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, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2280

Issue Date: 12/11/2022 **Valid Until:** 29/06/2024

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 Identity : CALI LABS PRIVATE LIMITED

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2280	**Page No**	1 of 40
Validity	12/11/2022 to 29/06/2024	**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	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ DMM by Comparison Method	100 mA to 10 A	0.6 % to 0.7 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50Hz	Using 6½ DMM by Comparison Method	100 µA to 100 mA	2 % to 0.6 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Comparison Method	1 kV to 5 kV	6.5 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ DMM by Comparison Method	10 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, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 2 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ DMM by Comparison Method	100 mV to 1000 V	0.5 % to 0.11 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @50 Hz to 1 kHz	Using Multifunction calibrator by Comparison Method	1 A to 10 A	0.16 % to 0.15 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @50 Hz to 1 kHz	Using Multifunction calibrator by Comparison Method	100 µA to 1 A	0.45 % to 0.18 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Power @50 Hz at UPF to 0.2 PF (Lag and Lead),0.5A to 10A ,1V to 600	Using Multifunction calibrator by Comparison Method	0.5 Watt to 6 kWatt	0.5 % to 2 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction calibrator by Comparison Method	10 mV to 10 V	0.45 % to 0.09 %

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 3 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction calibrator by Comparison Method	10 V to 1000 V	0.09 % to 0.1 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1kHz	Using Multifunction calibrator by Comparison Method	0.5 nF to 100 µF	3 % to 0.7 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1kHz	Using Multifunction calibrator by Comparison Method	100 µF to 300 µF	0.7 % 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 Comparison Method	0.2 PF to 1 PF	0.17PF
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ DMM by Comparison Method	1 nF to 100 µF	3.48 % to 2.46 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2280	**Page No**	4 of 40
Validity	12/11/2022 to 29/06/2024	**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)(±)
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ DMM by Comparison Method	100 µF to 300 µF	2.46 % to 1.2 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using by 6½ DMM by Comparison Method	10 µA to 10 A	0.7 % to 0.2 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Comparison Method	1 kV to 5 kV	6.2%
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM by Comparison Method	1 mV to 100 mV	1.00 % to 0.06 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM by Comparison Method	100 mV to 1000 V	0.06 % to 0.04 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Low Resistance 4 wire	Using 6.5 Digit DMM and multifunction calibrator by V/I method	1 mohm to 10 ohm	1.1%

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 5 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 4 wire	Using 6½ DMM by Comparison Method	10 ohm to 100 kohm	0.7 % to 0.2 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 2 wire	Using 6½ DMM by Comparison Method	100 k ohm to 100 M ohm	0.2 % to 2.4 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 2 wire	Using 6½ DMM by Comparison Method	100 M ohm to 1 G ohm	2.9%
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Comparison Method	1 mV to 10 mV	1.0 % to 0.1 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using multifunction calibrator by Comparison Method	10 µA to 100 µA	0.6 % to 0.07 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using multifunction calibrator by Comparison Method	100 µA to 100 mA	0.07 % to 0.02 %

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 6 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using multifunction calibrator by Comparison Method	100 mA to 10 A	0.02 % to 0.17 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using multifunction calibrator by Comparison Method	1 V to 1000 V	0.015 % to 0.01 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using multifunction calibrator by Comparison Method	10 mV to 1 V	0.1 % to 0.015 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 2 wire upto 5kV	Using Mega Ohm Box by Comparison Method	300 M ohm to 100 G ohm	3.4
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 2 wire	Using Multifunction calibrator by Comparison Method	10 M ohm to 100 M ohm	0.08 % to 0.6 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 2 wire	Using Multifunction calibrator by Comparison 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, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 7 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 2 wire	Using Multifunction calibrator by Comparison Method	100 M ohm to 300 M ohm	0.6 % to 1.0 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 4 wire	Using shunts & Decade Box by Comparison Method	1 m ohm to 10 ohm	1.38 % to 2.4 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 4 wire	Using Multifunction calibrator by Comparison Method	10 ohm to 100 k ohm	0.2 % to 0.02 %
37	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B type Thermocouple	Using multifunction calibrator by simulation method	600 °C to 1750 °C	0.81°C
38	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E type Thermocouple	Using multifunction calibrator by simulation method	-100 °C to 1000 °C	0.46°C
39	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J type Thermocouple	Using multifunction calibrator by simulation method	-190 °C to 750 °C	0.44°C

