



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests 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)

Fulfills the requirements of

ISO/IEC 17025:2017

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

In the fields of

CALIBRATION and TESTING

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.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 05 January 2023
Certificate Number: AC-1364



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
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, 2023**

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	(100 to 330) mV (0.33 to 3.3) V (3.3 to 33) V (33 to 330) V 330 V to 1.1 kV	0.53 μ V/V + 9.3 μ V 1.8 μ V/V + 8.4 μ V 3.8 μ V/V + 1.9 μ V 4.5 μ V/V + 200 μ V 11 μ V/V + 34 μ V	Fluke 5500A Multiproduct Calibrator
DC Current - Source	190 μ A to 3.3 mA (3.3 to 33) mA (33 to 330) mA 330 mA to 2.2 A	92 μ A/A + 0.074 μ A 28 μ A/A + 0.46 μ A 110 μ A/A + 1.4 μ A 51 μ A/A + 73 μ A	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 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	490 μ V/V + 5 μ V 580 μ V/V + 0.4 μ V 520 μ V/V + 26 μ V 800 μ V/V – 0.9 μ V 300 μ V/V + 69 μ V 310 μ V/V + 88 μ V 380 μ V/V + 70 μ V 750 μ V/V + 16 μ V 950 μ V/V + 51 μ V	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 Voltage - Source	(3.3 to 33) V Up to 45 Hz	470 μ V/V + 500 μ V	Fluke 5500A Multiproduct Calibrator
	45 Hz to 10 kHz (10 to 20) kHz	380 μ V/V - 130 μ V 450 μ V/V - 140 μ V	
	(20 to 50) kHz (50 to 100) kHz	910 μ V/V - 510 μ V 860 μ V/V + 360 μ V	
	(33 to 330) V 45 Hz to 1 kHz	530 μ V/V - 4.7 mV	
AC Current - Source	(1 to 330) μ A Up to 45 Hz	1.9 μ A	Fluke 5500A Multiproduct Calibrator
	45 Hz to 1 kHz	0.93 μ A	
	330 μ A to 3.3 mA Up to 45 Hz	360 μ A/A + 1.8 μ A	
	45 Hz to 1 kHz	490 μ A/A + 0.77 μ A	
	(3.3 to 33) mA Up to 45 Hz	880 μ A/A	
	45 Hz to 1 kHz	690 μ A/A	
	(33 to 330) mA Up to 45 Hz	1.1 mA/A - 6 μ A	
	45 Hz to 1 kHz	1.1 mA/A - 14 μ A	
	(1 to 5) kHz	1.2 mA/A - 16 μ A	
	330 mA to 2.2 A Up to 45 Hz	1.3 mA/A - 88 μ A	
45 Hz to 1 kHz	1.4 mA/A - 110 μ A		
(1 to 5) kHz	1.8 mA/A - 240 μ A		



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Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
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	110 $\mu\Omega/\Omega$ + 1.9 m Ω 87 $\mu\Omega/\Omega$ + 2.1 m Ω 19 $\mu\Omega/\Omega$ + 4.3 m Ω 9.4 $\mu\Omega/\Omega$ + 2.5 m Ω 16 $\mu\Omega/\Omega$ + 0.31 m Ω 9.8 $\mu\Omega/\Omega$ + 7 m Ω 14 $\mu\Omega/\Omega$ – 8 m Ω 12 $\mu\Omega/\Omega$ + 19 m Ω 15 $\mu\Omega/\Omega$ – 110 m Ω 20 $\mu\Omega/\Omega$ – 1.1 Ω 20 $\mu\Omega/\Omega$ + 57 m Ω 120 $\mu\Omega/\Omega$ - 110 Ω 40 $\mu\Omega/\Omega$ + 160 Ω 550 $\mu\Omega/\Omega$ – 5.5 k Ω	Fluke 5500A Multiproduct Calibrator
Electrical Simulation of Thermocouple indicating devices	Type J (-210 to -100) $^{\circ}\text{C}$ (-100 to 760) $^{\circ}\text{C}$ (760 to 1 200) $^{\circ}\text{C}$ Type K (-200 to -100) $^{\circ}\text{C}$ (-100 to -25) $^{\circ}\text{C}$ (-25 to 120) $^{\circ}\text{C}$ (120 to 1 000) $^{\circ}\text{C}$ (1 000 to 1 372) $^{\circ}\text{C}$ Type T (0 to 120) $^{\circ}\text{C}$ (120 to 400) $^{\circ}\text{C}$	0.58 $^{\circ}\text{C}$ 0.48 $^{\circ}\text{C}$ 0.54 $^{\circ}\text{C}$ 1.1 $^{\circ}\text{C}$ 1.1 $^{\circ}\text{C}$ 0.81 $^{\circ}\text{C}$ 0.71 $^{\circ}\text{C}$ 0.81 $^{\circ}\text{C}$ 1.4 $^{\circ}\text{C}$ 0.7 $^{\circ}\text{C}$	Fluke 5500A Multiproduct Calibrator
DC Voltage - Measure	(0.1 to 1) V (1 to 10) V (10 to 100) V (100 to 1 000) V	22 $\mu\text{V}/\text{V}$ + 6.5 μV 29 $\mu\text{V}/\text{V}$ - 0.7 μV 45 $\mu\text{V}/\text{V}$ - 160 μV 42 $\mu\text{V}/\text{V}$ + 156 μV	HP 34401A Multimeter
DC Current - Measure	Up to 3 A	1.8 mA/A – 1.3 mA	HP 34401A Multimeter
AC Voltage - Measure	(0.1 to 1) V 1 kHz (1 to 10) V 1 kHz (10 to 100) V 1 kHz (100 to 750) V 1 kHz	440 $\mu\text{V}/\text{V}$ + 7.8 μV 420 $\mu\text{V}/\text{V}$ + 29 μV 770 $\mu\text{V}/\text{V}$ – 3.5 mV 730 $\mu\text{V}/\text{V}$ + 615 μV	HP 34401A Multimeter
AC Current - Measure	Up to 3 A 1 kHz	2.6 mA/A – 1.4 mA	HP 34401A Multimeter

