



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

AIMIL CALIBRATION LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

NAIMEX HOUSE, A-8, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, SOUTH EAST
DELHI, DELHI, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2441

Issue Date: 28/02/2025

Valid Until: 27/02/2029

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: AIMIL LIMITED

Signed for and on behalf of NABL



Anita Rani
Director

N. Venkateswaran
Chief Executive Officer



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SCOPE OF ACCREDITATION

Laboratory Name :

AIMIL CALIBRATION LABORATORY, NAIMEX HOUSE, A-8, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, SOUTH EAST DELHI, DELHI, INDIA

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Validity

28/02/2025 to 27/02/2029

Last Amended on -

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-ACCELERATION AND SPEED	RPM of Core Drilling Machine, Accelerated Polishing Machine, Lab Ball Mill (Non Contact type)	Using Digital Tachometer by Comparison Method	48 RPM to 2100 RPM	2.5 %
2	MECHANICAL-ACCELERATION AND SPEED	RPM of Jolting Apparatus, Concrete Mixer, Flow Table, Slake Durability Apparatus (Non Contact Type)	Using Digital Tachometer by Comparison Method	20 RPM to 500 RPM	3 %
3	MECHANICAL-ACCELERATION AND SPEED	RPM of Vibrator, Centrifuge Extractor, Los Angeles Abrasion Testing Machine, Vibrating Machine, Mortar Mixer, Tile Abrasion Testing Machine, Visco 2000, Liquid Limit Device (Non Contact Type)	Using Digital Tachometer by Comparison Method	10 RPM to 20000 RPM	2.5 %
4	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact type)	Using Tachometer and RPM Source by Comparison Method	20 RPM to 7000 RPM	1.6 %
5	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non Contact Type)	Using Tachometer and RPM Source by Comparison Method	10 RPM to 99000 RPM	1.6 %



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6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Aggregate Impact Value Apparatus, Vicat Apparatus, Le Chatelier Mould, Cylindrical Mould, Flakiness Gauge, Length / Elongation Gauge, Slump Cone (LxWxH) (IDxOD)	Using Digital Caliper by Comparison Method	0 to 300 mm	20 µm
7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Beam Mould (Length, Width, Height)	Using Digital Caliper by Comparison Method	0 to 700 mm	25 µm
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Industrial Gauge and Template (Core Cutter, Compaction Factor Apparatus, Trowel, Cylindrical Metal Measure) (Length, Width, Height, OD, ID, Thickness)	Using Digital Caliper by Comparison Method	0 to 1000 mm	25 µm
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Mould, Cube Mould, Rectangular Mould, Beam Mould, Cylindrical Mould, Flakiness Gauge, Length / Elongation Gauge (LxWxH) (IDxOD)	Using Digital Profile Projector by Comparison Method	0 to 150 mm	13 µm



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10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Mould, Cube Mould, Rectangular Mould, Beam Mould, Proctor Mould, Compaction Mould, Marshall Mould, CBR Mould, Prism Mould (LxWxH) (IDxOD)	Using Digital Caliper by Comparison Method	0 to 300 mm	20 µm
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge and LVDT (L.C.: 0.001 mm and Coarser)	Using Dial Calibration Tester by Comparison Method	0 to 25 mm	3 µm
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve	Using Digital Profile Projector by Comparison Method	38 µm to 4.75 mm	5 µm
13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve	Using Digital Caliper by Comparison Method	4 mm to 125 mm	25 µm
14	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure: (Analog / Digital) Pressure Gauge, Pressure Transducer with Indicator	Using Digital Pressure Gauge and Hydraulic Pressure Comparator by Comparison Method	0 to 20 bar	0.3 bar
15	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure: (Analog / Digital) Pressure Gauge, Pressure Transducer with Indicator	Using Digital Pressure Gauge and Hydraulic Pressure Comparator by Comparison Method	0 to 700 bar	0.4 bar



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16	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Force Static Uniaxial Testing Machine (CTM, UTM, Flexural Testing Machine, Load Testing Machine) - Compression Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	0.2 kN to 1000 kN	0.35 %
17	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Force Static Uniaxial Testing Machine (UTM, CTM, CBR, Marshall, MOR, UCS, Load Testing Machine) - Compression Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	0.2 kN to 50 kN	0.35 %
18	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Tensile Testing Machine - Tension Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	1 kN to 10 kN	0.35 %
19	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Static Testing Machine (UTM, CTM) - Compression Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	1000 kN to 3000 kN	0.45 %
20	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Static Testing Machine (UTM, CTM) - Compression Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	500 kN to 5000 kN	0.5 %
21	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class I and Coarser (Readability: 0.001 g and Coarser)	Using E2 Class Weights as per OIML R 76-1	0 to 300 g	0.006 g