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 8 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
40	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K type Thermocouple	Using multifunction calibrator by simulation method	-200 °C to 1300 °C	0.75°C
41	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R type Thermocouple	Using multifunction calibrator by simulation method	300 °C to 1750 °C	0.78°C
42	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD type	Using Multifunction calibrator by Simulation method	-200 °C to 800 °C	0.38°C
43	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type	Using Multifunction calibrator by Simulation method	300 °C to 1750 °C	0.83°C
44	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using Radix/Fluke Multifunction calibrator by Simulation method	-190 °C to 400 °C	1.05°C
45	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B type Thermocouple	Using Multifunction calibration by Simulation 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, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2280
Page No	9 of 40
Validity	12/11/2022 to 29/06/2024
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)(±)
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E type Thermocouple	Using Multifunction calibration by Simulation method	-100 °C to 1000 °C	0.75°C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J type Thermocouple	Using Multifunction calibration by Simulation method	-190 °C to 750 °C	0.75°C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K type Thermocouple	Using Multifunction calibration by Simulation method	-200 °C to 1300 °C	0.75°C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R type Thermocouple	Using Multifunction calibration by Simulation method	300 °C to 1750 °C	0.79°C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD	Using Multifunction calibration by Simulation method	-200 °C to 800 °C	0.41°C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S type Thermocouple	Using Multifunction calibration by Simulation method	300 °C to 1750 °C	0.75°C

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 10 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T type Thermocouple	Using Multifunction calibration by Simulation method	-190 °C to 400 °C	0.80°C
53	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Digital / Analog Stop Watch/Timer	Using Digital Time Calibrator by Comparison Method	10 s to 24 hour	1.51 s to 2 s
54	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ DMM by Comparison Method	10 Hz to 1 M Hz	0.8 % to 1.40 %
55	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction calibrator by Comparison Method	10 Hz to 100 k Hz	0.015 % to 0.065 %
56	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine, RPM Indicator	Using non-contact Tachometer by Comparison Method	100 rpm to 20000 rpm	3 rpm to 67 rpm
57	MECHANICAL-ACCELERATION AND SPEED	RPM Measurement, Tachometer	Using Non contact Tachometer & Mechanical Tacho-generator by Comparison Method	100 rpm to 1000 rpm	3 rpm to 67 rpm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2280
Page No	11 of 40
Validity	12/11/2022 to 29/06/2024
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)(±)
58	MECHANICAL-ACCELERATION AND SPEED	RPM Measurement, Tachometer	Using Non contact Tachometer & Mechanical Tacho-generator by Comparison Method	1000 rpm to 20000 rpm	67rpm
59	MECHANICAL-ACOUSTICS	Sound Level Meter @1kHz	Using Sound Level Calibrator by diirect method	94 dB to 114 dB	0.85dB
60	MECHANICAL-DENSITY AND VISCOSITY	Hydrometer	Using Standard Hydrometer by Comparison Method	0.7 sp.gr. to 1.0 sp.gr.	0.0012sp.gr.
61	MECHANICAL-DENSITY AND VISCOSITY	Hydrometer	Using Standard Hydrometer by Comparison Method	1.0 sp.gr. to 1.8 sp.gr.	0.0016sp.gr.
62	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ball Type Micrometer L.C. 0.001 mm	Using Slip Gauge Set Grade 0 by Comparison Method	0 mm to 25 mm	2µm
63	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor L.C. 5 Min, Digital Angle Protractor	Using Angle Gauge Block & Surface Plate by Comparison Method	0 to 360 °	6Min