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calipers ²	Outside	$(7.5L + 560) \mu\text{in}$	Gage Blocks, Ring Gages, Micrometer Standards
	Inside		
Dial Indicators ²	Up to 4 in	$(5.2L + 30) \mu\text{in}$	Gage Blocks
Test Indicators ²	Up to 0.04 in	$(190L + 72) \mu\text{in}$	Gage Blocks
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	0.000 33 lb	Class F & Cast Iron Weights
	(1 to 5) lb	0.001 6 lb	
	(5 to 10) lb	0.003 1 lb	
	(10 to 100) lb	0.034 lb	
Scales and Balances	Up to 500 g	0.15 g	Class F & Cast Iron Weights
	500 g to 2.2 kg	0.73 g	
	(2.2 to 4.4) kg	1.4 g	
	(4.4 to 45) kg	15 g	
Torque Wrenches and Tools ²	Up to 500 lbf·in	$(0.004 6T + 0.064) \text{ lbf}\cdot\text{in}$	Transducer Techniques TRT-500 Torque Transducer
	(500 to 5000) lbf·in	$(0.004 3T + 0.29) \text{ lbf}\cdot\text{in}$	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	0.034 ml/min 0.23 ml/min 1.5 ml/min 19 ml/min 360 ml/min	Ateq CDF Flow meter
Pressure	Up to 300 psi	0.088 psi	Fluke 725 Process Calibrator with Fluke 700P27 Pressure Module

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
	(300 to 6 000) psi	0.1 % of reading	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	1.8 µl 1.9 µl 2 µl 8.6 µl 35 µl 61 µl 0.12 ml 0.25 ml 0.98 ml 1.5 ml	Balances Ohaus EX-225D A&D GX-1000 Ohaus EX-10202

