CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

PROMOCION MEDICA S.A.
Costa del Este, Parque Industrial, Calle 2da Edificio Promed
Panama

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 25 February 2028
Certificate Number: AC-2854

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. 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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PROMOCION MEDICA S.A.

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CALIBRATION

ISO/IEC 17025 Accreditation Granted: **21 February 2026**

Certificate Number: **AC-2854** Certificate Expiry Date: **25 February 2028**

Acoustics and Vibration

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Audiometry Equipment (Audiometers, Optoacoustics Emissions equipment, Impedance meters, sound cameras)	(75 to 106) dB (10 Hz to 20 kHz)	0.46 dB	Direct comparison per ANSI/ASA S3.6

Chemical Quantities

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Potential of Hydrogen – pH [1,3]	4 pH 7 pH 10 pH	0.014 pH 0.015 pH 0.015 pH	Certified Reference Materials; Comparison Method
Conductivity Meters [1,3]	5 µS/cm 100 µS/cm 1 000 µS/cm 1 413 µS/cm 100 mS/cm	0.62 µS/cm 2.1 µS/cm 4.7 µS/cm 4.7 µS/cm 0.37 mS/cm	Certified Reference Materials; Comparison Method

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Energy/Defibrillator [1]	(10 to 100) J (100 to 200) J (200 to 360) J	0.1 % of reading + 0.6 J 1.4 J 1.7 J	Comparison to Fluke Impulse 6000DP Defibrillator Analyzer
Electrical Simulation of pH Meters [1]	(-2 000 to 2 000) mV	0.1 mV	Comparison to THERMO ELECTRIC ISOCAL 9000

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pressure/ Blood Pressure Cuff [1]	(0 to 300) mmHg	0.45 mmHg	Comparison to Druck DPIN610 / GE 2200-A145, Pressure Module 2200-A145
Analytical Balance [1,6]	(0 to 100) mg (0 to 10) g (0 to 22) g (0 to 50) g (0 to 100) g (0 to 200) g (0 to 300) g (0 to 520) g	1.9 µg 1.7 µg 27 µg 64 µg 0.11 mg 0.19 mg 0.29 mg 0.44 mg	Class Weights Mass – OIML Class E2 and F1 for Balance Resolution ≥ 0,1 mg; Comparison Method
Balances / Weighing Instruments [1,6]	(0 to 310) g (0 to 3) kg (0 to 6) kg (0 to 10) kg (0 to 20) kg (0 to 40) kg (0 to 64) kg	0.59 mg 2.2 mg 3.7 mg 6.2 mg 9.6 mg 12 mg 24 mg	Class Weights Mass – OIML Class E2, F1, M1; Comparison Method
Balances / Scales Floor Scale, Weighing Instruments [1,6]	(0 to 150) kg (0 to 300) kg (0 to 500) kg (0 to 1 000) kg (0 to 3 000) kg	16 g 21 g 56 g 83 g 0.34 kg	Class Weights Mass – OIML Class F1, F2, M1, M2; Comparison Method

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Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Mass: OIML Classes E2, F1, F2, M1, M2 & M3	1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g	0.002 mg 0.002 mg 0.002 mg 0.002 6 mg 0.003 3 mg 0.004 mg 0.005 3 mg 0.006 7 mg 0.008 3 mg 0.01 mg 0.013 mg 0.016 mg 0.02 mg 0.026 mg 0.033 mg 0.053 mg 0.1 mg 0.26 mg	Comparison to Weight Set Class E1, E2 Mass Comparators: Mettler Toledo Model XPE56C Mettler Toledo Model XPE505C Mettler Toledo Model XPR2004SC
Mass: OIML Classes E2, F1, F2, M1, M2 & M3	1 kg 2 kg 5 kg 10 kg 20 kg 25 kg 50 kg	0.53 mg 1 mg 2.7 mg 5.3 mg 10 mg 20 mg 27 mg	Comparison to Weight Set Class E1, E2 Mass Comparators: Mettler Toledo XPR10003SC Mettler Toledo XPR64003 LD5C
Piston Volume Devices [1]	1 µL 1.25 µL 2 µL 2.5 µL 5 µL 10 µL 20 µL 25 µL 30 µL 50 µL 100 µL 150 µL 200 µL 300 µL	5 % of indicated volume 2 % of indicated volume 2 % of indicated volume 2 % of indicated volume 0.8 % of indicated volume 0.6 % of indicated volume 0.3 % of indicated volume 0.3 % of indicated volume 0.3 % of indicated volume 0.2 % of indicated volume 0.3 % of indicated volume 0.3 % of indicated volume 0.3 % of indicated volume 0.3 % of indicated volume	Gravimetric Calibration referenced to Mass Balances: Mettler Toledo XP26PC -Mettler Toledo SAG105 -Mettler Toledo MCP105 (Movil Balance) ISO 8655 Family

