ULR Number	CC417826000016373F	**Certificate Number**	RPL-2026-1266-C-016730
Date of Calibration	28.10.2026	**Recommended Due date**	27.10.2027

Mechanical - Dimension - Basic Measuring Instrument, Gauge etc.

Calibration Certificate

For

Limit Gauge - Jominy Hardness Calibration Master

Reva Phoenix Labs & Consultants Pvt. Ltd. (Accredited Laboratory) certifies that the equipment has been calibrated in accordance with the Quality System Requirements of ISO 9001:2015 and ISO/IEC 17025: 2017 & applicable Laboratory procedures. The measurement expanded uncertainty is expressed at 95% confidence level with a coverage factor equal to two (k=2). Laboratory measurement standards are traceable through unbroken chain of comparison to National and / or to International Standards.

Calibration of all equipment used are traceable to National / International Standards and their calibration are current. This calibration report contains the results of calibration and / or other relevant data about the Calibration. This report applies only to the item identified and shall not be reproduced except in full, without specific written approval from the Laboratory. No statement of compliance with specifications is made or implied on this report.

For further details, terms and conditions, please refer to the Mandatory Annexure to Calibration Certificate, which is an integral part of this Certificate.

Lab QR Code

Certificate QR Code

Calibration Procedure	As Received Conditions	As Shipped Condition
RPL-L03-DI-025-DIM-086	Satisfactory	Cleaned & Calibrated

Calibrated By			Reviewed & Approved By | Authorized Signatory			
Work ID	RPL-TM-01 ☑	RPL-TM-02 ☐	**Work ID**	Dr. Manikandan Venkatesan ☐	Jayasree Manikandan ☑	m.J

Reva Phoenix Complex, No. 14, 4th Street, Raja Rajeswari Nagar, Madipakkam, Chennai – 600 091, Tamilnadu, India.
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ULR Number	CC417826000016373F	**Certificate Number**	RPL-2026-1266-C-016730
Date of Calibration	28.10.2026	**Recommended Due date**	27.10.2027

Date of Performance of Calibration	28.10.2026	**Date of Issue**	28.10.2026
		Recommended Due Date	27.10.2027

Name & Contact information of Customer:	Micro Lab No.45/A, 4th Phase Sidco Industrial Estatem Near Maharishi School, Hosur - 635 126.	**Date of Receipt**	27.10.2026
		CSRF Number	RPL-CSRF-2026-1266
		Location-Calibrated at	In House

Description of the Unit Under Calibration (UUC)

Description	Limit Gauge - Jominy Hardness Calibration Master	**Model**	--
Range	0 - 90 mm	**Serial No**	--
Least Count	0.5 mm	**Identification No**	MTPL/MIC/JHCM
Make	--	**Accuracy**	--
Location	--	**Operating Range**	3 - 90 mm

Condition of unit under calibration on receipt	Satisfactory
Method used - Reva Phoenix Document Number	RPL-L03-DI-025-DIM-086
Reference Standard (International / National)	--

Environmental Details	**Temperature**	**Start**	20.4 °C	**End**	20.6 °C	**Difference**	0.2 °C
	Relative Humidity		51.5 %RH		51.7 %RH		0.2 %RH

Details of Traceability - Master Equipment / Standard used for Calibration

Sl.No.	Description Master Equipment / Standard used for Calibration	Metrological Traceability to National / International Standards
1	Profile Projector	RPL-2026-0244-C-004575 Valid till 12.03.2028

Calibrated By			**Reviewed & Approved By | Authorized Signatory**			
Work ID	RPL-TM-01 ☑	RPL-TM-02 ☐	**Work ID**	Dr. Manikandan Venkatesan ☐	Jayasree Manikandan ☑	m.ll

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Discipline : Mechanical - Dimension - Basic Measuring Instrument, Gauge etc.

Calibration Results

Sr.No.	Description	Nominal Value	m1	m2	m3	Observed Average
	mm	mm	mm	mm	mm	mm
1	Liner Parameter	3.00	3.000	3.000	3.000	0.000
2	Liner Parameter	5.00	5.008	5.008	5.008	0.008
3	Liner Parameter	10.00	10.037	10.037	10.037	0.037
4	Liner Parameter	15.00	15.070	15.070	15.070	0.070
5	Liner Parameter	20.00	20.094	20.094	20.094	0.094
6	Liner Parameter	25.00	25.127	25.127	25.127	0.127
7	Liner Parameter	30.00	30.131	30.131	30.131	0.131
8	Liner Parameter	35.00	35.151	35.151	35.151	0.151
9	Liner Parameter	40.00	40.155	40.155	40.155	0.155
10	Liner Parameter	45.00	45.158	45.158	45.158	0.158
11	Liner Parameter	50.00	50.180	50.180	50.180	0.180
12	Liner Parameter	55.00	55.198	55.198	55.198	0.198
13	Liner Parameter	60.00	60.202	60.202	60.202	0.202
14	Liner Parameter	65.00	65.213	65.213	65.213	0.213
15	Liner Parameter	70.00	70.228	70.228	70.228	0.228
16	Liner Parameter	75.00	75.246	75.246	75.246	0.246
17	Liner Parameter	80.00	80.264	80.264	80.264	0.264
18	Liner Parameter	85.00	85.269	85.269	85.269	0.269
19	Liner Parameter	90.00	90.276	90.276	90.276	0.276

