National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

CALI-LABS PRIVATE LIMITED

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

KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA

in the field of

CALIBRATION

Certificate Number: CC-3997

Issue Date: 26/07/2024 **Valid Until:** 25/07/2026

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 thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: CALI-LABS PRIVATE LIMITED

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	1 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 µA to 100 mA	2 % to 0.6 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter & Multifunction Calibrator by Comparison Method	100 mA to 10 A	0.6 % to 0.7 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Direct Method	1 kV to 10 kV	5 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	1 mV to 100 mV	1.5 % to 0.5 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	2 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 mV to 1000 V	0.5 % to 0.11 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1Ø, 3 Wire, AC Power @ (50 Hz, 0.2 Lead / Lag to UPF, 1 V to 600 V, 0.5 A to 10 A, Active cos Ø & Reactive sin Ø)	Using Multifunction Calibrator by Direct Method	0.5 W to 6 kW	0.5 % to 2 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	1 A to 10 A	0.18 % to 0.406 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	100 µA to 1 A	0.45 % to 0.18 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	1 mV to 10 V	2.642 % to 0.602 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	3 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	10 V to 1000 V	0.602 % to 0.211 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multifunction Calibrator by Direct Method	0.5 nF to 100 µF	3 % to 0.742 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multifunction Calibrator by Direct Method	100 µF to 300 µF	0.742 % to 1.2 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Phase Angle	Using Multifunction Calibrator by Comparison Method	0 ° to 90 °	1.02 °
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor (Lag & Lead)	Using Multifunction Calibrator by Direct Method	0.2 PF to UPF	1.515 % to 0.3 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	0.5 nF to 100 µF	4.844 % to 2.46 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	4 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 µF to 300 µF	2.46 % to 1.84 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	10 µA to 10 A	0.7 % to 0.208 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Direct Method	1 kV to 10 kV	4 % to 2.5 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	0.1 mV to 100 mV	1 % to 0.06 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	10 mV to 1 V	0.1 % to 0.015 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 mV to 1000 V	0.06 % to 0.04 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	5 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 kohm to 100 Mohm	0.2 % to 2.9 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 Mohm to 1 Gohm	2.9 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter and Multifunction Calibrator by V / I Method	0.02 mohm to 100 ohm	1.1 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	10 ohm to 100 kohm	0.7 % to 0.2 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	0.1 mV to 10 mV	3.415 % to 0.1 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	10 µA to 100 µA	0.6 % to 0.073 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	6 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	100 µA to 100 mA	0.073 % to 0.02 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	100 mA to 10 A	0.02 % to 0.17 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 V to 1000 V	0.059 % to 0.01 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	10 mV to 1 V	0.1 % to 0.059 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multifunction Calibrator by Direct Method	10 Mohm to 100 Mohm	0.08 % to 0.6 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multifunction Calibrator by Direct Method	100 kohm to 10 Mohm	0.02 % to 0.08 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	7 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multifunction Calibrator by Direct Method	100 Mohm to 300 Mohm	0.6 % to 1 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire @ 5 kV	Using Mega Ohm Box by Direct Method	300 Mohm to 100 Gohm	3.4 % to 3.45 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	0.02 mohm to 10 ohm	1.05 % to 1 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Multifunction Calibrator by Direct Method	10 ohm to 100 kohm	0.2 % to 0.02 %
38	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH Meter	Using Multifunction Calibrator by Simulation Method	0 pH {(-) 421 mV) to 14 pH (421 mV)	1 % to 1.2 %
39	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using Multifunction Calibrator by Direct Method	600 °C to 1750 °C	0.81 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	8 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
40	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 100 °C to 1000 °C	0.58 °C
41	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 750 °C	0.44 °C
42	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.75 °C
43	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Using Multifunction Calibrator by Direct Method	300 °C to 1750 °C	0.78 °C
44	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT 100)	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 800 °C	0.47 °C
45	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Using Multifunction Calibrator by Direct Method	300 °C to 1750 °C	0.83 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	9 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 400 °C	1.05 °C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multifunction Calibrator by Direct Method	600 °C to 1750 °C	0.81 °C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 100 °C to 1000 °C	0.75 °C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 750 °C	0.75 °C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.75 °C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multifunction Calibrator by Direct Method	300 °C to 1750 °C	0.79 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	10 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 800 °C	0.41 °C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multifunction Calibrator by Direct Method	300 °C to 1750 °C	0.75 °C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 400 °C	0.8 °C
55	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	10 Hz to 1 MHz	0.8 % to 1.4 %
56	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Comparison Method	5 s to 86400 s	0.69 s to 2 s
57	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct Method	10 Hz to 100 kHz	0.3 % to 0.29 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	11 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
58	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine, Digital RPM Meter with Sensor - Non - Contact	Using Digital Tachometer by Comparison Method	> 1000 rpm to 20000 rpm	2.94 %
59	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine, Digital RPM Meter with Sensor - Non - Contact	Using Digital Tachometer by Comparison Method	> 500 rpm to 1000 rpm	2.94 %
60	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine, Digital RPM Meter with Sensor - Non - Contact	Using Digital Tachometer by Comparison Method	100 rpm to 500 rpm	3 %
61	MECHANICAL-ACCELERATION AND SPEED	Tachometer - Non - Contact	Using Digital Tachometer, Mechanical Tacho Generator by Comparison Method	> 1000 rpm to 20000 rpm	2.94 %
62	MECHANICAL-ACCELERATION AND SPEED	Tachometer - Non - Contact	Using Digital Tachometer, Mechanical Tacho Generator by Comparison Method	> 500 rpm to 1000 rpm	2.94 %
63	MECHANICAL-ACCELERATION AND SPEED	Tachometer - Non - Contact	Using Digital Tachometer, Mechanical Tacho Generator by Comparison Method	100 rpm to 500 rpm	4.45 %
64	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct Method	94 dB & 114 dB	0.85 dB

