

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

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CALIBRATION, DIMENSIONAL MEASUREMENT AND TESTING

Valid to: **October 29, 2022**

Certificate Number: **AC-1342**

CALIBRATION

Acoustics and Vibration

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Sound - Source	(94, 114) dB (251 to 1 000) Hz	0.29 dB	Sound Calibrator Tijuana Mexicali Juarez Monterrey Queretaro

DIMENSIONAL MEASUREMENT

3 Dimensional

Specific Tests and / or Properties Measured	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Dimensional ^{1,2} (CMM)	X axis to 705 mm Y axis to 1 005 mm Z axis to 605 mm	(7.6 + 4.6L/1 000) um	Mitutoyo CRTAS7106 with TP20 Probe per Customer Print or Report Tijuana Juarez
Dimensional ^{1,2} (Non-Contact)	X axis to 250 mm Y axis to 200 mm Z axis to 200 mm	(2.5+3.5L/1 000) um (2.5+3.5L/1 000) um (3.9+4.6L/1 000) um	Quick Vision QV-E202 per Customer Print or Report Tijuana Mexicali Juarez

TESTING

Environmental

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Face Velocity Test Airflow Smoke Pattern Test Leak/Backstreaming Test	ISO 14644-4 ANSI/ASHRAE 110 IEST-RP-CC002.4	Flow hood Devices Test	Thermal Anemometer Aerosol Generator Digital Aerosol Photometer Tijuana Mexicali Juárez Monterrey Querétaro
Airborne Particle Count Survey Airflow Measurement Airflow Smoke Pattern Test HEPA/ULPA filter leak Test Biological Safety Cabinet Classification	ISO 14644-1, ISO 14644-4 IEST-RP-CC034.2 IEST-RP-CC006.3 NSF/ANSI49-2004 Annex	Biological Safety Cabinet Test	Particle Counter Balometer Aerosol Generator Digital Aerosol Photometer Thermal Anemometer Tijuana Mexicali Juárez Monterrey Querétaro