



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ATLAS MATERIAL TESTING TECHNOLOGY GMBH  
Vogelsbergstraße 22  
Linsengericht Germany 63589  
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CALIBRATION

Valid To: July 31, 2019

Certificate Number: 2101.02

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>2,3</sup> (±)	Comments <sup>4</sup>
Irradiance – Xenon  Customer Xenon Ref. Lamps for Ci Instruments operating at:  Lamp AC Power up to 6 kW  340 nm 420 nm (300 to 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>	       5.5 % 4.4 % 4.9 %	       SP320 Instrument Systems Spectroradiometer, Hioki PW3335 wattmeter w/Hioki 9660 current probe & 2 Working Standards Boro S/Boro-S

<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 Uncertainty 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 Uncertainty, all percentages are defined as "percent of reading".

<sup>4</sup> The Spectro 320D Spectroradiometer and NIST 1000-watt FEL Spectral Irradiance Standard reside at Atlas MTT in Mt. Prospect, IL – the Laboratory’s parent company.

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## *Accredited Laboratory*

A2LA has accredited

# **ATLAS MATERIAL TESTING TECHNOLOGY GMBH**

*Linsengericht, GERMANY*

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 8 January 2009*).



Presented this 18<sup>th</sup> day of July 2017.

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President and CEO  
For the Accreditation Council  
Certificate Number 2101.02  
Valid to July 31, 2019  
Revised June 18, 2018

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