



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Q-LAB CHINA  
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 Shanghai, CHINA 200436  
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CALIBRATION

Valid To: January 31, 2018

Certificate Number: 2383.02

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
Irradiance and Radiometers	(250 to 800) nm	6.5 %	For UV and visible light sensors used in weathering devices such as xenon arc and fluorescent UV
Control Parameters in Weathering Instruments – Temperature	(0 to 100) °C	1.7 °C	As used in artificial weathering instruments Digital thermometer

<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, the value is defined as the percentage of reading.



## Accredited Laboratory

A2LA has accredited

**Q-LAB CHINA**

*Shanghai, CHINA*

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 4<sup>th</sup> day of November, 2015.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO  
For the Accreditation Council  
Certificate Number 2383.02  
Valid to January 31, 2018

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