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 12 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
64	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/Dial/Digital) L.C. 0.01 mm	Using Caliper Checker & Length Bar Set, Slip Gauge Set by Comparison Method	0 to 1000 mm	18µm
65	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/Dial/Digital) L.C. 0.01 mm	Using Caliper Checker & Length Bar Set, Slip Gauge Set by Comparison Method	0 to 300 mm	13µm
66	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/Dial/Digital) L.C. 0.01 mm	Using Caliper Checker & Length Bar Set, Slip Gauge Set by Comparison Method	0 to 600 mm	13µm
67	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/Dial/Digital) L.C. 0.02 mm	Using Caliper Checker & Length Bar Set, Slip Gauge Set by Comparison Method	0 to 2000 mm	25µm
68	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 mm to 300 mm	15.8µm

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 13 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
69	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 mm to 300 mm	9µm
70	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge L.C. 0.001 mm	Using Slip gauge set Grade 0 by Comparison Method	0 to 25 mm	2µm
71	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	4µm
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C. 0.001 mm	Using Slip Gauge & Length Bar Set by Comparison Method	100 to 300 mm	7µm
73	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C. 0.01 mm	Using Slip Gauge & Length Bar Set by Comparison Method	500 to 1000 mm	12µm

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 14 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C. 0.010 mm	Using Slip Gauge & Length Bar Set by Comparison Method	300 mm to 500 mm	9µm
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler / Leaf Gauge	Using comparator stand with digital Dial by Comparison Method	0.05 to 2 mm	3µm
76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Vernier / Dial/ / Digital) L.C. 0.01 mm	Using Caliper checker, length Bar & Surface Plate by Comparison Method	0 to 300 mm	12µm
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Vernier / Dial/ / Digital) L.C. 0.01 mm	Using Caliper checker, length Bar, Surface Plate by Comparison Method	0 mm to 1000 mm	15.6µm
78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Vernier / Dial/ / Digital) L.C. 0.01 mm	Using Caliper checker, length Bar & Surface Plate by Comparison Method	0 mm to 600 mm	12µm

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 15 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
79	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	4µm
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer L.C. 0.01 mm	Using Slip Gauge Set, Length Bar & Comparator Stand with Digital Dial by Comparison Method	5 mm to 300 mm	7µm
81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer L.C. 0.01 mm	Using Slip Gauge Set, Length Bar & Comparator Stand with Digital Dial by Comparison Method	50 to 1000 mm	10µm
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Gauge L.C. 0.001 mm	Using Dial Calibration Tester by Comparison Method	0 to 1.0 mm	2µm
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Gauge L.C. 0.01 mm	Using Dial Calibration Tester by Comparison Method	0 to 1.6 mm	6µm

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 16 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Pin	Using Comparator stand with Digital Dial by Comparison Method	0.1 to 20 mm	1.2µm
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale L.C. 1 mm	Using Steel Scale/ Tape Calibrator by Comparison Method	0 to 1000 mm	126x Sqrt L µm where L in m
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape / Pi-Tape	Using Steel Tape / Tape calibrator L.C. 1 µm by Comparison Method	0 to 50 meter	126x Sqrt L µm where L in mtr
87	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	1.8µm
88	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	4µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2280	**Page No**	17 of 40
Validity	12/11/2022 to 29/06/2024	**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)(±)
89	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	6µm
90	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	9µm
91	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pin Pointed Micrometer L.C. 0.001 mm	Using Slip Gauge Set Grade 0 by Comparison Method	0 to 25 mm	2µm
92	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	75µm
93	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge / Width Gauge/ Height Setting Block	Using Comparator Stand with Digital Dial &Slip Gauge Setby Comparison Method	> 100 to 250 mm	3µm

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2280	**Page No**	18 of 40
Validity	12/11/2022 to 29/06/2024	**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)(±)
94	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge / Width Gauge/ Height Setting Block	Using Comparator Stand with Digital Dial &Slip Gauge Set by Comparison Method	3 mm to 100 mm	3µm
95	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge L.C. 0.001 mm	Using Dial Calibration Tester Slip Gauge Set by Comparison Method	0 to 25 mm	4µm
96	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge L.C. 0.01 mm	Using Dial Calibration Tester Slip Gauge Set by Comparison Method	0 to 50 mm	5.9µm
97	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	9µm/m
98	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge	Using Slip Gauge Set, Surface Plate, Spirit level & Feeler Gauge by Comparison Method	0 to 2 mtr	18µm