1	Uncertainty of Measurement (at 95.45% confidence level with coverage factor k=2) ± µm :	4.07

Remarks:

Note:

01. 'UOM' Indicates of Unit of Measurement

02. The readings provided are in 'as-found' condition. No adjustments are made.

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Digital Signature of Laboratory:

REVA PHOENIX LABS AND CONSULTANTS
PRIVATE LIMITED
Date: 28/10/2026 17:43:15 +05:30
Reason: Calibration Certificate
Location: Chennai

REVA PHOENIX
Labs & Consultants Pvt. Ltd.

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Mandatory Annexure to Calibration Certificate

1. Calibration Certificate includes all the information as agreed with Customer and as necessary for the interpretation of the results and all information required by the method used, including, additions to deviations, or exclusions.
2. All issued reports are retained as technical records by our Laboratory as per ISO/IEC 17025: 2017 requirements.
3. Metrological traceability to National | International Standards as per ISO/IEC 17025: 2017 requirements is and Calibration reports do not contain any recommendation on Calibration interval, except where agreed.
4. Laboratory is responsible for all the information provided in the report, except when information is provided by the customer. Data provided, where applicable, is clearly identified, as they can affect the validity of results.
5. Measurement Uncertainty reported is at approximately 95% confidence level with k=2; Unit of measurement result and measurement uncertainty are same as that of range selected, unless otherwise indicated in certificate.
6. Calibration Certificate is issued in accordance with the terms and conditions laid down by NABL which has assessed our measurement capability and its traceability to recognized National | International standards.
7. Metrological traceability of Masters to National / International Standard is established by unbroken chain of calibration.
8. Results reported in Calibration Certificate are valid at the time of and stated conditions of measurement of UUC.
9. Error(s), if any, in the Calibration Certificate, shall be brought to the notice of Laboratory within 30 days from the date of issue. Amendments to Certificate will not be entertained thereafter.
10. Calibration Certificate is issued based on Customer requirements for Scientific and Industrial purposes and not meant for other purpose and shall not be produced in the court of law.
11. Legal Aspects: Calibration of Weights, Density of solids, Load cell, UTM, Pressure Dead Weight Tester, Pressure Gauge. Liquid-in-glass Thermometer done by our Laboratory is meant for scientific and industrial purpose only. However, if used for commercial trading, additional recognition/ approval shall be complied as required by Department of Legal Metrology, Regulatory body, etc.
12. Laboratory is not liable for any change in the reported data and performance specification on account of malfunctioning of Standards | Equipment covered by this Certificate due to damage caused to it after the issue of this Certificate.
13. Any corrections | changes | erasing | modifications | unauthorized Seal, Stamp or Signature on this Calibration Certificate invalidate this Certificate.
14. Unless otherwise specified, the measurement data reported is considered 'As found data - without any adjustments.'
15. Decision Rule: No conformity statement (Pass | Fail | Accepted | Rejected) is provided, unless otherwise indicated on report.
16. NABL Guideline 133 is adopted for the use of NABL Symbol.
17. This report pertains only to the sample | equipment submitted and shall not be reproduced in part or full, without explicit written permission from our Laboratory.
18. Only Digital calibration Certificate in soft, valid and prepared as per ISO/IEC 17025: 2017 requirement is issued.

Scope of Accreditation:

Please contact our Laboratory to get a copy of our ISO/IEC 17025: 2017 Accredited Certificate and Scope of Calibration. You may also download the same directly from NABL Website.

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Our Calibration Laboratories:

- Acceleration, Speed & Vibration, Acoustics – Tachometer(Upto 1,00,000 rpm) - Contact & Non-Contact Mode, Centrifuge, RPM - Stirrer, Source, Stroboscope, Vibration Machine, Vibration Shaker, Portable Vibration Calibrator, Accelerometer, Vibration Sensor, Sound Level Meter(94dB & 114dB).
- Mechanical - Density & Viscosity - Alcoholmeter, Baume Hydrometer, Brix Hydrometer, Density of Liquid, Density of Solid, ISO Cup, Ford Flow Cup, Zahn Cup, Sheen Cup, Dip Cup, B1 to B5 Cup, Lactometer, Sikes Hydrometer, Specific Gravity Hydrometer, Krebs Viscometer, Brook Field Viscometer.
- Mechanical - Dimension - Basic Measuring Instruments, Gauges - CNC Lathe Machine, CNC Turning Center, NC Machine, VMC Machine, HMC Machine, 5 Axis Rotary Machine, Calipers (Upto 2000mm), Cross Hatch Cutter, Hegmann Gauge, Bridge Cam Gauge, Cube Mould (Upto 300mm), Chamfer Gauge, Joint Finger Probe, DFT Meter, Crimping Tool, Clinometer, Proximity Sensor (Upto 1m), Gear Tooth Vernier, Welding Gauge, Sphere (Upto Dia: 60mm), Profile Gauge, Micro Dial Comparator, Templates, Test Sieves (Upto 125mm), V-Anvil Micrometer (Upto 100mm).
- Mechanical - Dimension - Precision Instruments - CMM, Glass Scale(Upto 1000 mm), Ocular Graticule (Upto 360°), Comparator Stand, FCDM, Profile Projector, Electronic Level (±2mm/m), Gauge Blocks, Height Micrometer, Universal Length Measuring Machine (Upto 300mm), Microscopes (Upto 100X), Master Cylinders, Optical Flat, Sine Bar, Stand Alone Surface Roughness Tester, Roughness Specimen, Electronic Probe with DRO, Stage Micrometer, Mandrels, Long Gauge Blocks (Upto 1000mm), Caliper Checker (Upto 1000mm), Tape & Scale Calibrator (Upto 1000mm), and Depth Micro checker.
- Electro Technical - Time & Frequency, Simulation, Electrical Equipment, AC & DC - Power Supply, LCR Meter, Multi Product Calibrator, Ammeter, Voltmeter, Capacitance Box, Inductance Box, Reference Magnet, Gauss Meter, Multimeter,Conductivity Meter, Oscilloscope, pH Meter,Timer, Oxidation reduction meter.
- Fluid Flow, Air & Water - Flow Measuring Devices - Analog & Digital Flow Meter, Gas Flow Meter, Mass Flow Controller, Orifice Flow Meter, Electro Magnetic Flow Meter, Dry Gas Meter, Flow Calibrator, Anemometer (Upto 23m/s), Pitot Tube, Velocity Meter, Rotameter, Ultrasonic Flow Calibrator.
- Mechanical - Force, Durometer, UTM, Mobile Force Measuring System - Force Gauge, Tension Gauge, Push Pull Gauge (Upto 2000N), Rubber Hardness Tester, Shore Hardness Tester (Upto 100 Shore), Hardness Tester, Universal Testing Machine (Upto 1000 kN), Compression Testing Machine, Tension Testing Machine, Speed of UTM, Displacement in UTM (Upto 1000 mm).
- Mechanical - Hardness Testing Machines - Rockwell, Vickers, Micro Vickers & Brinell Hardness Machine, Hardness Tester, Dynamic Hardness Tester, Leebs Hardness Tester (763 HLD).
- Mechanical - Impact Testing Machine - Charpy Impact Testing Machine, Izod Impact Testing Machine (Upto 300J).
- Mechanical - Mass & Volume, Weighing Scale & Balance, Weights - E1, E2, F1, F2, M1, M1-2, M2 Class of Weights, Weighing Balance – 2000 kg, Spring Balance, Burette, Separating Funnel, Pycnometer, Density Bottle, Graduated Jar, Micropipette, Piston Pipette, Graduated Volume Pipette, Dilution Pipette, Volumetric Flask, Chatelier Flask, Conical Flask.
- Optical - Lux Meter (Upto 2,00,000 Lx), Illuminance Tester, Optical Photometer, Lamp - Tungsten, LED, Incandescent & Halogen, Luminous Intensity of Light Source, UV Meter, UVA, UVB, UVC, Irradiance Meter, Gloss Meter, Gloss Tiles.
- Mechanical - Pressure Indicating Devices – Dead Weight Tester – Hydraulic & Pneumatic, Barometer, Manometer, Pressure Gauge, Pressure - Chart Recorder, Transducer, Module, Transmitter, Recorder, Calibrator, Switch, Logger, Vacuum - Gauge, Calibrator, Transmitter, Module, Logger.
- Thermal - Temperature, Specific Heat & Humidity - Thermal Imager, IR Thermometer, Furnace Calibration, Oven Calibration, Environmental Chamber, Climatic Chamber, Incubator, Auto Clave, Temperature Calibrator, Black Body Source, Cold Room.
- Torque - Generating | Measuring Devices - Torque Wrench (Upto 3000 Nm), Spanner, Screw Driver, Gauge, Torque Transducer, Sensor (Upto 2000 Nm), Meter, Hydraulic Torque Wrench, Electric Torque Wrench, Pneumatic Torque Wrench, Impact Torque Tool, Pneumatic, Electric, Rotary Torque Tool, DC Nut Runner (Upto 2000 Nm).

Calibrated By			**Reviewed & Approved By | Authorized Signatory**			
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For any further information, assistance or feedback; please contact:

Director | Managing Director

Reva Phoenix Labs & Consultants Private Limited

Reva Phoenix Complex, No.14, 4th Street, Rajarajeswari Nagar,

Madipakkam, Chennai 600 091, Tamil Nadu, India

Enquiry : +91 99406 72352 | Accounts: +91 95000 32931 | Reception: +91 98402 96996 | Management: +91 99405 64261

E mail: enquiry@revaphoenix.com | Website: www.revacalibration.com

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- End of Calibration Certificate -