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Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Piston Volume Devices [1]	500 µL 600 µL 1 mL 1.2 mL 2 mL 2.5 mL 5 mL 10 mL 12.5 mL 25 mL	0.2 % of indicated volume 0.2 % of indicated volume 0.1 % of indicated volume 0.2 % of indicated volume 0.1 % of indicated volume 0.3 % of indicated volume 0.1 % of indicated volume 0.1 % of indicated volume 0.1 % of indicated volume 0.1 % of indicated volume	Gravimetric Calibration Referenced to Mass Balances: Mettler Toledo XP26PC -Mettler Toledo SAG105 -Mettler Toledo MCP105 (Movil Balance) ISO 8655 Family
Motor Driven Piston Burettes	1 mL 2 mL 5 mL 10 mL 20 mL 25 mL 50 mL 100 mL	0.2 % of indicated volume 0.2 % of indicated volume 0.1 % of indicated volume 0.07 % of indicated volume 0.07 % of indicated volume 0.07 % of indicated volume 0.05 % of indicated volume 0.03 % of indicated volume	Gravimetric Calibration Referenced to Mass Balances, ISO 8655 Family ISO 8655-3 Piston Burettes
Manual Piston Burettes	1 mL 2 mL 5 mL 10 mL 20 mL 25 mL 50 mL 100 mL	0.2 % of indicated volume 0.2 % of indicated volume 0.1 % of indicated volume 0.1 % of indicated volume 0.07 % of indicated volume 0.07 % of indicated volume 0.07 % of indicated volume 0.07 % of indicated volume	Gravimetric Calibration Referenced to Mass Balances, ISO 8655 Family ISO 8655-3 Piston Burettes
Piston Dispensers	0,01 mL 0.02 mL 0.05 mL 0.1 mL 0.2 mL 0.5 mL 1 mL 2 mL 5 mL 10 mL 25 mL 50 mL 100 mL 200 mL	0.7 % of indicated volume 0.7 % of indicated volume 0.5 % of indicated volume 0.5 % of indicated volume 0.3 % of indicated volume 0.3 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume	Gravimetric Calibration Referenced to Mass Balances, ISO 8655 Family ISO 8655-5 Dispensers

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Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Piston Dilutors	0.05 mL 0.1 mL 0.2 mL 0.5 mL 1 mL 2 mL 5 mL 10 mL 25 mL 50 mL 100 mL	0.6 % of indicated volume 0.5 % of indicated volume 0.3 % of indicated volume 0.3 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume	Gravimetric Calibration Referenced to Mass Balances, ISO 8655 Family ISO8655-4 Dilutors
Laboratory Glassware/ Burettes	1 mL 2 mL 5 mL 6 mL 10 mL 25 mL 30 mL 50 mL 100 mL	0.2 % of indicated volume 0.2 % of indicated volume 0.06 % of indicated volume 0.1 % of indicated volume 0.05 % of indicated volume 0.06 % of indicated volume 0.1 % of indicated volume 0.03 % of indicated volume 0.12 % of indicated volume	Gravimetric Calibration Balances: Mettler Toledo XP26PC Mettler Toledo SAG105 Mettler Toledo XS203S ISO 385 STANDARD
Laboratory Glassware/ Graduated Pipettes	0.1 mL 0.2 mL 0.5 mL 1 mL 2 mL 5 mL 10 mL 20 mL 25 mL 50 mL 100 mL	2 % of indicated volume 2 % of indicated volume 0.7 % of indicated volume 0.2 % of indicated volume 0.14 % of indicated volume 0.07 % of indicated volume 0.05 % of indicated volume 0.035 % of indicated volume 0.03 % of indicated volume 0.02 % of indicated volume 0.015 % of indicated volume	Gravimetric Calibration Balances: Mettler Toledo XP26PC Mettler Toledo SAG105 Mettler Toledo XS203S ISO 835 STANDARD
Laboratory Glassware/ Single Volume Pipettes	0.5 mL 1 mL 2 mL 5 mL 10 mL 20 mL 25 mL 50 mL 100 mL	0.7 % of indicated volume 0.2 % of indicated volume 0.14 % of indicated volume 0.07 % of indicated volume 0.05 % of indicated volume 0.035 % of indicated volume 0.03 % of indicated volume 0.02 % of indicated volume 0.015 % of indicated volume	Gravimetric Calibration Balances: Mettler Toledo XP26PC Mettler Toledo SAG105 Mettler Toledo XS203S ISO 648 STANDARD

