



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SIMETRIC SERVICIOS INTEGRALES CIA LTDA

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CALIBRATION

Valid To: April 30, 2025

Certificate Number: 6178.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations and dimensional testing^{1,9}:

I. Chemical

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
pH – Measuring Equipment @ 25 °C	4 pH 7 pH 10 pH	0.012 pH 0.012 pH 0.012 pH	pH CRMs (4, 7 & 10). Calibration procedure M-17
Conductivity Meters @ 25 °C	10 µS/cm 100 µS/cm 1410 µS/cm	0.21 µS/cm 2.1 µS/cm 4.9 µS/cm	Conductivity standard solutions. Calibration procedure M-33

II. Dimensional

Parameter/Equipment	Range	CMC ² (±)	Comments
Calipers – Vernier, Dial & Digital	Up to 200 mm	11 µm	Gage blocks. Calibration procedure M-05

Parameter/Equipment	Range	CMC ^{2.5} ($\pm$)	Comments
Micrometers – Outside & Depth Micrometers Micrometer (Two Contacts)	Up to 25 mm (>25 to 200) mm Up to 25 mm (>25 to 50) mm (>50 to 75) mm (>75 to 100) mm (>100 to 125) mm (>125 to 150) mm (>150 to 175) mm (>175 to 200) mm	0.24 μ m (0.0072L + 0.33) μ m 0.74 μ m 0.82 μ m 0.96 μ m 1.1 μ m 1.3 μ m 1.5 μ m 1.6 μ m 1.8 μ m	Gauge blocks. Calibration procedure M-06
Digital & Dial Indicators	Up to 10 mm (>10 to 30) mm (>30 to 50) mm	0.59 μ m 0.64 μ m 0.72 μ m	Gages blocks. Calibration procedure M-07
Metal Ruler / Tape Measure	Up to 1 m (>1 to 30) m	0.87 mm (0.87 $\cdot\sqrt{L(m)}$) mm	Metal ruler & measuring amplifier. Calibration procedure M-08
Sieves – Opening Size	(0.02 to 1) mm (>1 to 125) mm	2.4 μ m 19 μ m	ASTM E11. Magnification camera, stage micrometer, & caliper
Feeler Gauge	Up to 4 mm	1.6 μ m	Digital micrometer
Coating Thickness Shims	Up to 25 mm	1.6 μ m	Digital micrometer
Ultrasonic Step Gauge	Up to 25 mm	1.6 μ m	Digital micrometer
Ultrasonic Coating & Wall Thickness Gauge – Ferrous	(0.5 to 100) mm	5.8 μ m	Gage blocks

Parameter/Equipment	Range	CMC ² (±)	Comments
Ultrasonic Coating & Wall Thickness Gauge – (cont) Non-Ferrous	(24 to 54) µm (>54 to 79) µm (>79 to 129) µm (>129 to 252) µm (>252 to 992) µm (>992 to 1506) µm	0.93 µm 0.96 µm 0.93 µm 0.96 µm 0.94 µm 0.97 µm	Coating thickness standard
Analog & Digital Weld Gauges	Up to 100 mm	5.8 µm	Gage blocks
Go/No Plug Gauges – Diameter (ASME Class ZZ Plug Gauges)	Up to 25 mm	6.4 µm	Digital micrometer

III. Electrical – DC/Low Frequency

Parameter/Equipment	Range	CMC ^{2, 7} (±)	Comments
DC Voltage ³ – Generate	Up to 10 mV (>10 to 20) mV (>20 to 100) mV (>10 to 180) mV (>18 to 200) mV (>0.2 to 1) V (>1 to 1.8) V (>1.8 to 2) V (>2 to 10) V (>10 to 18) V (>18 to 20) V (>20 to 100) V (>100 to 180) V (>180 to 200) V (>200 to 500) V (>500 to 900) V (>900 to 1000) V	0.021 mV 0.014 mV 0.071 mV 0.13 mV 0.13 mV 0.000 24 V 0.000 41 V 0.0013 V 0.0010 V 0.0017 V 0.012 V 0.012 V 0.015 V 0.024 V 0.35 V 0.51 V 0.66 V	Multifunction calibrator