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 19 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
99	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Foils	Using Comparator Stand with Digital Dial by Comparison Method	0.005 to 2 mm	1.5µm
100	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Gauge/Digital/Analog Pressure Gauge/Pressure Indicator	Using Digital Pressure Gauge with pressure comparator by Comparison method as per DKD-R-6-1	0 to 30 bar	0.8% of rdg
101	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Gauge/Digital/Analog Pressure Gauge/Pressure Indicator	Using digital pressure gauge with pressure comparator by Comparison method as per DKD-R-6-1	0 to 600 bar	0.8% of rdg
102	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge/Indicator	Using Digital vacuum Gauge with with vacuum comparator by comparison method as per DKD-R-6-2	(-) 0.9 bar to 0 bar	0.8% of rdg
103	MECHANICAL-VOLUME	Glassware's - Pipette, Burette, Measuring Cylinder, Volumetric Flask, Beaker, Conical Flask	Using Standard E1 Class Weights and Micro Balance, L.C. 0.01 mg, by ISO4787:2021	10 ml to 1000 ml	0.05 ml

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2280	**Page No**	20 of 40
Validity	12/11/2022 to 29/06/2024	**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)(±)
104	MECHANICAL-VOLUME	Glassware's - Pipette, Burette, Measuring Cylinder, Volumetric Flask, Beaker, Conical Flask	Using Standard E1 Class Weights with Micro Balance, L.C. 0.01 g by ISO 4787:2021	100 µl to 10 ml	0.34µl
105	MECHANICAL-VOLUME	Glassware's - Pipette, Burette, Measuring Cylinder, Volumetric Flask, Beaker, Conical Flask	Using Standard F2 Class Weights above 200 g with Micro Balance, L.C. 0.1 mg by ISO 4787:2021	1000 ml to 2000 ml	0.05 ml
106	MECHANICAL-VOLUME	Micro Pipette	Using Standard E1 class Weights with micro balance, L.C. 0.01 mg, by ISO 8655-6	10 µl to 100 µl	0.25µl
107	MECHANICAL-VOLUME	Micro Pipette	Using Standard E1 class Weights with micro balance, L.C. 0.01 mg, by ISO 8655-6	100 µl to 1000 µl	0.34µl
108	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.00001 g, Class I and coarser	Using Standard E1 Class Weights, by Comparison Method (OIML R 76-1)	up to 5 g	0.03 mg
109	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.0001 g, Class I and coarser	Using Standard E1 Class Weights, by Comparison Method (OIML R 76-1)	80 g to 200 g	0.3 mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2280	**Page No**	21 of 40
Validity	12/11/2022 to 29/06/2024	**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)(±)
110	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.1 g, Class II and coarser	Using F2 Class Weights, by Comparison Method (OIML R 76-1)	>3 kg to 30 kg	2 mg
111	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.1 g, Class I and coarser	Using standard F2 class Weights, by Comparison Method (OIML R 76-1)	>300 g to 3 kg	40mg
112	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance L.C 0.00001 g , Class I and coarser	Using Standard E1 Class Weights, by Comparison Method (OIML R 76-1)	5 g to 80 g	0.03 mg
113	MECHANICAL-WEIGHING SCALE AND BALANCE	Spring Balance L .C 1g	Using F2 class Weights by Comparison Method	Up to 30 kg	20 g
114	MECHANICAL-WEIGHTS	Weights F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)	10 g	0.04 mg
115	MECHANICAL-WEIGHTS	Weights F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)::	100 mg	0.01 mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2280	**Page No**	22 of 40
Validity	12/11/2022 to 29/06/2024	**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)(±)
116	MECHANICAL-WEIGHTS	Weights F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)	100g	0.09 mg
117	MECHANICAL-WEIGHTS	Weights F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1):	2 g	0.04 mg
118	MECHANICAL-WEIGHTS	Weights F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)::	20 mg	0.01 mg
119	MECHANICAL-WEIGHTS	Weights F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1):	200 mg	0.01 mg
120	MECHANICAL-WEIGHTS	Weights F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1):	50 mg	0.01 mg
121	MECHANICAL-WEIGHTS	Weights F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)::	500 mg	0.01 mg

