



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Test Solutions de Mexico, S.A. de C.V.
Via Rápida Oriente #17228-3, Rio Tijuana 3ra Etapa
Tijuana B.C., C.P. 22226
(and satellite location as shown on the scope)

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

while demonstrating technical competence in the field of

CALIBRATION AND TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AC-1364

Certificate Number



ANAB Approval

Certificate Valid Through: 01/05/2021
Version No. 010 Issued: 11/13/2019



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).



ANSI National Accreditation Board

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
AND ANSI/NCSL Z540-1-1994 (R2002)**

Test Solutions de México, S.A. de C.V.

Vía Rápida Oriente #17228-3 Rio Tijuana 3ra Etapa
Tijuana B.C., C.P. 22226

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CALIBRATION AND TESTING

Valid to: **January 5, 2021**

Certificate Number: **AC-1364**

CALIBRATION

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
DC Voltage - Source	(1 to 100) μ V 100 μ V to 100 mV 100 mV to 1 V (1 to 10) V (10 to 100) V 100 V to 1.1 kV	13 μ V 37 μ V/V + 9 μ V 49 μ V/V + 5 μ V 64 μ V/V - 47 μ V 76 μ V/V + 0.45 mV 46 μ V/V + 9.7 mV	Fluke 5500A Multiproduct Calibrator
DC Current - Source	Up to 190 μ A 190 μ A to 3.3 mA (3.3 to 33) mA (33 to 330) mA 330 mA to 2.2 A (2.2 to 10) A	2.1 μ A 0.51 μ A/A + 2 μ A 1.1 μ A/A + 20 nA 2.7 mA/A - 52 μ A 1.4 mA/A + 0.38 mA 2.5 mA/A + 2 mA	Fluke 5500A Multiproduct Calibrator
AC Voltage - Source	(1 to 30) mV Up to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz	60 μ V 71 μ V 89 μ V 0.27 mV 1.7 mV	Fluke 5500A Multiproduct Calibrator

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
AC Voltage - Source	(30 to 330) mV Up to 45 Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz	1.4 mV/V + 17 μ V 1.5 mV/V + 16 μ V 1.5 mV/V + 26 μ V 1.2 mV/V + 54 μ V 7.8 mV/V + 28 μ V 51 mV/V + 0.18 mV	Fluke 5500A Multiproduct Calibrator
AC Voltage - Source	330 mV to 3.3 V Up to 45 Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (3.3 to 33) V Up to 45 Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (33 to 330) V Up to 45 Hz 45 Hz to 1 kHz (1 to 10) kHz (10 to 20) kHz (330 to 750) V Up to 45 Hz 45 Hz to 1 kHz (1 to 10) kHz	1.5 mV/V 1.5 mV/V + 16 μ V 1.5 mV/V + 36 μ V 2.7 mV/V 7.9 mV/V + 22 μ V 51.5 mV/V 1.5 mV/V 1.5 mV/V 1.5 mV/V + 67 μ V 2.7 mV/V + 89 μ V 7.9 mV/V + 220 μ V 1.2 mV/V + 7.8 mV 1.2 mV/V + 8 mV 1.3 mV/V + 6 mV 1.3 mV/V + 7.3 mV 0.65 mV/V + 0.2 V 0.65 mV/V + 0.2 V 0.68 mV/V + 0.2 V	Fluke 5500A Multiproduct Calibrator
AC Current - Source	(1 to 330) μ A Up to 45 Hz 45 Hz to 1 kHz 330 μ A to 3.3 mA Up to 45 Hz 45 Hz to 1 kHz (3.3 to 33) mA Up to 45 Hz 45 Hz to 1 kHz	17 μ A 12 μ A 20 μ A/A + 10 μ A 5.1 μ A/A + 10 μ A 20 μ A/A + 10 μ A 5.1 μ A/A + 10 μ A	Fluke 5500A Multiproduct Calibrator