Parameter/Equipment	Range	CMC ^{2, 7} (±)	Comments
DC Current ³ – Generate	Up to 0.2 mA (>0.2 to 1) mA (>1 to 1.8) mA (>1.8 to 2) mA (>2 to 10) mA (>10 to 18) mA (>18 to 20) mA (>20 to 100) mA (>100 to 180) mA (>180 to 200) mA (>0.2 to 1) A (>1 to 1.8) A (>1.8 to 2) A (>2 to 5) A (>5 to 9) A (>9 to 10) A	0.000 24 mA 0.0011 mA 0.0017 mA 0.0018 mA 0.0083 mA 0.0092 mA 0.0061 mA 0.010 mA 0.026 mA 0.16 mA 0.000 22 A 0.000 79 A 0.000 57 A 0.0034 A 0.012 A 0.014 A	Multifunction calibrator
Clamp On Meters	Up to 20 A (>20 to 100) A (>100 to 500) A (>500 to 900) A (>900 to 1000) A	0.19 A 0.87 A 4.3 A 7.8 A 8.7 A	Multifunction calibrator & coil
DC Voltage ³ – Measure	Up to 10 mV (>10 to 90) mV (>0.09 to 0.3) V (>0.3 to 1.5) V (>1.5 to 2.7) V (>2.7 to 3) V (>3 to 27) V (>27 to 30) V (>30 to 300) V (>-1.5 to 0) V (>-3 to -1.5) V	0.0094 mV 0.037 mV 0.000 082 V 0.000 090 V 0.000 090 V 0.000 58 V 0.010 V 0.012 V 0.28 V 0.000 090 V 0.000 090 V	Process calibrator
Resistance ³ – Generate	Up to 9 Ω (>9 to 90) Ω. (>90 to 900) Ω (>0.9 to 9) kΩ	0.069 Ω 0.17 Ω 1.5 Ω 0.025 kΩ	Process calibrator
Fixed Points	1 Ω 10 Ω 100 Ω 1 kΩ 10 kΩ 100 kΩ	0.000 85 Ω 0.0044 Ω 0.073 Ω 0.000 82 kΩ 0.0010 kΩ 0.014 kΩ	Multifunction calibrator

Parameter/Equipment	Range	CMC ^{2, 7} ($\pm$)	Comments
Resistance ³ – Generate (cont) Fixed Points	1 M Ω 10 M Ω 100 M Ω 1 G Ω 2 G Ω 5 G Ω 7 G Ω 10 G Ω 50 G Ω 100 G Ω	0.000 89 M Ω 0.0030 M Ω 0.054 M Ω 0.043 G Ω 0.086 G Ω 0.21 G Ω 0.30 G Ω 0.43 G Ω 5.1 G Ω 10 G Ω	Multifunction calibrator
Resistance ³ – Measure (4 Wire)	Up to 10 Ω (>10 to 100) Ω (>0.1 to 1) k Ω (>1 to 10) k Ω	0.11 Ω 0.17 Ω 0.0016 k Ω 0.035 k Ω	Process calibrator
Insulation Resistance ³ – DC Voltage: Up to 50 V	Fixed Points 1 Ω 10 Ω 100 Ω 1 k Ω 10 k Ω 100 k Ω 1 M Ω 10 M Ω 100 M Ω	0.0058 Ω 0.0072 Ω 0.073 Ω 0.000 58 k Ω 0.0058 k Ω 0.016 k Ω 0.000 67 M Ω 0.0064 M Ω 0.054 M Ω	Multifunction calibrator
Up to 1000 V	1 G Ω 2 G Ω 5 G Ω 7 G Ω 10 G Ω 50 G Ω 100 G Ω	0.043 G Ω 0.086 G Ω 0.21 G Ω 0.30 G Ω 0.43 G Ω 4.4 G Ω 8.8 G Ω	High resistance JIG