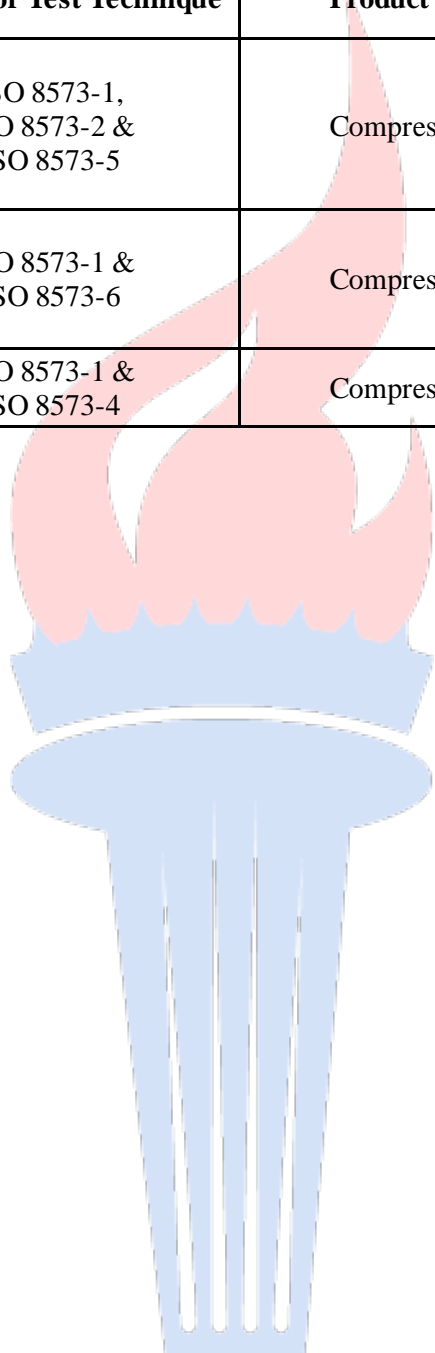
TESTING

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	Met One 3413 Particle Counter, TSI/Airflow PH731 Balometer, Fluke 975 AirMeter, Fluke 971 Temperature & Humidity Meter, Extech 407732 Sound Level Meter, Extech 407860 Vibration Meter, Extech HD450 Light Meter
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	ATI 2i Digital Aerosol Photometer, Met One 3413 Particle Counter
Dew Point/Humidity & Liquid Water Test	ISO 8573-1, ISO 8573-3, ISO 8573-9	Compressed Air	Vaisala MI70/DMP74B, Dew Point Meter & Probe, Dräger Autotest Alpha

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Oil Aerosol & Vapor Content Test	ISO 8573-1, ISO 8573-2 & ISO 8573-5	Compressed Air	CS Instruments OIL-CHECK 400 Residual Oil Content Measurement System, Dräger Autotest Alpha
Gaseous Contamination Content Test	ISO 8573-1 & ISO 8573-6	Compressed Air	RAE Systems PGM-6208 & PGM-2500 Gas Detector, Dräger Autotest Alpha
Solid Particle Content Test	ISO 8573-1 & ISO 8573-4	Compressed Air	Met One 3413 Particle Counter





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	(100 to 330) mV (0.33 to 3.3) V (3.3 to 33) V (33 to 330) V 330 V to 1.1 kV	0.53 μ V/V + 9.3 μ V 1.8 μ V/V + 8.4 μ V 3.8 μ V/V + 1.9 μ V 4.5 μ V/V + 200 μ V 11 μ V/V + 34 μ V	Fluke 5500A Multiproduct Calibrator
DC Current - Source	190 μ A to 3.3 mA (3.3 to 33) mA (33 to 330) mA 330 mA to 2.2 A	92 μ A/A + 0.074 μ A 28 μ A/A + 0.46 μ A 110 μ A/A + 1.4 μ A 51 μ A/A + 73 μ A	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	490 μ V/V + 5 μ V 580 μ V/V + 0.4 μ V 520 μ V/V + 26 μ V 800 μ V/V - 0.9 μ V	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 (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	300 μ V/V + 69 μ V 310 μ V/V + 88 μ V 380 μ V/V + 70 μ V 750 μ V/V + 16 μ V 950 μ V/V + 51 μ V 470 μ V/V + 500 μ V 380 μ V/V - 130 μ V 450 μ V/V - 130 μ V 910 μ V/V - 510 μ V 860 μ V/V + 360 μ V	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 Voltage - Source	(33 to 330) V 45 Hz to 1 kHz (1 to 10) kHz (10 to 20) kHz (330 to 750) V 45 Hz to 1 kHz (1 to 10) kHz	530 μ V/V – 4.7 mV 630 μ V/V – 8.3 mV 560 μ V/V – 3.9 mV 1.1 mV/V - 190 mV 320 μ V/V + 94 mV	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 (33 to 330) mA Up to 45 Hz 45 Hz to 1 kHz (1 to 5) kHz 330 mA to 2.2 A Up to 45 Hz 45 Hz to 1 kHz (1 to 5) kHz	1.9 μ A 0.93 μ A 360 μ A/A + 1.8 μ A 490 μ A/A + 0.77 μ A 880 μ A/A 690 μ A/A 1.1 mA/A – 6.2 μ A 1.1 mA/A – 14 μ A 1.2 mA/A – 16 μ A 1.3 mA/A - 88 μ A 1.4 mA/A - 110 μ A 1.8 mA/A -240 μ A	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 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	110 $\mu\Omega/\Omega$ + 1.9 m Ω 87 $\mu\Omega/\Omega$ + 2.1 m Ω 19 $\mu\Omega/\Omega$ + 4.4 m Ω 9.1 $\mu\Omega/\Omega$ + 2.6 m Ω 15 $\mu\Omega/\Omega$ + 3.1 m Ω 9.2 $\mu\Omega/\Omega$ + 9.5 m Ω 12 $\mu\Omega/\Omega$ + 31 m Ω 12 $\mu\Omega/\Omega$ + 33 m Ω 13 $\mu\Omega/\Omega$ + 25 m Ω 23 $\mu\Omega/\Omega$ – 0.78 Ω 19 $\mu\Omega/\Omega$ + 2.4 Ω 120 $\mu\Omega/\Omega$ - 110 Ω 38 $\mu\Omega/\Omega$ + 170 Ω 550 $\mu\Omega/\Omega$ – 5.5 k Ω	Fluke 5500A Multiproduct Calibrator



