



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, 2020

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>2,7</sup> ( $\pm$ )	Comments <sup>6</sup>
Control Parameters in Weathering Instruments <sup>3,4</sup> –			
Temperature	(0 to 85) °C	0.7 °C	Fluke 51 digital thermometer
Relative Humidity	(5 to 90) % RH	3.9 % RH	Vaisala HMI 51 humidity calibrator
AC Power <sup>5</sup>	Up to 6 kW (6 to 12) kW	0.4 % 3.0 %	Hioki PW3335 power meter

Parameter/Equipment	Range	CMC <sup>2,7</sup> (±)	Comments <sup>6</sup>
Illuminance <sup>3,4</sup> (with Xenocal) –  SUNTEST Instruments (380 to 780) nm  Xenotest Instruments (380 to 780) nm	Up to 240 klx  Up to 240 klx	5.0 %  7.6 %  10 %  4.6 %	Daylight, SolarStandard, WG, StoreLight, ID65  XC270, XC300, B04  XC320, XC320HLF, 7IR, 16H, 4IR3WG, 6IR1UV, GMW3414  10WG, TM16, DL Ext. IR
Irradiance <sup>3,4</sup> (with Xenocal) –  SUNTEST Instruments 340 nm 420 nm (300 to 400) nm (300 to 800) nm  (300 to 400) nm (300 to 800) nm  Xenotest Instruments – 340 nm 420 nm  (300 to 400) nm (300 to 800) nm	Up to 1.4 W·m <sup>-2</sup> ·nm <sup>-1</sup> Up to 3.5 W·m <sup>-2</sup> ·nm <sup>-1</sup> Up to 150 W·m <sup>-2</sup> Up to 1300 W·m <sup>-2</sup>  Up to 150 W·m <sup>-2</sup> Up to 1300 W·m <sup>-2</sup>  Up to 1.4 W·m <sup>-2</sup> ·nm <sup>-1</sup> Up to 3.5 W·m <sup>-2</sup> ·nm <sup>-1</sup>  Up to 150 W·m <sup>-2</sup> Up to 1300 W·m <sup>-2</sup>  Up to 150 W·m <sup>-2</sup> Up to 1300 W·m <sup>-2</sup>  Up to 150 W·m <sup>-2</sup> Up to 1300 W·m <sup>-2</sup>	8.1 % 7.5 % 11 % 8.0 %  14 % 8.0 %  8.1 % 7.5 %  14 % 12 %  9.9 % 9.8 %  11 % 7.8 %  9.3 % 7.8 %	Daylight, SolarStandard, WG, StoreLight  ID65  XC270, XC300, XC320, XC320HLF, 7IR, 16H 4IR3WG, 6IR1UV, GMW3414, 10WG, TM16, DL Ex. IR, B04  XC320, XC320HLF, 7IR, 16H, 4IR3WG, 6IRiUV, GMW3414  XC270, XC300, B04  10WG, TM16  DL Ext. IR

Parameter/Equipment	Range	CMC <sup>2,7</sup> (±)	Comments <sup>6</sup>
Irradiance <sup>3,4</sup> (with Xenocal) – (cont)  Ci Instruments 340 nm 420 nm (300-400) nm	Up to 1.4 W·m <sup>-2</sup> ·nm <sup>-1</sup> Up to 3.5 W·m <sup>-2</sup> ·nm <sup>-1</sup> Up to 150 W·m <sup>-2</sup>	8.9 % 8.0 % 11 %	Boro S/Boro-S
Irradiance (with Reference Lamp) –  Ci Instruments 340 nm 420 nm (300-400) nm	Up to 3.3 W·m <sup>-2</sup> ·nm <sup>-1</sup> Up to 7.8 W·m <sup>-2</sup> ·nm <sup>-1</sup> Up to 400 W·m <sup>-2</sup>	5.8 % 5.5 % 5.6 %	Hioki PW3335 wattmeter w/Hioki 9660 current probe Boro S/Boro-S
Irradiance (with Reference Radiometer) –  Fluorescent Instruments (310, 340, 351) nm	Up to 3.0 W·m <sup>-2</sup> ·nm <sup>-1</sup>  Up to 3.0 W·m <sup>-2</sup> ·nm <sup>-1</sup>	7.6 %  13 %	UV Test  UV2000



Parameter/Equipment	Range	CMC <sup>2,7</sup> (±)	Comments <sup>6</sup>
Irradiance (Calibration Standards) –			
Customer Xenon Ref. Lamps for Ci Instruments Operating at –			
Lamp AC Power up to 6 kW			
340 nm	Up to 3.3 W·m <sup>-2</sup> ·nm <sup>-1</sup>	5.5 %	SP320 Instrument Systems Spectroradiometer, Hioki PW3335 wattmeter w/Hioki 9660 current probe & 2 working standards Boro S/Boro-S
420 nm	Up to 7.8 W·m <sup>-2</sup> ·nm <sup>-1</sup>	4.4 %	
(300 to 400) nm	Up to 400 W·m <sup>-2</sup>	4.9 %	
Lamp AC Power up to 12 kW			
340 nm	Up to 3.3 W·m <sup>-2</sup> ·nm <sup>-1</sup>	5.8 %	
420 nm	Up to 7.8 W·m <sup>-2</sup> ·nm <sup>-1</sup>	5.5 %	
(300 to 400) nm	Up to 400 W·m <sup>-2</sup>	5.6 %	
Customer Ref. UV Radiometers for Fluorescent Instruments –			
UV Test Fluorescent Instrument			
310/340/351 nm	Up to 3.0 W·m <sup>-2</sup> ·nm <sup>-1</sup>	7.6 %	SP320 Instrument systems, spectroradiometer and 3 working standards
UV2000 Fluorescent Instrument			
310/340/351 nm	Up to 3.0 W·m <sup>-2</sup> ·nm <sup>-1</sup>	13 %	

<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, Xenotest, and SUNTEST instruments.

<sup>5</sup> AC Power 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”.

A handwritten signature in black ink, appearing to be 'L. J. ...'.



## *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 *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 9<sup>th</sup> day of May 2018.

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

President and CEO  
For the Accreditation Council  
Certificate Number 2101.01  
Valid to March 31, 2020

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

## **European Technical Service Team Now Able to Provide ISO17025 Accredited Calibration Services**

Atlas is pleased to announce that our European Technical Service team is now able to provide ISO17025 accredited calibration services

The European Technical Service team's ISO17025 accreditation is maintained under the umbrella of the Atlas Corporate site in Mount Prospect, Illinois, USA. according to A2LA certificate #2101.01. This certificate can be found on the A2LA website at [A2LA.org](http://A2LA.org).

A2LA is an ISO17025 accreditation body with multinational acceptance as an ilac-MRA signatory. A2LA requires rigorous annual audits of Atlas' calibration processes, the Global Atlas quality management system, as well as additional annual technical proficiency tests.

Atlas Global Technical Service team members, residing in the following countries, fall under the Atlas ISO17025 accreditation umbrella: Germany, France, Switzerland, Austria, Netherlands, United Kingdom, India, and the United States. It is important to note that Global Technical Service team members can perform accredited calibrations outside of their countries of residence.