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|  | ACCREDITATION DOCUMENT | F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 332 |
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Accreditation No: LAB 332

Awarded to

**Asian Calibration Services (Pvt.) Ltd,
4th Floor, C-3 Jhelum Block, Green Forts-II,
Lahore-Pakistan.**

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **12-05-2025** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

The accreditation requires regular surveillance, and is valid until **11-05-2028**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

PAKISTAN NATIONAL ACCREDITATION COUNCIL

12-05-2025
Date

SD
Director General

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|  <p>Pakistan National Accreditation Council</p> | ACCREDITATION DOCUMENT | F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 332 |
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Calibration Laboratory.

Accreditation Scope of Asian Calibration Services (Pvt.) Ltd, 4th Floor, C-3
Jhelum Block Green Forts-II, Lahore

Permanent laboratory premises ☒

| Field of measurement: (Permanente-site) | | | |
|---|--------------------|--------------------------------|--|
| Measured quantity | Range | *Expanded Uncertainty (±) | Technique, Reference Standard, Equipment |
| Mass (500g - 10Kg) F2 Class and below class weights | 500 g | 6.00 mg | Reference Standard: Set of Masses: F1 Class (500g to 10000g) Unit Under Test: Set of Masses: F2 Class & Lower Classes Precision Balance Top loading balance. Method Used: ACSL/MAS/002 |
| | 1000 g | 6.00 mg | |
| | 2 kg | 0.07 g | |
| | 5 kg | 0.08 g | |
| | 10 kg | 0.08 g | |
| General Dimension Measurement (Length, Diameter, Thickness, Depth) | 1.00mm – 10.00 mm | 0.0060 mm – 0.0062 mm | Reference Standard: Gauge Block Set and Vernier Caliper Unit Under Test: Digital Vernier / Dial Caliper using Gauge Block Method Used: ACSL/VC/004 |
| | 10.00mm – 50.00 mm | 0.0062 mm – 0.0140 mm | |
| | 50.00mm – 150 mm | 0.0140 mm – 0.0380 mm | |
| Time Interval Measure | 60 Sec - 3600 Sec | 0.43 Sec - 0.70 Sec | Reference Standard: Catiga Digital Stop Watch Unit Under Test: Q&Q Digital Stop Watch Method Used: ACSL/TIM/001 |
| Dial Temperature Gauges, Digital Temperature Indicator with sensor and K- | 50 °C – 100 °C | 0.15 °C – 0.20 °C | Reference Standard: Dry Block and K-Type Thermocouple Unit Under Test: |
| | 100 °C – 200 °C | 0.20 °C – 0.25 °C | |

12-05-2025
Date

Sd
Director

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| Type Thermocouple (Temperature Measure) | 200 °C – 250 °C | 0.25 °C – 0.30 °C | Dial Temperature Gauges, Digital Temperature Indicator with sensor and K-Type Thermocouple Method Used: ACSL/TEM/003 |
| Field of measurement: (On-Site) | | | |
| Measured quantity | Range | *Expanded Uncertainty (±) | Technique, Reference Standard, Equipment |
| Balance and weighing Machine | 500 g | 8.00 mg | Reference Standard: Set of Masses: F1 Class (500g to 10000g) Unit Under Test: Precision Balance Top loading Balance Platform balance. Method Used: ACSL/BWM/005 |
| | 1000 g | 11.00 mg | |
| | 2 kg | 0.07 g | |
| | 5 kg | 0.13 g | |
| | 10 Kg | 0.18 g | |

*** Expanded Uncertainty:**

- Expanded Uncertainty is the measurement uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of $k = 2$. This measurement uncertainty is a value for which the laboratory has been accredited using the procedure that was the subject of assessment. In certificates issued under its accreditation scope an accredited laboratory is not permitted to quote an uncertainty that is smaller than the published uncertainty for respective ranges as given above.

12-05-2025
Date

Sd
Director