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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 (-210 to -100) °C (-100 to 760) °C (760 to 1 200) °C Type K (-200 to -100) °C (-100 to -25) °C (-25 to 120) °C (120 to 1 000) °C (1 000 to 1 372) °C Type T (0 to 120) °C (120 to 400) °C	0.58 °C 0.48 °C 0.54 °C 1.1 °C 1.1 °C 0.81 °C 0.71 °C 0.81 °C 1.4 °C 0.7 °C	Fluke 5500A Multiproduct Calibrator
DC Voltage - Measure	(0.1 to 1) V (1 to 10) V (10 to 100) V (100 to 1 000) V	22 μV/V + 6.5 μV 29 μV/V - 0.7 μV 45 μV/V - 160 μV 42 μV/V + 156 μV	HP 34401A Multimeter
DC Current - Measure	Up to 3 A	1.8 mA/A – 1.3 mA	HP 34401A Multimeter
AC Voltage - Measure	(0.1 to 1) V 1 kHz (1 to 10) V 1 kHz (10 to 100) V 1 kHz (100 to 750) V 1 kHz	440 μV/V + 7.8 μV 420 μV/V + 29 μV 770 μV/V – 3.5 mV 730 μV/V + 615 μV	HP 34401A Multimeter
AC Current - Measure	Up to 3 A 1 kHz	2.6 mA/A – 1.4 mA	HP 34401A Multimeter

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calipers ² Outside Inside	Up to 22 in 0.88 in 2 in	(7.5L + 560) μin 540 μin 580 μin	Gage Blocks, Ring Gages, Micrometer Standards
Dial Indicators ²	Up to 4 in	(5.2L + 30) μin	Gage Blocks

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Test Indicators ²	Up to 0.04 in	(190L + 72) μin	Gage Blocks
Micrometers			
Inside	Up to 1 in	40 μin	Gage Blocks
Outside	(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 (1 to 5) lb (5 to 10) lb (10 to 100) lb	0.000 33 lb 0.001 6 lb 0.003 1 lb 0.034 lb	NIST Class F & Cast Iron Weights
Scales and Balances	Up to 500 g 500 g to 2.2 kg (2.2 to 4.4) kg (4.4 to 45) kg	0.15 g 0.73 g 1.4 g 15 g	NIST Class F & Cast Iron Weights
Torque Wrenches and Tools ²	Up to 500 lbf·in	(0.004 6T + 0.064) lbf·in	Transducer Techniques TRT-500 Torque Transducer
	(500 to 5000) lbf·in	(0.004 3T + 0.29) lbf·in	Transducer Techniques TRS-5K Torque Transducer
Mass Flow Meters ²	(0.2 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	0.034 ml/min 0.23 ml/min 1.5 ml/min 19 ml/min 360 ml/min	Ateq CDF Flowmeter
Pressure	(-12 to 300) psi	0.088 psi	Fluke 725 Process Calibrator with Fluke 700P27 Pressure Module

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pressure	(300 to 10 000) psi	0.1 % of reading	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	Met One 3413 Particle Counter, TSI/Airflow PH731 Balometer, Fluke 975 AirMeter, Fluke 971 Temperature & Humidity Meter, Extech 407732 Sound Level Meter, Extech 407860 Vibration Meter, Extech HD450 Light Meter
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	ATI 2i Digital Aerosol Photometer, Met One 3413 Particle Counter
Dew Point/Humidity & Liquid Water Test	ISO 8573-1, ISO 8573-3, ISO 8573-9	Compressed Air	Vaisala MI70/DMP74B, Dew Point Meter & Probe, Dräger Autotest Alpha
Oil Aerosol & Vapour Content Test	ISO 8573-1, ISO 8573-2 & ISO 8573-5	Compressed Air	CS Instruments OIL-CHECK 400 Residual Oil Content Measurement System, Dräger Autotest Alpha
Gaseous Contamination Content Test	ISO 8573-1 & ISO 8573-6	Compressed Air	RAE Systems PGM-6208 & PGM-2500 Gas Detector, Dräger Autotest Alpha

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Solid Particle Content Test	ISO 8573-1 & ISO 8573-4	Compressed Air	Met One 3413 Particle Counter

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, T = torque in lbf in.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1364.



R. Douglas Leonard Jr., VP, PILR SBU