ANSI National Accreditation Board

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
AC Current - Source	(33 to 330) mA Up to 45 Hz 45 Hz to 1 kHz (1 to 5) kHz	1.2 μ A/A + 0.4 mA 1.1 μ A/A + 0.4 mA 1.1 μ A/A + 0.4 mA	Fluke 5500A Multiproduct Calibrator
	330 mA to 2.2 A Up to 45 Hz 45 Hz to 1 kHz (1 to 5) kHz (2.2 to 10) A Up to 45 Hz 45 Hz to 1 kHz	3.3 mA/A + 0.3 mA 2.6 mA/A + 78 μ A 4 mA/A + 555 μ A 14 mA/A + 25 mA 16 mA/A + 29 mA	
Resistance	(0 to 11) Ω (11 to 33) Ω (33 to 110) Ω (110 to 330) Ω 330 Ω to 1.1 k Ω (1.1 to 3.3) k Ω (3.3 to 11) k Ω (11 to 33) k Ω (33 to 110) k Ω (110 to 330) k Ω 330 k Ω to 1.1 M Ω (1.1 to 3.3) M Ω (3.3 to 11) M Ω (11 to 33) M Ω	0.5 m Ω / Ω + 3.4 m Ω 0.13 m Ω / Ω + 3.9 m Ω 0.17 m Ω / Ω + 2.6 m Ω 99 $\mu\Omega$ / Ω + 10 m Ω 0.22 m Ω / Ω - 29 m Ω 0.1 m Ω / Ω + 0.1 Ω 0.2 m Ω / Ω - 0.29 Ω 0.1 m Ω / Ω + 0.98 Ω 0.2 m Ω / Ω - 2.8 Ω 0.1 m Ω / Ω + 9.9 Ω 0.65 m Ω / Ω - 0.17 k Ω 0.41 m Ω / Ω + 95 Ω 13 m Ω / Ω - 40 k Ω 8.4 m Ω / Ω + 6 k Ω	Fluke 5500A Multiproduct Calibrator
Electrical Simulation of Thermocouple indicating devices	Type B (600 to 800) $^{\circ}$ C (800 to 1 000) $^{\circ}$ C (1 000 to 1 820) $^{\circ}$ C Type C (0 to 150) $^{\circ}$ C (150 to 650) $^{\circ}$ C (650 to 1 000) $^{\circ}$ C (1 000 to 1 800) $^{\circ}$ C (1 800 to 2 316) $^{\circ}$ C Type E (-250 to -100) $^{\circ}$ C (-100 to -25) $^{\circ}$ C (-25 to 650) $^{\circ}$ C (650 to 1 000) $^{\circ}$ C	1.5 $^{\circ}$ C 1.2 $^{\circ}$ C 1.1 $^{\circ}$ C 0.79 $^{\circ}$ C 0.78 $^{\circ}$ C 0.95 $^{\circ}$ C 1.3 $^{\circ}$ C 2.3 $^{\circ}$ C 0.83 $^{\circ}$ C 0.69 $^{\circ}$ C 0.68 $^{\circ}$ C 0.62 $^{\circ}$ C	Fluke 5500A Multiproduct Calibrator



Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Electrical Simulation of Thermocouple indicating devices	Type J		Fluke 5500A Multiproduct Calibrator
	(-210 to -100) °C	0.79 °C	
	(-100 to 760) °C	0.54 °C	
	(760 to 1 200) °C	0.7 °C	
	Type K		
	(-200 to -100) °C	0.89 °C	
	(-100 to -25) °C	0.55 °C	
	(-25 to 120) °C	0.54 °C	
	(120 to 1 000) °C	0.7 °C	
	(1 000 to 1 372) °C	0.92 °C	
	Type L		
	(-200 to -100) °C	0.83 °C	
(-100 to 800) °C	0.58 °C		
(800 to 900) °C	0.68 °C		

Length – Dimensional metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calipers ²	Outside	(410 + 7L) μin	Gage Blocks Ring Gages
	Inside		
Micrometers	Up to 1 in	40 μin	Gage Blocks
	(1 to 6) in	74 μin	

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Scales and Balances	Up to 16 oz	0.004 oz	Class F & Cast Iron Weights
	(1 to 5) lb	0.000 4 lb	
	(5 to 10) lb	0.000 8 lb	
	(10 to 100) lb	0.02 lb	
Scales and Balances	Up to 500 g	0.12 g	Class F & Cast Iron Weights
	500 g to 2.2 kg	0.16 g	
	(2.2 to 4.4) kg	0.37 g	
	(4.4 to 45) kg	6.4 g	

