

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

INTERTEK TESTING SERVICES LTD., SHANGHAI JINQIAO BRANCH 上海天祥质量技术服务有限公司 金桥分公司 Building T52-8, No. 1201 Gui Qiao Road Pudong District, Shanghai, 201206 People's Republic of China Ming Sheng Phone: (86) 21 50319089

CALIBRATION

Valid To: December 31, 2022

Certificate Number: 0078.13

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations ^{1,5}:

I. Mechanical

| Parameter/Equipment | Range | CMC ^{2,4} (±) | Comments |
|--|--|-------------------------------|--|
| Salt Spray Deposition Rate ³ | (1.0 to 2.0) mL/h [80cm ²] | 0.3 mL/h [80cm ²] | Measuring cylinder stopwatch JJF (辽 [Liao]) 75 |

II. Thermodynamic

| Parameter/Equipment | Range | CMC ^{2,4} (±) | Comments |
|---|-------------------------------------|------------------------|--|
| Control Parameters in Weathering Instruments – Temperature ³ | (-60 to 150) °C (>150 to 180) °C | 0.33 °C 0.40 °C | Multi-point temperature and humidity tester JJF 1101 |
| Control Parameters in Weathering Instruments – Relative Humidity ³ | (10 to 95) % RH | 1.4 % RH | Multi-point temperature and humidity tester JJF 1101 |

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(A2LA Cert No. 0078.13) 12/28/2020

¹ This laboratory offers commercial calibration service.

- ² 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.
- ³ 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 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.

⁴ In the statement of CMC, percentages are percentage of reading, unless otherwise indicated.

⁵ This scope meets A2LA's *P112 Flexible Scope Policy*.

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Accredited Laboratory

A2LA has accredited

INTERTEK TESTING SERVICES LTD., SHANGHAI JINQIAO BRANCH

上海天祥质量技术服务有限公司 金桥分公司

Pudong District, Shanghai, People's Republic of China

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 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 28th day of December 2020.

Vice President, Accreditation Services For the Accreditation Council Certificate Number 0078.13 Valid to December 31, 2022

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