Parameter/Equipment	Range	CMC ² (±)	Comments
Electrical Simulation of Thermocouples ³ –			
Type J	-200 °C (>-200 to -150) °C (>-150 to 0) °C (>0 to 150) °C (>150 to 500) °C (>500 to 1200) °C	0.29 °C 0.28 °C 0.26 °C 0.24 °C 0.27 °C 0.26 °C	Process calibrator. Calibration procedure M-04
Type K	-200 °C (>-200 to -150) °C (>-150 to 0) °C (>0 to 150) °C (>150 to 500) °C (>500 to 1000) °C (>1000 to 1200) °C (>1200 to 1372) °C	0.36 °C 0.38 °C 0.24 °C 0.29 °C 0.24 °C 0.32 °C 0.41 °C 0.45 °C	
Type T	-250 °C (>-250 to 0) °C (>0 to 400) °C	1.0 °C 0.26 °C 0.24 °C	
Electrical Simulation of RTD ³ –			
Pt 385, 100 Ω	-100 °C (>-100 to 0) °C (>0 to 60) °C (>60 to 100) °C (>100 to 200) °C (>200 to 800) °C	0.047 °C 0.049 °C 0.038 °C 0.058 °C 0.059 °C 0.12 °C	Process calibrator. Calibration procedure M-04

Parameter/Range	Frequency	CMC ^{2,7} (±)	Comments
AC Voltage – Generate ³			
Up to 10 mV (>10 to 20) mV (>20 to 100) mV (>100 to 180) mV (>180 to 200) mV (>0.2 to 1) V (>1 to 1.8) V (>1.8 to 2) V	(50 to 1000) Hz	0.032 mV 0.082 mV 0.086 mV 0.26 mV 0.28 mV 0.0016 V 0.0040 V 0.0031 V	Multifunction calibrator

Parameter/Range	Frequency	CMC ^{2,7} ($\pm$)	Comments
AC Voltage – Generate ³ (cont) (>2 to 10) V (>10 to 18) V (>18 to 20) V (>20 to 100) V (>100 to 180) V (>180 to 200) V (>200 to 500) V (>500 to 900) V (>900 to 1000) V	(50 to 1000) Hz	0.019 V 0.033 V 0.047 V 0.18 V 0.36 V 0.33 V 1.2 V 2.4 V 2.6 V	Multifunction calibrator
AC Voltage ³ – Measure Up to 3 V (>3 to 30) V (>30 to 300) V	(50 to 1000) Hz	0.018 V 0.18 V 1.8 V	Process calibrator
AC Current ³ – Generate Up to 0.2 mA (>0.2 to 1) mA (>1 to 1.8) mA (>1.8 to 2) mA (>2 to 10) mA (>10 to 18) mA (>18 to 20) mA (>20 to 100) mA (>100 to 180) mA (>180 to 200) mA (>0.2 to 1) A (>1 to 1.8) A (>1.8 to 2) A (>2 to 5) A (>5 to 9) A (>9 to 10) A Clamp On Meters ³ : Up to 20 A (>20 to 100) A (>100 to 500) A (>500 to 900) A (>900 to 1000) A	(50 to 1000) Hz	0.000 45 mA 0.0012 mA 0.0045 mA 0.0043 mA 0.012 mA 0.036 mA 0.019 mA 0.22 mA 0.32 mA 0.31 mA 0.0016 A 0.0031 A 0.0031 A 0.0089 A 0.0087 A 0.0093 A 0.20 A 0.95 A 5.0 A 8.4 A 9.4 A	Multifunction calibrator Multifunction calibrator & coil

