 mA	
(> 160 to 1000) A	(10 to 100) Hz	0.27 % output + 450 mA	

Parameter/Range	Range	CMC ² (±)	Comments
Capacitance ³ – Generate	(0.19 to 0.3999) nF (0.4 to 1.0999) nF (1.1 to 3.2999) nF (3.3 to 10.9999) nF (11 to 32.9999) nF (33 to 109.999) nF (110 to 329.999) nF (0.33 to 1.099 99) μF (1.1 to 3.299 99) μF (3.3 to 10.9999) μF (11 to 32.9999) μF (33 to 109.999) μF (110 to 329.999) μF (0.33μF to 1.099 99) mF (1.1 to 3.2999) mF (3.3 to 10.9999) mF (11 to 32.9999) mF (33 to 110) mF	0.4 % + 0.01 nF 0.4 % + 0.01 nF 0.39 % + 0.01 nF 0.19 % + 0.01 nF 0.19 % + 0.1 nF 0.19 % + 0.1 nF 0.19 % + 0.02 nF 0.19 % + 0.78 nF 0.19 % + 2.3 nF 0.19 % + 7.8 nF 0.31 % + 23 nF 0.35 % + 78 nF 0.35 % + 240 nF 0.35 % + 0.8 μF 0.35 % + 2.3 μF 0.35 % + 7.8 μF 0.58 % + 23 μF 0.85 % + 78 μF	Fluke 5522A

III. Mechanical

Parameter/Equipment	Range	CMC ² (±)	Comments
Torque – Wrenches Handles/Screwdriver	 Up to 600 lbf·ft Up to 3000 lbf·in Up to 120 lbf·in	 0.36 % of reading 0.30 % of reading 0.58 % of reading	 Torque calibrator; IT 1063
Pressure – Precision Measuring Equipment ³ Pneumatic Hydraulic	 Up to 30 psig (> 30 to 300) psig Up to 100 psig (> 100 to 1000) psig Up to 2000 psig (> 2000 to 5000) psig (> 5000 to 20000) psig	 0.0061 psi + 0.6R 0.060 psi + 0.6R 0.04 psig 0.023 % Rdg 0.4 psig 0.031% Rdg 0.023 %Rdg	 Fluke 6270A w/PM200-BG200K w/PM200-G2M w/PM200-G2M Fluke E-DWT w/QRPT A7M1 w/QRPT A140M1

IV. Time & Frequency

Parameter/Equipment	Frequency	CMC ² (±)	Comments
Frequency ³ – Measuring Equipment	0.01 Hz to 2 MHz	2.1 $\mu\text{Hz}/\text{Hz}$ + 3.9 μHz	Fluke 5522A

¹ This laboratory offers commercial calibration service and dimensional/calibration services.

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 of 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 CMCs 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 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, or in mm for metric units; R is the resolution of the device under test in micro inches, or in micrometer for metric units; D is the numerical value of the nominal diameter of the device measured in inches.

⁵ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

MASTER GAGE & TOOL CO.

Greenville, SC

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 24th day of January 2023.

A blue ink signature of Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2200.02
Valid to February 28, 2025

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