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	12 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
65	MECHANICAL-DENSITY AND VISCOSITY	Hydrometer	Using Standard Hydrometer and known Viscosity Liquids by Comparison Method	> 1 SP.GR to 1.8 SP.GR	0.003 SP.GR
66	MECHANICAL-DENSITY AND VISCOSITY	Hydrometer	Using Standard Hydrometer and known Viscosity Liquids by Comparison Method	0.7 SP.GR to 1 SP.GR	0.003 SP.GR
67	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Protractor (L.C.: 1°)	Using Angle Gauge Set by Comparison Method	0°- 90°- 0°	30 minute of arc
68	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor (L.C.: 5 minute of arc)	Using Angle Gauge Block & Surface Plate by Comparison Method	0 to 360 °	6 minute of arc
69	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Length Bar Set & Slip Gauge Set by Comparison Method	0 to 1000 mm	18 µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	13 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
70	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Caliper Checker & Slip Gauge Set by Comparison Method	0 to 600 mm	13 µm
71	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (L.C.: 0.02 mm)	Using Length Bar Set & Slip Gauge Set by Comparison Method	0 to 2000 mm	25 µm
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Gauge - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Slip Gauge, Length Bar Set, Surface Plate by Comparison Method	0 to 300 mm	15.8 µm
73	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C.: 0.001 mm)	Using Slip Gauge, Length Bar Set, Surface Plate by Comparison Method	0 to 300 mm	9 µm
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge (L.C.: 0.001 mm)	Using Slip Gauge Set by Comparison Method	0 to 25 mm	2 µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	14 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Slip Gauge & Length Bar Set by Comparison Method	> 100 mm to 300 mm	7 µm
76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Slip Gauge & Length Bar Set by Comparison Method	0 to 100 mm	4 µm
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.01 mm)	Using Slip Gauge & Length Bar Set by Comparison Method	> 300 mm to 500 mm	9 µm
78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.01 mm)	Using Slip Gauge & Length Bar Set by Comparison Method	> 500 mm to 1000 mm	12 µm
79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler / Leaf Gauge	Using Comparator Stand with Digital Dial by Comparison Method	0.05 mm to 2 mm	3 µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	15 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Length Bar, Slip Gauge Set & Surface Plate by Comparison Method	0 to 1000 mm	15.6 µm
81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial/ / Digital (L.C.: 0.01 mm)	Using Caliper Checker, Slip Gauge Set & Surface Plate by Comparison Method	0 to 600 mm	12.7 µm
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer (Extension Rods)	Using Slip Gauge Set, Length Bar & Comparator Stand with Digital Dial by Comparison Method	50 mm to 100 mm	4 µm
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer (Extension Rods) (L.C.: 0.01 mm)	Using Slip Gauge Set, Length Bar, Comparator Stand with Digital Dial by Comparison Method	> 50 mm to 1000 mm	10 µm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer - Two Point (L.C.: 0.001 mm)	Using Slip Gauge Set, Comparator Stand with Digital Dial by Comparison Method	5 mm to 50 mm	7 µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	16 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 1 mm	2 µm
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 0.01 mm)	Using Dial Calibration Tester by Comparison Method	0 to 1.6 mm	6 µm
87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Pin	Using Comparator Stand with Digital Dial by Comparison Method	0.1 mm to 20 mm	1.2 µm
88	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale (L.C.: 1 mm)	Using Scale and Tape Calibrator by Comparison Method	0 to 1000 mm	126 x Sqrt (L) µm, where L is in metre
89	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape / Pi - Tape	Using Tape & Scale Calibrator by Comparison Method	0 to 50 m	126 x Sqrt (L) µm, where L is in metre