Parameter/Range	Frequency	CMC ^{2.7} (±)	Comments
Capacitance – Generate Fixed Point: 1 nF 10 nF 100 nF 1 µF 10 µF	1 kHz	0.0015 nF 0.013 nF 0.13 nF 0.0015 µF 0.013 µF	Multifunction calibrator
Inductance – Generate Fixed Point: 100 µH 1 mH 10 mH 100 mH	1 kHz	0.47 µH 0.0015 mH 0.012 mH 0.12 mH	Multifunction calibrator

IV. Fluid Quantities

Parameter/Equipment	Range	CMC ² (±)	Comments
Volume – Laboratory Glassware Single Volume Pipettes	0.5 mL 1 mL 2 mL 5 mL 10 mL 20 mL 25 mL 50 mL 100 mL	0.0010 mL 0.0017 mL 0.0021 mL 0.0027 mL 0.0056 mL 0.0058 mL 0.0061 mL 0.0076 mL 0.014 mL	Gravimetric method. digital balance. Calibration procedure M-15
One-Mark Volumetric Flasks	1 mL 2 mL 5 mL 10 mL 20 mL 25 mL 50 mL	0.0040 mL 0.0040 mL 0.0050 mL 0.0089 mL 0.0090 mL 0.0092 mL 0.010 mL	Gravimetric method. digital balance. Calibration procedure M-15

Parameter/Equipment	Range	CMC ² (±)	Comments
One-Mark Volumetric Flasks (cont)	100 mL 200 mL 250 mL 500 mL	0.014 mL 0.022 mL 0.027 mL 0.052 mL	Gravimetric method. digital balance. Calibration procedure M-15
Graduated Pipettes	0.1 mL 0.2 mL 0.5 mL 1 mL 2 mL 5 mL 10 mL 20 mL 25 mL	0.0011 mL 0.0011 mL 0.0011 mL 0.0021 mL 0.0025 mL 0.0035 mL 0.0092 mL 0.010 mL 0.010 mL	Gravimetric method. digital balance. Calibration procedure M-15
Graduated Measuring Cylinders	10 mL 25 mL 50 mL 100 mL 250 mL 500 mL	0.0091 mL 0.0094 mL 0.010 mL 0.014 mL 0.022 mL 0.050 mL	Gravimetric method. digital balance. Calibration procedure M-15
Volume – Piston Micropipettes	100 µL 500 µL 1000 µL 2 mL 5 mL 10 mL 15 mL 20 mL 30 mL 50 mL 100 mL 150 mL 200 mL	0.69 µL 0.69 µL 0.71 µL 0.000 77 mL 0.000 88 mL 0.0013 mL 0.0018 mL 0.0023 mL 0.0033 mL 0.0054 mL 0.011 mL 0.016 mL 0.021 mL	Gravimetric method. digital balance. Calibration procedure M-15
Burettes	10 mL 25 mL 50 mL 100 mL	0.0057 mL 0.0061 mL 0.0076 mL 0.012 mL	Gravimetric method. digital balance. Calibration procedure M-15

Parameter/Equipment	Range	CMC ² (±)	Comments
Pycnometers	10 mL 25 mL 50 mL 100 mL	0.0045 mL 0.0051 mL 0.0068 mL 0.011 mL	Gravimetric method. digital balance. Calibration procedure M-15
Volumetric Flow/Infusion Pump	Up to 100 mL/h (100 to 200) mL/h (200 to 500) mL/h	0.000 59 mL/h 0.000 67 mL/h 0.000 81 mL/h	Gravimetric method. Digital balance. Stopwatch
Water Flow ^{3, 8} – Flow Meters	(0.1 to 1) mL/min (>1 to 10) mL/min (>10 to 250) mL/min (>0.25 to 1) L/min (>1 to 20) L/min (>20 to 189.3) L/min (>189.3 to 1893) L/min	0.082 mL/min 0.086 L/min 1.3 mL/min 0.0065 L/min 0.052 L/min 0.56 L/min 2.9 L/min	Volumetric tank & stopwatch Onsite only with customer water pumps
Specific Gravity (Relative Density) – Hydrometers & Equivalent Values in Other Hydrometer Scales: Density (g/mL, g/cm ³ , kg/m ³) API Hydrometers & Thermo-Hydrometers (API Scale for Petroleum Products)	(0.500 to 1.000) SG (1.000 to 1.500) SG (1.500 to 2.000) SG (-1 to 101.0)° API	0.000 23 SG 0.000 23 SG 0.000 23 SG 0.011° API	Cuckow method with analytical balance.

