



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

PARTICLE MEASURING SYSTEMS  
5475 Airport Boulevard  
Boulder, CO 80301  
Michael D. Gentry Phone: 303 443 7100

CALIBRATION

Valid To: February 29, 2020

Certificate Number: 3962.01

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. Optical Quantities

Parameter/Equipment	Range	CMC <sup>2,3</sup> (±)	Comments
Aerosol Particle Counter – Counting Efficiency	(0.1 to 1.0) µm	3.0 %	ISO 21501-4 Comparison against a standard particle counter
Particle Size	(0.1 to 5.0) µm	(External PHA): 1.2 %  (Internal PHA): 1.2 %	Comparison against standard particles

<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, percentages are percentage of reading, unless otherwise indicated.



## *Accredited Laboratory*

A2LA has accredited

### **PARTICLE MEASURING SYSTEMS**

*Boulder, CO*

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 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 2<sup>nd</sup> day of March 2018.

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

President and CEO  
For the Accreditation Council  
Certificate Number 3962.01  
Valid to February 29, 2020

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