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	17 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
90	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer - (Point Type) (L.C.: 0.001 mm)	Using Slip Gauge Set by Comparison Method	0 to 25 mm	2 µm
91	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer - Ball Type (L.C.: 0.001 mm)	Using Slip Gauge Set by Comparison Method	0 to 25 mm	2 µm
92	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Comparator Stand with Digital Dial, Slip Gauges and Length Bar by Comparison Method	> 100 mm to 300 mm	4 µm
93	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Comparator Stand with Digital Dial, Slip Gauges and Length Bar by Comparison Method	> 25 mm to 100 mm	1.8 µm
94	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Comparator Stand with Digital Dial, Slip Gauges and Length Bar by Comparison Method	> 300 mm to 500 mm	6 µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	18 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
95	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Comparator Stand with Digital Dial, Slip Gauges and Length Bar by Comparison Method	> 500 mm to 975 mm	9 µm
96	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper (L.C.: 0.1 mm)	Using Slip Gauge Set by Comparison Method	0 to 100 mm	75 µm
97	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge, Width Gauge	Using Comparator Stand with Digital Dial, Slip Gauge Set by Comparison Method	> 100 mm to 250 mm	3 µm
98	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge, Width Gauge	Using Comparator Stand with Digital Dial, Slip Gauge Set by Comparison Method	3 mm to 100 mm	3 µm
99	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 25 mm	4 µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	19 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
100	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge (L.C.: 0.01 mm)	Using Dial Calibration Tester, Slip Gauge Set by Comparison Method	0 to 50 mm	5.9 µm
101	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spirit Level (Sensitivity: 0.01 mm / m)	Using Surface Plate, Tilting Fixture and Digital Dial Gauge by Comparison Method	(±) 1 mm	9 µm/m
102	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge - Parallelism of Working Face	Using Digital Dial Indicator, Slip Gauge Set & Surface Plate by Comparison Method	0 to 2 m	22 µm
103	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge - Straightness of Working Face	Using Slip Gauge Set, Surface Plate & Spirit Level by Comparison Method	0 to 2 m	18 µm
104	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Foil	Using Comparator Stand with Digital Dial by Comparison Method	0.005 mm to 2 mm	0.7 µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	20 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
105	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital - Pressure Gauge, Pressure Indicator - Hydraulic Pressure	Using Digital Pressure Gauge with Pressure Comparator by Comparison Method as per DKD R 6 - 1	0 to 30 bar	0.8 % rdg
106	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital - Pressure Gauge, Pressure Indicator - Hydraulic Pressure	Using Digital Pressure Gauge with Pressure Comparator by Comparison Method as per DKD R 6 - 1	0 to 600 bar	0.8 % rdg
107	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital - Vacuum Gauge, Vacuum Indicator - Pneumatic Pressure	Using Digital Vacuum Gauge with Vacuum Comparator by Comparison Method as per DKD R 6 - 1	(-) 0.9 bar to 0 bar	0.8 % rdg
108	MECHANICAL-VOLUME	Micropipette	Using E1 Accuracy Weights, Semi - Micro Balance (Readability : 0.01 mg) by Gravimetric Method as per ISO 8655 - 6 - 2022	> 200 µl to 1000 µl	0.79 µl

