



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PACE<sup>®</sup> ANALYTICAL LIFE SCIENCES, LLC, TECHNICAL FIELD SERVICES  
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Minneapolis, MN 55414  
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CALIBRATION

Valid To: June 30, 2026

Certificate Number: 2700.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations<sup>1,3</sup>:

I. Thermodynamic

Parameter/Equipment	Range	CMC <sup>2,4</sup> (±)	Comments
Temperature – Measuring Equipment			
	By Comparison		
	(-90 to 0) °C	0.12 °C	Hart 1502A, Hart 5615 PRT, dry wells
	(0 to 100) °C	0.13 °C	
	(100 to 140) °C	0.13 °C	
(140 to 400) °C	0.10 °C		
	(-30 to 100) °C	0.080 °C	Hart 1502A, Hart 5615 PRT, Hart 7103 microbath

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

<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.



## Accredited Laboratory

A2LA has accredited

# PACE ANALYTICAL LIFE SCIENCES, LLC, TECHNICAL FIELD SERVICES

*Minneapolis, MN*

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 5<sup>th</sup> day of June 2024.

A blue ink signature of Mr. Trace McInturff, Vice President of Accreditation Services.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2700.01  
Valid to June 30, 2026



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