



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005  
& ANSI/NCSL Z540-1-1994

UHV TECH SERVICES INC.  
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Sandwich, NH 03227  
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CALIBRATION

Valid To: October 31, 2019

Certificate Number: 4265.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1</sup>:

I. Fluid Quantities

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Leak Rate – Helium Gas Leak Standards	( $0.1 \times 10^{-8}$ to $9.9 \times 10^{-6}$ ) mbar-l/s	8.5 % of reading	Helium leak standard comparison calibration using a helium mass spectrometer
Test Components	(>0.1 to $5 \times 10^{-12}$ ) mbar-l/s	6.2 % of reading	Test component connected to helium mass spectrometer under vacuum
	(>0.1 to $1 \times 10^{-7}$ ) mbar-l/s	6.2 % of reading	Sniffer attached to helium mass spectrometer

<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.



## Accredited Laboratory

A2LA has accredited

**UHV TECH SERVICES INC.**

*Sandwich, NH*

for technical competence in the field of

**Calibration**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSLI Z540-1-1994 and 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 8 January 2009).



Presented this 2<sup>nd</sup> day of August 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 4265.01  
Valid to October 31, 2019

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