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	21 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
109	MECHANICAL-VOLUME	Micropipette	Using E1 Accuracy Weights, Semi - Micro Balance (Readability : 0.01 mg) by Gravimetric Method as per ISO 8655 - 6 - 2022	20 µl to 200 µl	0.51 µl
110	MECHANICAL-VOLUME	Pipette, Burette, Measuring Cylinder, Volumetric Flask, Beaker, Conical Flask	Using F2 Accuracy Class Weights, Balance (Readability : 0.01 g) by Gravimetric Method as per ISO 4787 : 2021	> 1000 ml to 2000 ml	0.05 ml
111	MECHANICAL-VOLUME	Pipette, Burette, Measuring Cylinder, Volumetric Flask, Beaker, Conical Flask	Using E1 Accuracy Class Weights, Balance (Readability : 0.01 g) by Gravimetric Method as per ISO 4787 : 2021	10 ml to 100 ml	0.05 ml
112	MECHANICAL-VOLUME	Pipette, Burette, Measuring Cylinder, Volumetric Flask, Beaker, Conical Flask	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.01 mg) by Gravimetric Method as per ISO 4787 : 2021	100 µl to 10 ml	0.34 µl

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	22 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
113	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.01 g)	Using E1 Accuracy Class Weights by Comparison Method as per OIML R 76 - 1	0 to 820 g	6.65 mg
114	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.01 mg)	Using E1 Accuracy Class Weights by Comparison Method as per OIML R 76 - 1	0 to 80 g	0.03 mg
115	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.1 mg)	Using E1 Accuracy Class Weights by Comparison Method as per OIML R 76 - 1	0 to 200 g	0.3 mg
116	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 1 g)	Using E1, F2 Accuracy Class Weights by Comparison Method as per OIML R 76 - 1	0 to 30 kg	2 g
117	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.1g, Class II and Coarser	Using standard F2 class Weights, by Comparison Method (OIML R 76-1)	>820 g to 3 kg	40mg
118	MECHANICAL-WEIGHTS	Accuracy E2 Class & coarser	Using E1 Class Accuracy Weights and Electronic Balance (Readability : 0.0001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	200 g	0.1 mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	23 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
119	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	1 g	0.03 mg
120	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	10 g	0.04 mg
121	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Class Accuracy Weights and Electronic Balance (Readability : 0.0001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	100 g	0.09 mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3997
Validity	26/07/2024 to 25/07/2026

Last Amended on 27/08/2024

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)(±)
122	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	100 mg	0.01 mg
123	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	2 g	0.04 mg
124	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	20 mg	0.01 mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3997
Validity	26/07/2024 to 25/07/2026

