



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ATLAS MATERIAL TESTING TECHNOLOGY, LLC  
 1500 Bishop Court  
 Mount Prospect, IL 60056  
 Peter Wysgalla Phone: 773 289 5720

CALIBRATION

Valid To: March 31, 2018

Certificate Number: 2101.01

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 Radiation

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Control Parameters in Weathering and Environmental Chambers <sup>3, 4, 6</sup> –			
Temperature	(0 to 85) °C (-70 to 200) °C	0.7 °C 0.7 °C	Fluke 51, digital thermometer
Relative Humidity	(5 to 90) % RH	3.9 % RH	Vaisala HMI-41 humidity calibrator
Irradiance	Varies by Instrument	6.5 % narrow band 4.7 % broad band	Atlas reference lamp, Xenocal, UVTest radiometer
Wattage <sup>5</sup>	Up to 12 kW	0.12 kW	Hioki 3286-20 power meter

Parameter/Equipment	Range	CMC <sup>2,7</sup> (±)	Comments
Irradiance –			
Xenon			
Narrow Band	340 nm	6.3 %	Model Spectro 320D Instrument Systems Spectroradiometer
	420 nm	4.3 %	
Wide Band	(300 to 400) nm	5.2 %	
Fluorescent			
Narrow Band	310 nm	4.7 %	Optronics OL-754 Spectroradiometer
	340 nm	4.8 %	
	351 nm	5.3 %	

<sup>1</sup> This laboratory offers commercial calibration service and field 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 Uncertainty due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> Field calibration service is available for this calibration and this laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC Uncertainty found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC Uncertainty.

<sup>4</sup> This includes but is not limited to all Atlas Weather-Ometer® and Fade-Ometer® instruments, UVTest, UV2000, Suntest and LS200 instruments.

<sup>5</sup> Wattages are calibrated in the artificial weathering equipment to control temperature, humidity and irradiance.

<sup>6</sup> Methods of calibration include the use of equipment listed in the column or equivalent.

<sup>7</sup> In the statement of CMC Uncertainty, all percentages are defined as “percent of reading”.



## *Accredited Laboratory*

A2LA has accredited

# **ATLAS MATERIAL TESTING TECHNOLOGY LLC**

*Mount Prospect, IL*

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 any additional program requirements in the field of calibration. 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 20<sup>th</sup> day of May 2016.



A handwritten signature in blue ink, reading "Jim C. Bunt".

Senior Director of Quality and Communications  
For the Accreditation Council  
Certificate Number 2101.01  
Valid to March 31, 2018

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