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22	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class II and Coarser (Readability: 0.01 g and Coarser)	Using E2, F1 Class Weights as per OIML R 76-1	0 to 3000 g	0.06 g
23	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class II and Coarser (Readability: 0.5 g and Coarser)	Using E2, F1 Class Weights as per OIML R 76-1	0 to 15 kg	0.8 g
24	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class III and Coarser (Readability: 2 g and Coarser)	Using E2, F1 Class Weights as per OIML R 76-1	0 to 20 kg	8 g
25	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class IIII (Readability: 5 g and Coarser)	Using E2, F1 Class Weights as per OIML R 76-1	0 to 50 kg	8 g
26	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Indicator with Sensor of Humidity Chamber, Environmental Test Chamber @ 25 °C (Single Position Calibration)	Using Digital RH and Temperature Indicator with Sensor by Comparison Method	50 %RH to 95 %RH	1.9 %RH
27	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature Humidity Indicator with Sensor of Environmental Test Chamber, Humidity Chamber @ 50 %RH (Single Position Calibration)	Using Digital RH and Temperature Indicator with Sensor by Comparison Method	10 °C to 50 °C	0.6 °C



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28	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Muffle Furnace (Single Position Calibration)	Using S Type Thermocouple with Digital Thermometer by Comparison Method	300 °C to 1200 °C	2.65 °C
29	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Oven, Curing Tank, Autoclave (Non Medical Purpose Only), Viscometer (Temperature), Ring and Ball Apparatus (Temperature), Ductility Test Apparatus, Water bath, Humidity Chamber, Environmental Test Chamber (Single Position Calibration)	Using RTD (PT-100) with Digital Thermometer by Comparison Method	10 °C to 300 °C	0.6 °C



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Site Facility					
1	MECHANICAL-ACCELERATION AND SPEED	RPM of Core Drilling Machine, Accelerated Polishing Machine, Lab Ball Mill (Non Contact type)	Using Digital Tachometer by Comparison Method	48 RPM to 2100 RPM	2.5 %
2	MECHANICAL-ACCELERATION AND SPEED	RPM of Jolting Apparatus, Concrete Mixer, Flow Table, Slake Durability Apparatus (Non Contact Type)	Using Digital Tachometer by Comparison Method	20 RPM to 500 RPM	3 %
3	MECHANICAL-ACCELERATION AND SPEED	RPM of Vibrator, Centrifuge Extractor, Los Angeles Abrasion Testing Machine, Vibrating Machine, Mortar Mixer, Tile Abrasion Testing Machine, Visco 2000, Liquid Limit Device (Non Contact Type)	Using Digital Tachometer by Comparison Method	10 RPM to 20000 RPM	2.5 %
4	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Force Static Uniaxial Testing Machine (CTM, UTM, Flexural Testing Machine, Load Testing Machine) - Compression Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	0.2 kN to 1000 kN	0.35 %
5	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Force Static Uniaxial Testing Machine (UTM, CTM, CBR, Marshall, MOR, UCS, Load Testing Machine) - Compression Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	0.2 kN to 50 kN	0.35 %



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6	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Tensile Testing Machine - Tension Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	1 kN to 10 kN	0.35 %
7	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Static Testing Machine (UTM, CTM) - Compression Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	1000 kN to 3000 kN	0.45 %
8	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Static Testing Machine (UTM, CTM) - Compression Mode	Using Force Proving Instrument (Class 1) as per IS 1828 (Part-1) : 2022	500 kN to 5000 kN	0.5 %
9	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class I and Coarser (Readability: 0.001 g and Coarser)	Using E2 Class Weights as per OIML R 76-1	0 to 300 g	0.006 g
10	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class II and Coarser (Readability: 0.01 g and Coarser)	Using E2, F1 Class Weights as per OIML R 76-1	0 to 3000 g	0.06 g
11	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class II and Coarser (Readability: 0.5 g and Coarser)	Using E2, F1 Class Weights as per OIML R 76-1	0 to 15 kg	0.8 g



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12	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class III and Coarser (Readability: 2 g and Coarser)	Using E2, F1 Class Weights as per OIML R 76-1	0 to 20 kg	8 g
13	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance / Weighing Machine - Accuracy Class III (Readability: 5 g and Coarser)	Using E2, F1 Class Weights as per OIML R 76-1	0 to 50 kg	8 g
14	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Indicator with Sensor of Humidity Chamber, Environmental Test Chamber @ 25 °C (Single Position Calibration)	Using Digital RH and Temperature Indicator with Sensor by Comparison Method	50 %RH to 95 %RH	1.9 %RH
15	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature Humidity Indicator with Sensor of Environmental Test Chamber, Humidity Chamber @ 50 %RH (Single Position Calibration)	Using Digital RH and Temperature Indicator with Sensor by Comparison Method	10 °C to 50 °C	0.6 °C
16	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Muffle Furnace (Single Position Calibration)	Using S Type Thermocouple with Digital Thermometer by Comparison Method	300 °C to 1200 °C	2.65 °C



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17	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Oven, Curing Tank, Autoclave (Non Medical Purpose Only), Viscometer (Temperature), Ring and Ball Apparatus (Temperature), Ductility Test Apparatus, Water bath, Humidity Chamber, Environmental Test Chamber (Single Position Calibration)	Using RTD (PT-100) with Digital Thermometer by Comparison Method	10 °C to 300 °C	0.6 °C

* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.