Last Amended on 27/08/2024

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)(±)
125	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	200 mg	0.01 mg
126	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	5 g	0.04 mg
127	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	50 g	0.06 mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	26 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
128	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	50 mg	0.01 mg
129	MECHANICAL-WEIGHTS	Accuracy F1 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	500 mg	0.01 mg
130	MECHANICAL-WEIGHTS	Accuracy F2 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	1 mg	0.02 mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	27 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
131	MECHANICAL-WEIGHTS	Accuracy F2 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	10 mg	0.02 mg
132	MECHANICAL-WEIGHTS	Accuracy F2 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	2 mg	0.02 mg
133	MECHANICAL-WEIGHTS	Accuracy F2 Class & Coarser	Using E1 Accuracy Class Weights, Semi - Micro Balance (Readability : 0.00001 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	5 mg	0.02 mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	28 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
134	MECHANICAL-WEIGHTS	Accuracy M1 Class & Coarser	Using F2 Class Accuracy Weights, Electronic Balance (Readability : 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	1 kg	9 mg
135	MECHANICAL-WEIGHTS	Accuracy M1 Class & Coarser	Using F2 Class Accuracy Weights, Electronic Balance (Readability : 0.1 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	10 kg	74 mg
136	MECHANICAL-WEIGHTS	Accuracy M1 Class & Coarser	Using F2 Class Accuracy Weights, Electronic Balance (Readability : 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	2 kg	13 mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	29 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
137	MECHANICAL-WEIGHTS	Accuracy M1 Class & Coarser	Using F2 Class Accuracy Weights, Electronic Balance (Readability : 0.1 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	5 kg	68 mg
138	MECHANICAL-WEIGHTS	Accuracy M1 Class & Coarser	Using F2 Class Accuracy Weights, Electronic Balance (Readability : 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R - 111	500 g	6 mg
139	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Meter with In Built or External Sensor, Thermo-Hygrometer @ 25 °C	Using Digital Hygrometer, Temperature and Humidity Generator by Comparison Method	20 % RH to 95 % RH	1.97 % RH
140	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), 6½ Digit Multimeter, Liquid Bath by Comparison Method	(-) 30 °C to 25 °C	0.69 °C
141	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), 6½ Digit Multimeter, Liquid Bath by Comparison Method	> 25 °C to 300 °C	0.8 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	30 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
142	THERMAL-TEMPERATURE	RTD with or without Indicator	Using RTD (PT 100), 6½ Digit Multimeter, Liquid Bath by Comparison Method	(-) 30 °C to 25 °C	0.52 °C
143	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator	Using RTD (PT 100), 6½ Digit Multimeter, Dry Well Temperature Bath by Comparison Method	> 25 °C to 80 °C	0.52 °C
144	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator	Using RTD (PT 100), 6½ Digit Multimeter, Dry Well Temperature Bath by Comparison Method	> 80 °C to 300 °C	0.52 °C
145	THERMAL-TEMPERATURE	Thermocouple with or without Indicator	Using S Type Thermocouple, 6½ Digit Multimeter, Tubular Furnace by Comparison Method	300 °C to 1000 °C	2.3 °C
146	THERMAL-TEMPERATURE	Thermometer - Dial / Digital	Using RTD (PT 100), 6½ Digit Multimeter, Liquid Bath by Comparison Method	(-) 30 °C to 25 °C	0.52 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	31 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
147	THERMAL-TEMPERATURE	Thermometer - Dial / Digital	Using RTD (PT 100), 6½ Digit Multimeter, Dry Well Temperature Bath by Comparison Method	> 25 °C to 80 °C	0.52 °C
148	THERMAL-TEMPERATURE	Thermometer - Dial / Digital	Using RTD (PT 100), 6½ Digit Multimeter, Dry Well Temperature Bath by Comparison Method	> 80 °C to 300 °C	0.69 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	32 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 µA to 100 mA	2 % to 0.6 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter & Multifunction Calibrator by Comparison Method	100 mA to 10 A	0.6 % to 0.7 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Direct Method	1 kV to 10 kV	5 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Divider with Digital kV Meter by Direct Method	1 kV to 100 kV	2.8 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	33 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	1 mV to 100 mV	1.5 % to 0.5 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 mV to 1000 V	0.5 % to 0.11 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1Ø, 3 Wire, AC Power @ (50 Hz, 0.2 Lead / Lag to UPF, 1 V to 600 V, 0.5 A to 10 A, Active cos Ø & Reactive sin Ø)	Using Multifunction Calibrator by Direct Method	0.5 W to 6 kW	0.5 % to 2 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	1 A to 10 A	0.18 % to 0.406 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	100 µA to 1 A	0.45 % to 0.18 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	34 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	1 mV to 10 V	2.642 % to 0.602 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	10 V to 1000 V	0.602 % to 0.211 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multifunction Calibrator by Direct Method	0.5 nF to 100 µF	3 % to 0.742 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multifunction Calibrator by Direct Method	100 µF to 300 µF	0.742 % to 1.2 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Phase Angle	Using Multifunction Calibrator by Comparison Method	0 ° to 90 °	1.02 °
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor (Lag & Lead)	Using Multifunction Calibrator by Direct Method	0.2 PF to UPF	1.515 % to 0.3 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	35 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	0.5 nF to 100 µF	4.844 % to 2.46 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 µF to 300 µF	2.46 % to 1.84 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	10 µA to 10 A	0.7 % to 0.208 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Direct Method	1 kV to 10 kV	4 % to 2.5 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High Voltage Divider with Digital kV Meter by Direct Method	1 kV to 70 kV	2 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	0.1 mV to 100 mV	1 % to 0.06 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	36 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	10 mV to 1 V	0.1 % to 0.015 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 mV to 1000 V	0.06 % to 0.04 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 kohm to 100 Mohm	0.2 % to 2.9 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	100 Mohm to 1 Gohm	2.9 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter and Multifunction Calibrator by V / I Method	0.02 mohm to 100 ohm	1.1 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	10 ohm to 100 kohm	0.7 % to 0.2 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	37 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	0.1 mV to 10 mV	3.415 % to 0.1 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	10 µA to 100 µA	0.6 % to 0.073 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	100 µA to 100 mA	0.073 % to 0.02 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	100 mA to 10 A	0.02 % to 0.17 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 V to 1000 V	0.059 % to 0.01 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	10 mV to 1 V	0.1 % to 0.059 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	38 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multifunction Calibrator by Direct Method	10 Mohm to 100 Mohm	0.08 % to 0.6 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multifunction Calibrator by Direct Method	100 kohm to 10 Mohm	0.02 % to 0.08 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multifunction Calibrator by Direct Method	100 Mohm to 300 Mohm	0.6 % to 1 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire @ 5 kV	Using Mega Ohm Box by Direct Method	300 Mohm to 100 Gohm	3.4 % to 3.45 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	0.02 mohm to 10 ohm	1.05 % to 1 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Multifunction Calibrator by Direct Method	10 ohm to 100 kohm	0.2 % to 0.02 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	39 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
40	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH Meter	Using Multifunction Calibrator by Simulation Method	0 pH {(-) 421 mV) to 14 pH (421 mV)	1 % to 1.2 %
41	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using Multifunction Calibrator by Direct Method	600 °C to 1750 °C	0.81 °C
42	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 100 °C to 1000 °C	0.58 °C
43	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 750 °C	0.44 °C
44	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.75 °C
45	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Using Multifunction Calibrator by Direct Method	300 °C to 1750 °C	0.78 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	40 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT 100)	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 800 °C	0.47 °C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Using Multifunction Calibrator by Direct Method	300 °C to 1750 °C	0.83 °C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 400 °C	1.05 °C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multifunction Calibrator by Direct Method	600 °C to 1750 °C	0.81 °C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 750 °C	0.75 °C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.75 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	41 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multifunction Calibrator by Direct Method	300 °C to 1750 °C	0.79 °C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 800 °C	0.41 °C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multifunction Calibrator by Direct Method	300 °C to 1750 °C	0.75 °C
55	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 400 °C	0.8 °C
56	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter and Multifunction Calibrator by Comparison Method	10 Hz to 1 MHz	0.8 % to 1.4 %
57	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Comparison Method	5 s to 86400 s	0.69 s to 2 s

