



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

HELIUM LEAK TESTING, INC. CALIBRATION LABORATORY
3910 Royal Ave, Unit A
Simi Valley, CA 93063
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CALIBRATION

Valid To: March 31, 2021

Certificate Number: 4217.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1,4}:

I. Fluid Quantities

Parameter	Range	CMC ^{2,3} (±)	Comments
Gas Flow Rate – Helium	[(1 x 10 ⁻¹⁰) to (1 x 10 ⁻³)] Atm cc/sec	3.8 %	Mass spectrometer comparison calibration systems

II. Mechanical

Parameter	Range	CMC ^{2,3} (±)	Comments
Vacuum Gauges – All Gauges	[(1 x 10 ⁻³) to Atm] Torr	4.4 %	Vacuum gauge measurement system w/ capacitance manometers static comparisons
	[(1 x 10 ⁻⁷) to (1 x 10 ⁻³)] Torr	4.4 %	Vacuum gauge measurement system w/ spinning rotor gauge dynamic comparison

¹ This laboratory offers commercial calibration service.

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. CMCs 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 In the statement of CMC, the percent is defined as the percentage of reading.

⁴ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

HELIUM LEAK TESTING, INC. CALIBRATION LABORATORY

Simi Valley, CA

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 22nd day of April 2019.

A blue ink signature of the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4217.01
Valid to March 31, 2021

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