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque	Up to 500 lbf-in	2.6 lbf-in	Transducer Techniques TRT-500 Torque Transducer
	(500 to 5000) lbf-in	23 lbf-in	Transducer Techniques TRS-5K Torque Transducer
Mass Flow Meters ²	Up to 2 ml/min (2 to 20) ml/min (20 to 200) ml/min (200 to 2 000) ml/min (2 000 to 20 000) ml/min	110 µl/min (0.007F + 0.092) ml/min (0.011F + 0.011) ml/min (0.015F - 0.82) ml/min (0.015F + 0.890) ml/min	Ateq CDF Flowmeter
Pressure	(-12 to 300) psi	0.07 psi	Fluke 725 Process Calibrator with Fluke 700P27 Pressure Module
	(300 to 10 000) psi	3 psi	Fluke 725 Process Calibrator with Fluke 700P31 Pressure Module
Pipettes and Other Volumetric Devices ¹	100 µL 1 mL 5 mL 25 mL 100 mL 250 mL 500 mL 1 000 mL 4 000 mL 6 000 mL	1.4 µl 1.4 µl 4.2 µl 12 µl 54 µl 67 µl 0.16 ml 0.46 ml 1.1 ml 1.6 ml	Balances Ohaus EX-225D A&D GX-1000 Ohaus EX-10202



TESTING

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Airborne Particle Count Test, Airflow Test, Air Pressure Difference Test, Airflow Visualization Test, Temperature Test, Humidity Test, Electrostatic Test, Recovery Test, Face Velocity Test, Noise/Sound Level Test, Vibration Test & Lighting Level Test	ISO 14644-1, ISO 14644-3, IEST-RP-CC002.4, IEST-RPCC006.3, ANSI/ASHRAE Standard 110, NOM-059-SSA1-2015, NOM-164-SSA1-2015, NOM-241-SSA1-2012 & NOM-025-STPS-2008	Laminar Flow Devices, Fume Hoods, Bio-Safety Cabinets & Clean Room	-
Installed Filter System Leakage Test	ISO 14644-3, IEST-RP-CC002.4, IEST-RP-CC034.4, NOM-059-SSA1-2015, NOM-164-SSA1-2015 & NOM-241-SSA1-2012	HEPA Filters & ULPA Filters	-
Dew Point/Humidity & Liquid Water Test	ISO 8573-1 & ISO 8573-3	Compressed Air	-
Oil Aerosol & Vapor Content Test	ISO 8573-1, ISO 8573-2 & ISO 8573-5	Compressed Air	-
Gaseous Contamination Content Test	ISO 8573-1 & ISO 8573-6	Compressed Air	-
Solid Particle Content Test	ISO 8573-1 & ISO 8573-4	Compressed Air	-



ANSI National Accreditation Board

Services performed at satellite location

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CALIBRATION

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
DC Voltage - Source	(1 to 100) μ V 100 μ V to 100 mV 100 mV to 1 V (1 to 10) V (10 to 100) V 100 V to 1.1 kV	13 μ V 37 μ V/V + 9 μ V 49 μ V/V + 5 μ V 64 μ V/V - 47 μ V 76 μ V/V + 0.45 mV 46 μ V/V + 9.7 mV	Fluke 5500A Multiproduct Calibrator
DC Current - Source	Up to 190 μ A 190 μ A to 3.3 mA (3.3 to 33) mA (33 to 330) mA 330 mA to 2.2 A (2.2 to 10) A	2.1 μ A 0.51 μ A/A + 2 μ A 1.1 μ A/A + 20 nA 2.7 mA/A - 52 μ A 1.4 mA/A + 0.38 mA 2.5 mA/A + 2 mA	Fluke 5500A Multiproduct Calibrator
AC Voltage - Source	(1 to 30) mV Up to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz	60 μ V 71 μ V 89 μ V 0.27 mV 1.7 mV	Fluke 5500A Multiproduct Calibrator
AC Voltage - Source	(30 to 330) mV Up to 45 Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz	1.4 mV/V + 17 μ V 1.5 mV/V + 16 μ V 1.5 mV/V + 26 μ V 1.2 mV/V + 54 μ V 7.8 mV/V + 28 μ V 51 mV/V + 0.18 mV	Fluke 5500A Multiproduct Calibrator