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	42 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
58	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct Method	10 Hz to 100 kHz	0.3 % to 0.29 %
59	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine, Digital RPM Meter with Sensor - Non - Contact	Using Digital Tachometer by Comparison Method	> 1000 rpm to 20000 rpm	2.94 %
60	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine, Digital RPM Meter with Sensor - Non - Contact	Using Digital Tachometer by Comparison Method	> 500 rpm to 1000 rpm	2.94 %
61	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine, Digital RPM Meter with Sensor - Non - Contact	Using Digital Tachometer by Comparison Method	100 rpm to 500 rpm	3 %
62	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct Method	94 dB & 114 dB	0.85 dB
63	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Angular (L.C.: 1 minute of arc)	Using Angle Gauge by Comparison Method	0 to 360 °	3 minute of arc
64	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Linear (L.C.: 0.001 mm)	Using Slip Gauge Set by Comparison Method	0 to 100 mm	4.1 µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	43 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
65	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Magnification	Using Cylindrical Pin & Vernier Caliper by Comparison Method	10 X to 100 X	0.2 %
66	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital - Pressure Gauge, Pressure Indicator - Hydraulic Pressure	Using Digital Pressure Gauge with Pressure Comparator by Comparison Method as per DKD R 6 - 1	0 to 30 bar	0.8 % rdg
67	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital - Pressure Gauge, Pressure Indicator - Hydraulic Pressure	Using Digital Pressure Gauge with Pressure Comparator by Comparison Method as per DKD R 6 - 1	0 to 600 bar	0.8 % rdg
68	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital - Vacuum Gauge, Vacuum Indicator - Pneumatic Pressure	Using Digital Vacuum Gauge with Vacuum Comparator by Comparison Method as per DKD R 6 - 1	(-) 0.9 bar to 0 bar	0.8 % rdg
69	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machine - Compression Mode	Using Force Proving Instrument by Comparison Method as per IS 1828 (Part 1) : 2022, ISO 7500 - 1 : 2018	100 kN to 500 kN	0.85 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	44 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
70	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machine - Tension Mode	Using Standard Newton Weights by Comparison Method as per IS 1828 (Part 1) : 2022, ISO 7500 - 1 : 2018	1 N to 100 N	0.85 %
71	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machine - Tension Mode	Using Force Proving Instruments by Comparison Method as per IS 1828 (Part 1) : 2022, ISO 7500 - 1 : 2018	100 N to 100 kN	0.85 %
72	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.01 g)	Using E1 Accuracy Class Weights by Comparison Method as per OIML R 76 - 1	0 to 820 g	6.65 mg
73	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.01 mg)	Using E1 Accuracy Class Weights by Comparison Method as per OIML R 76 - 1	0 to 80 g	0.03 mg
74	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.1 mg)	Using E1 Accuracy Class Weights by Comparison Method as per OIML R 76 - 1	0 to 200 g	0.3 mg
75	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 1 g)	Using E1, F2 Accuracy Class Weights by Comparison Method as per OIML R 76 - 1	0 to 30 kg	2 g

