



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

HELIUM LEAK TESTING, INC. CALIBRATION LABORATORY  
3910 Royal Ave, Unit A  
Simi Valley, CA 93063  
Michael Markel Phone: 818 349 5690

CALIBRATION

Valid To: March 31, 2023

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<sup>1, 5</sup>:

I. Fluid Quantities

Parameter	Range	CMC <sup>2, 3, 4</sup> (±)	Comments
Helium Gas Flow Rate – Measure	[(1 x 10 <sup>-10</sup> ) to (1 x 10 <sup>-3</sup> )] Atm cc/sec	3.8 %	Mass spectrometer comparison calibration systems

II. Mechanical

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

<sup>1</sup> This laboratory offers commercial calibration service.

<sup>2</sup> 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.

<sup>3</sup> In the statement of CMC, the percent is defined as the percentage of reading.

<sup>4</sup> The type of instrument or material being calibrated is defined by the parameter. This indicates the laboratory is capable of calibrating instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.

<sup>5</sup> This scope meets A2LA's *P112 Flexible Scope Policy*.

A handwritten signature in blue ink, consisting of a stylized, cursive name.





## 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 9<sup>th</sup> day of February 2021.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 4217.01  
Valid to March 31, 2023



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