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
AC Voltage - Source	330 mV to 3.3 V		
	Up to 45 Hz	1.5 mV/V	
	45 Hz to 10 kHz	1.5 mV/V + 16 μ V	
	(10 to 20) kHz	1.5 mV/V + 36 μ V	
	(20 to 50) kHz	2.7 mV/V	
	(50 to 100) kHz	7.9 mV/V + 22 μ V	
	(100 to 300) kHz	52 mV/V	
	(3.3 to 33) V		
	Up to 45 Hz	1.5 mV/V	
	45 Hz to 10 kHz	1.5 mV/V	
	(10 to 20) kHz	1.5 mV/V + 67 μ V	
	(20 to 50) kHz	2.7 mV/V + 89 μ V	
	(50 to 100) kHz	7.9 mV/V + 220 μ V	
	(33 to 330) V		
Up to 45 Hz	1.2 mV/V + 7.8 mV		
45 Hz to 1 kHz	1.2 mV/V + 8 mV		
(1 to 10) kHz	1.3 mV/V + 6 mV		
(10 to 20) kHz	1.3 mV/V + 7.3 mV		
(330 to 750) V			
Up to 45 Hz	0.65 mV/V + 0.2 V		
45 Hz to 1 kHz	0.65 mV/V + 0.2 V		
(1 to 10) kHz	0.68 mV/V + 0.2 V		
AC Current - Source	(1 to 330) μ A		Fluke 5500A Multiproduct Calibrator
	Up to 45 Hz	17 μ A	
	45 Hz to 1 kHz	12 μ A	
	330 μ A to 3.3 mA		
	Up to 45 Hz	20 μ A/A + 10 μ A	
	45 Hz to 1 kHz	5.1 μ A/A + 10 μ A	
	(3.3 to 33) mA		
	Up to 45 Hz	20 μ A/A + 10 μ A	
	45 Hz to 1 kHz	5.1 μ A/A + 10 μ A	
	(33 to 330) mA		
	Up to 45 Hz	1.2 μ A/A + 0.4 mA	
	45 Hz to 1 kHz	1.1 μ A/A + 0.4 mA	
	(1 to 5) kHz	1.1 μ A/A + 0.4 mA	
	330 mA to 2.2 A		
Up to 45 Hz	3.3 mA/A + 0.3 mA		
45 Hz to 1 kHz	2.6 mA/A + 78 μ A		
(1 to 5) kHz	4 mA/A + 555 μ A		



Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
AC Current - Source	(2.2 to 10) A Up to 45 Hz 45 Hz to 1 kHz	14 mA/A + 25 mA 16 mA/A + 29 mA	Fluke 5500A Multiproduct Calibrator
Resistance	(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 k Ω to 1.1 MΩ (1.1 to 3.3) MΩ (3.3 to 11) MΩ (11 to 33) MΩ	0.5 mΩ/Ω + 3.4 mΩ 0.13 mΩ/Ω + 3.9 mΩ 0.17 mΩ/Ω + 2.6 mΩ 99 μΩ/Ω + 10 mΩ 0.22 mΩ/Ω - 29 mΩ 0.1 mΩ/Ω + 0.1 Ω 0.2 mΩ/Ω - 0.29 Ω 0.1 mΩ/Ω + 0.98 Ω 0.2 mΩ/Ω - 2.8 Ω 0.1 mΩ/Ω + 9.9 Ω 0.65 mΩ/Ω - 0.17 kΩ 0.41 mΩ/Ω + 95 Ω 13 mΩ/Ω - 40 kΩ 8.4 mΩ/Ω + 6 kΩ	Fluke 5500A Multiproduct Calibrator
Electrical Simulation of Thermocouple indicating devices	Type B (600 to 800) °C (800 to 1 000) °C (1 000 to 1 820) °C Type C (0 to 150) °C (150 to 650) °C (650 to 1 000) °C (1 000 to 1 800) °C (1 800 to 2 316) °C Type E (-250 to -100) °C (-100 to -25) °C (-25 to 650) °C (650 to 1 000) °C Type J (-210 to -100) °C (-100 to 760) °C (760 to 1 200) °C	1.5 °C 1.2 °C 1.1 °C 0.79 °C 0.78 °C 0.95 °C 1.3 °C 2.3 °C 0.83 °C 0.69 °C 0.68 °C 0.62 °C 0.79 °C 0.54 °C 0.7 °C	Fluke 5500A Multiproduct Calibrator