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	45 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
76	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.1g, Class II and Coarser	Using standard F2 class Weights, by Comparison Method (OIML R 76-1)	>820 g to 3 kg	40mg
77	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of RH Chamber, Conditioning Chamber, Environmental Chamber - Single Position @ 25°C	Using Digital Hygrometer by Comparison Method	20 % RH to 95 % RH	1.9 % RH
78	THERMAL-TEMPERATURE	Freezer, Oven, Conditioning Chamber, Autoclave (For Non Medical Purpose Only) - Multi Position (Minimum 9 Sensors)	Using RTD (PT 100) with Data Logger by Comparison Method	0 °C to 250 °C	4.2 °C
79	THERMAL-TEMPERATURE	Temperature Indicator with Sensor, Thermocouple with or without Indicator	Using S Type Thermocouple, 6½ Digit Multimeter by Comparison Method	200 °C to 1000 °C	2.3 °C
80	THERMAL-TEMPERATURE	Thermocouple with or without Indicator / Controller, Dial Temperature Gauge, Digital Thermometer	Using S Type Thermocouple, 6½ Digital Multimeter, Dry Block Calibrator by Comparison Method	300 °C to 500 °C	2.3 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI-LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3997	**Page No**	46 of 46
Validity	26/07/2024 to 25/07/2026	**Last Amended on**	27/08/2024

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)(±)
81	THERMAL-TEMPERATURE	Thermometer - Dial / Digital, RTD with or without Indicator, Thermocouple with or without Indicator	Using RTD (PT 100), 6½ Digit Multimeter, Dry Well Temperature Bath by Comparison Method	(-) 25 °C to 300 °C	0.52 °C

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