V. Mechanical

Parameter/Equipment	Range	CMC ² (±)	Comments
Gauge Pressure – Analog, Digital Pressure Gauges ³ (Pneumatic, Hydraulic)	(0 to 1) kPa	0.0076 kPa	Precision pressure indicator press CAL Tunix TDP-01B

Parameter/Equipment	Range	CMC ^{2, 6} (±)	Comments
Gauge Pressure – Analog, Digital Pressure Gauges ³ (Pneumatic, Hydraulic) (cont)	(0 to 100) kPa (>100 to 140) kPa (>140 to 210) kPa (>210 to 280) kPa (>280 to 350) kPa (>350 to 420) kPa (>420 to 490) kPa (>490 to 560) kPa (>560 to 700) kPa (0 to 400) kPa (>400 to 800) kPa (>800 to 1600) kPa (>1600 to 2000) kPa (>2000 to 2800) kPa (>2800 to 3200) kPa (>3200 to 3447) kPa (0 to 3500) kPa (>3500 to 17 300) kPa (>17 300 to 20 700) kPa (>20 700 to 27 600) kPa (>27 600 to 34 500) kPa	0.037 kPa 0.032 kPa 0.073 kPa 0.047 kPa 0.092 kPa 0.061 kPa 0.047 kPa 0.057 kPa 0.064 kPa 0.35 kPa 0.36 kPa 0.48 kPa 0.53 kPa 0.50 kPa 0.51 kPa 0.62 kPa 5.3 kPa 5.9 kPa 3.7 kPa 6.0 kPa 3.8 kPa	Pressure transmitter Endress Hauser Cerabarm Digital pressure gauge HUAXIN HX601 Digital pressure gauge HUAXIN HX601. Calibration procedure M-13
Vacuum Meters –	(-57 to -50) kPa (>-50 to -40) kPa (>-50 to -30) kPa (>-30 to -20) kPa (>-20 to -10) kPa (>-10 to 0) kPa	0.0057 kPa 0.0048 kPa 0.014 kPa 0.0085 kPa 0.0068 kPa 0.0055 kPa	Pressure transmitter. Calibration procedure M-14
Torque Analyzer	Up to 50 N·m (50 to 100) N·m (100 to 200) N·m (200 to 500) N·m (500 to 800) N·m (800 to 1200) N·m	0.018 % 0.011 % 0.011 % 0.011 % 0.011 % 0.009 %	Torque bar & masses
Torque Tools & Torque Wrenches	Up to 488 N·m (> 488 to 813.5) N·m	0.74 % 0.75 %	Torque transducer. Calibration procedure M-16

Parameter/Equipment	Range	CMC ² (±)	Comments
Scale – Digital & Mechanical ³	(0.001 to 100) g Up to 1000 g Up to 10 000 g Up to 100 000) g Up to 200 kg Up to 500 kg	0.35 mg 4.5 mg 0.35 g 0.5 g 17 g 43 g	OIML R 111 Class F1 M1 standard weights. Calibration procedure M-09
Mass – Standard Weights	50 kg 20 kg 10 kg 5 kg 1000 g 500 g 200 g 100 g 50 g 20 g 10 g 5 g 2 g 1 g	1.2 g 0.46 g 0.25 g 0.12 g 5.0 mg 2.5 mg 1.0 mg 5.0 mg 3.0 mg 2.5 mg 2.0 mg 1.6 mg 1.2 mg 1.0 mg	OIML R 111 Class F1 M1 weights. Calibration procedure M-10 based on CEM ME-007 and ME-015 for calibration of weights.