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Electrical Simulation of Thermocouple indicating devices	Type K		Fluke 5500A Multiproduct Calibrator
	(-200 to -100) °C	0.89 °C	
	(-100 to -25) °C	0.55 °C	
	(-25 to 120) °C	0.54 °C	
	(120 to 1 000) °C	0.7 °C	
	(1 000 to 1 372) °C	0.92 °C	
Type L	(-200 to -100) °C	0.83 °C	
	(-100 to 800) °C	0.58 °C	
	(800 to 900) °C	0.68 °C	

Length – Dimensional metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calipers ²	Outside	(410 + 7L) μin	Gage Blocks Ring Gages
	Inside		
Micrometers	Inside	40 μin	Gage Blocks
	Outside	74 μin	

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Scales and Balances	Up to 16 oz	0.004 oz	Class F & Cast Iron Weights
	(1 to 5) lb	0.000 4 lb	
	(5 to 10) lb	0.000 8 lb	
	(10 to 100) lb	0.02 lb	
Scales and Balances	Up to 500 g	0.12 g	Class F & Cast Iron Weights
	500 g to 2.2 kg	0.16 g	
	(2.2 to 4.4) kg	0.37 g	
	(4.4 to 45) kg	6.4 g	
Torque	Up to 500 lbf-in	2.6 lbf-in	Transducer Techniques TRT-500 Torque Transducer



Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque	(500 to 5000) lbf·in	23 lbf·in	Transducer Techniques TRS-5K Torque Transducer
Mass Flow Meters ²	Up to 2 ml/min (2 to 20) ml/min (20 to 200) ml/min (200 to 2 000) ml/min (2 000 to 20 000) ml/min	110 µl/min (0.007F + 0.092) ml/min (0.011F + 0.011) ml/min (0.015F - 0.82) ml/min (0.015F + 0.890) ml/min	Ateq CDF Flowmeter
Pressure	(-12 to 300) psi	0.07 psi	Fluke 725 Process Calibrator with Fluke 700P27 Pressure Module
	(300 to 10 000) psi	3 psi	Fluke 725 Process Calibrator with Fluke 700P31 Pressure Module

TESTING

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Airborne Particle Count Test, Airflow Test, Air Pressure Difference Test, Airflow Visualization Test, Temperature Test, Humidity Test, Electrostatic Test, Recovery Test, Face Velocity Test, Noise/Sound Level Test, Vibration Test & Lighting Level Test	ISO 14644-1, ISO 14644-3, IEST-RP-CC002.4, IEST-RPCC006.3, ANSI/ASHRAE Standard 110, NOM-059-SSA1-2015, NOM-164-SSA1-2015, NOM-241-SSA1-2012 & NOM-025-STPS-2008	Laminar Flow Devices, Fume Hoods, Bio-Safety Cabinets & Clean Room	-
Installed Filter System Leakage Test	ISO 14644-3, IEST-RP-CC002.4, IEST-RP-CC034.4, NOM-059-SSA1-2015, NOM-164-SSA1-2015 & NOM-241-SSA1-2012	HEPA Filters & ULPA Filters	-


Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Dew Point/Humidity & Liquid Water Test	ISO 8573-1 & ISO 8573-3	Compressed Air	-
Oil Aerosol & Vapour Content Test	ISO 8573-1, ISO 8573-2 & ISO 8573-5	Compressed Air	-
Gaseous Contamination Content Test	ISO 8573-1 & ISO 8573-6	Compressed Air	-
Solid Particle Content Test	ISO 8573-1 & ISO 8573-4	Compressed Air	-

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. F = flow in ml/min, L = length in.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1364.



Vice President