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Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Laboratory Glassware/ One Mark Volumetric Flasks/ Graduated Flasks	1 mL 2 mL 5 mL 10 mL 20 mL 25 mL 50 mL 100 mL 200 mL 250 mL 300 mL 400 mL 500 mL 700 mL 800 mL 1 000 mL 2 000 mL	1.13 % of indicated volume 1.13 % of indicated volume 0.25 % of indicated volume 0.15 % of indicated volume 0.13 % of indicated volume 0.1 % of indicated volume 0.075 % of indicated volume 0.05 % of indicated volume 0.04 % of indicated volume 0.035 % of indicated volume 0.03 % of indicated volume 0.03 % of indicated volume 0.03 % of indicated volume 0.03 % of indicated volume 0.03 % of indicated volume 0.025 % of indicated volume 0.025 % of indicated volume	Gravimetric Calibration Balances: Mettler Toledo XP26PC Mettler Toledo SAG105 Mettler Toledo XS203S Mettler Toledo Model XPE505C Mettler Toledo Model XPR2004SC Mettler Toledo XPR10003SC Mettler Toledo XPR64003 LD5C ISO 1042 STANDARD
Test Tubes	5 mL 10 mL 25 mL 50 mL 100 mL 200 mL 250 mL 500 mL 1 000 mL	0.4 % of indicated volume 0.2 % of indicated volume 0.56 % of indicated volume 0.2 % of indicated volume 0.2 % of indicated volume 0.8 % of indicated volume 0.2 % of indicated volume 0.4 % of indicated volume 0.2 % of indicated volume	Gravimetric Calibration ISO 4788 STANDARD
Chemical Glasses	500 mL 600 mL 700 mL 800 mL 1 000 mL	0. 1% of indicated volume 0.08 % of indicated volume 0.07 % of indicated volume 0.06 % of indicated volume 0.07 % of indicated volume	Gravimetric Calibration ISO 1042 STANDARD
Pycnometer	25 mL 50 mL 100 mL	0.005 % of indicated volume 0.005 % of indicated volume 0.005 % of indicated volume	Gravimetric Calibration ISO 3507 STANDARD
Metallic Volumetrics	19 L 20 L	0.015 % of indicated volume 0.015 % of indicated volume	Gravimetric Calibration OIML R120

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Photometry and Radiometry

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Wavelength / Spectrophotometer [1]	(219 to 641) nm	0.16 nm	Comparison to Holmium Oxide Reference Material
Absorbance /Photometric Scale [1]	1 % Au 3 % Au 10 % Au 20 % Au 30 % Au 50 % Au 90 % Au	0.005 9 Au 0.005 2 Au 0.002 8 Au 0.002 8 Au 0.002 8 Au 0.002 8 Au 0.002 8 Au	Comparison to Neutral Density Filters with Different Transmittance Percentages

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature/ Digital Thermometers Direct Indication Thermometers Temperature Data Loggers Bimetallic Thermometers [1]	(-30 to 250) °C	0.05 °C	Comparison to Digital Thermometer: ISOTECH 935-14-95H ISOTECH T100-250-316-9 TESTO 614.024; Bath: INSCO 777, ISOTECH Orion 796 H, ISOTECH Fast Cal
Liquid-in-Glass Thermometers	(-30 to 250) °C	0.1 °C	Comparison to Digital Thermometer: ISOTECH 935-14-95H ISOTECH T100-250-316-9 TESTO 614.024; Bath: INSCO 777, ISOTECH Orion 796 H, ISOTECH Fast Cal
Environmental Thermometers	(17 to 40) °C	0.23 °C	Comparison to INSCO 777 Calibration Bath, Isotech Chamber, Thermo Scientific Heratharm IMC18

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Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Infrared (IR) Thermometers	(30 to 45) °C	0.67 °C	Comparison to Infrared Blackbody Temperature Calibrator Ɛ = 0.95, λ = (8 to 14) µm
Temperature Measure, Incubators, Coolers, Ovens, Circulating Baths, Environmental Chambers, Autoclaves	(-80 to -40) °C (-40 to -20) °C (-20 to 20) °C (20 to 140) °C (140 to 250) °C (250 to 600) °C (600 to 1 200) °C	1.2 °C 0.48 °C 0.37 °C 0.18 °C 1.3 °C 2.1 °C 2.7 °C	Comparison to Temperature Dataloggers, Thermometer with Type K Thermocouple Probe
Humidity Measuring Equipment	(40 to 70) %RH	2.2 %RH	Comparison to Vaisala Indicator/Probe, Chamber

Time and Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Centrifugal Speed [1,2]	(10 to 25) rpm (25 to 100) rpm (100 to 1 000) rpm (1 000 to 93 750) rpm	0.001 % of reading + 0.1 rpm 0.001 % of reading + 0.1 rpm 0.000 5 % of reading + 0.1 rpm 0.000 5 % of reading + 1 rpm	Comparison to Digital Tachometer Extech 461995, Digital Tachometers Testo 465 and 470
Cardiac Rate/ECG Multi-parameter Monitor [1,2] (Electrical Simulation)	(60 to 300) BPM	0.82 BPM	Comparison to Patient Simulator MPS450

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. rpm = revolutions per minute; BPM = beats per minute.
3. The nominal values listed are approximate. Certified values will be utilized on the calibration certificate and in Measurement Uncertainty calculations ate the time of calibration.
4. Unless otherwise specified in the far-right column, the calibration procedure/method utilized by the laboratory was developed and validated internally.
5. The CMC for scales and balances is highly dependent upon the resolution of the unit under test. The CMC presented here does not include the resolution of the unit under test. The resolution will be included in the reported measurement uncertainty at the time of calibration.

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