



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PACE ANALYTICAL SERVICES, LLC, LAB OPS DIVISION
1800 Elm Street
Minneapolis, MN 55414
Jodi Taylor Phone: 612 656 1128

CALIBRATION

Valid To: June 30, 2020

Certificate Number: 2700.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Thermodynamic

Parameter/Equipment	Range	CMC ² (±)	Comments
Temperature – Temperature Measuring Equipment	(-30 to 100) °C	0.080 °C	Hart 1502A, Hart 5615 PRT, Hart 7103 microbath
	(100 to 140) °C	0.13 °C	Hart 1502A, Hart 5615 PRT, Hart 9103 dry well
	(140 to 400) °C	0.10 °C	Hart 1502A, Hart 5615 PRT, HTR400 dry well

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.



Accredited Laboratory

A2LA has accredited

PACE ANALYTICAL SERVICES, LLC, LABOPS DIVISION

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 11th day of September 2018.

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

President and CEO
For the Accreditation Council
Certificate Number 2700.01
Valid to June 30, 2020

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