VI. Thermodynamics

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
Temperature – Measuring Equipment (Digital or Analog Thermometer with Thermocouple, RTD, Thermistor, or Digital or Mechanical Temperature Sensor & Transmitters)	-30 °C (>-30 to 0) °C (>0 to 50) °C (>50 to 100) °C (>100 to 200) °C (>200 to 300) °C (>300 to 400) °C	0.084 °C 0.088 °C 0.062 °C 0.079 °C 0.044 °C 0.49 °C 0.49 °C	Polyscience calibration bath. Thermoworks dry block. RTD, process calibrator. Calibration procedure M-02. M-03
Liquid-In-Glass Thermometer	-30 °C (>-30 to 0) °C (>0 to 50) °C (>50 to 150) °C	0.12 °C 0.12 °C 0.10 °C 0.11 °C	Polyscience calibration bath & RTD. Calibration procedure M-01

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
Climatic Chambers – (Including Oven. Incubator. Refrigerator. Freezer, Autoclave, Sterilizers, Muffles, Stoves) ³	(-30 to 0) °C (>0 to 50) °C (>50 to 400) °C	0.42 °C 0.43 °C 0.44 °C	Digital thermometer (readout and TC Type K) with 4 channels
Liquid Baths & Dry Blocks ³	(-30 to 100) °C (100 to 200) °C (200 to 300) °C (300 to 400) °C	0.060 °C 0.060 °C 0.071 °C 0.071 °C	RTD digital thermometer with 2 channels
Relative Humidity – Measuring Equipment	12 % RH (>12 to 70) % RH (>70 to 90) % RH	2.0 % RH 2.2 % RH 2.1 % RH	Humidity chamber & precision thermo- hygrometer
Relative Humidity – Climatic Chambers	12 % RH (>12 to 40) % RH (>40 to 70) % RH (>70 to 90) % RH	2.0 % RH 2.3 % RH 2.2 % RH 2.1 % RH	Precision thermo- hygrometer

VII. Time and Frequency

Parameter/Equipment	Range	CMC ² (±)	Comments
Timers & Chronometers	(0 to 180) s (>180 to 600) s (>600 to 1800) s (>1800 to 3600) s	0.080 s 0.079 s 0.11 s 0.16 s	Standard stopwatch. Calibration procedure M-12
Hour-Meter ³	Up to 7200 s	0.60 s	Standard stopwatch. Calibration procedure M-11
Non-Contact Tachometers	Up to 6002 RPM (>6002 to 30 006) RPM (>30 006 to 54 002) RPM (>54 002 to 60 004) RPM	7.4 RPM 19 RPM 32 RPM 35 RPM	Multi-process calibrator

Parameter/Equipment	Range	CMC ² (±)	Comments
Centrifuges ³	(60 to 900) RPM (>900 to 3600) RPM (>3600 to 6000) RPM (>6000 to 9000) RPM (>9000 to 12 000) RPM (>12 000 to 15 000) RPM (>15 000 to 60 000) RPM	1.8 RPM 4.9 RPM 5.9 RPM 19 RPM 20 RPM 21 RPM 51 RPM	Non-contact tachometers

¹ This laboratory offers commercial calibration service and field calibration service where noted.

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. CMC's 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 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.

⁵ In the statement of CMC, L is the numerical value of the nominal length of the device measured in millimeters, and R is the numerical value of the resolution of the device in micrometers.

⁶ In the statement of CMC, percentages are percentages of reading, unless otherwise indicated.

⁷ 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 fraction/percentage of the reading plus a fixed floor specification.

⁸ The contribution due to flow repeatability and stability will be added during actions calibrations.

⁹ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

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Quito, ECUADOR

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 29th day of December 2023.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6178.01
Valid to April 30, 2025

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