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 23 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
122	MECHANICAL-WEIGHTS	Weights F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)::	5g	0.04 mg
123	MECHANICAL-WEIGHTS	Weights M1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1):	10 mg	0.01 mg
124	MECHANICAL-WEIGHTS	Weights M1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1):	2 mg	0.01 mg
125	MECHANICAL-WEIGHTS	Weights M1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1):	5 mg	0.01 mg
126	MECHANICAL-WEIGHTS	Weights M1 class and Coarser	Using Standard F2 Class weights with micro balance by ABBA Method (OIML R 111 - 1)	500g	6mg
127	MECHANICAL-WEIGHTS	Weights, E2 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)	200g	0.10mg

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2280	**Page No**	24 of 40
Validity	12/11/2022 to 29/06/2024	**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)(±)
128	MECHANICAL-WEIGHTS	Weights, E2 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)	50g	0.06mg
129	MECHANICAL-WEIGHTS	Weights, F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)	1 g	0.04 mg
130	MECHANICAL-WEIGHTS	Weights, F1 class and Coarser	Using Standard E1 Class weights with micro balance by ABBA Method (OIML R 111 - 1)	1 mg	0.01 mg
131	MECHANICAL-WEIGHTS	Weights, M1 class and Coarser	Using Standard F2 Class weights with balance by ABBA Method (OIML R 111 - 1)	10 kg	74 mg
132	MECHANICAL-WEIGHTS	Weights, M1 class and Coarser	Using Standard F2 Class Weights with balance by ABBA Method (OIML R 111 - 1)	5 kg	68 mg
133	MECHANICAL-WEIGHTS	Weights,M1 class and Coarser	Using Standard F2 Class Weights with balance by ABBA Method (OIML R 111 - 1)	1 kg	9 mg

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 25 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
134	MECHANICAL-WEIGHTS	Weights,M1 class and Coarser	Using Standard F2 Class Weights with balance by ABBA Method (OIML R 111 - 1)	2 kg	13 mg
135	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Meter with in Built or external sensor, Thermo-Hygrometer, Humidity Indicator	Using digital Hygrometer and Humidity generator with chamber by Comparison Method	20 %RH to 95 % RH @25 °C	1.9
136	THERMAL-TEMPERATURE	Dial/Digital Thermometer, RTD/ Thermocouple with or without Temperature Indicator	Using Fluke RTD (Pt 100), 6 ½ DMM & Fluke Dry Well / Liquid Baths by Comparison Method	> 80 °C to 300 °C	0.52°C
137	THERMAL-TEMPERATURE	Dial/Digital Thermometer, RTD/ Thermocouple with or without Temperature Indicator	Using Fluke RTD (Pt 100), 6 ½ DMM & Fluke Dry Well / Liquid Baths by Comparison Method	>25 °C to 80 °C	0.52°C
138	THERMAL-TEMPERATURE	Dial/Digital Thermometer, RTD/ Thermocouple with or without Temperature Indicator	Using Fluke RTD (Pt 100), 6½ DMM & Fluke Dry Well / Liquid Baths 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, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2280
Validity	12/11/2022 to 29/06/2024

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)(±)
139	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using Fluke RTD (Pt 100), 6½ DMM & Liquid Baths by Comparison Method	25 °C to 300 °C	0.8°C
140	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using Fluke RTD (Pt 100), 6½ DMM & Liquid Baths by Comparison Method	-30 °C to 25 °C	0.6°C
141	THERMAL-TEMPERATURE	Thermocouple With or without temperature Indicator	Using S type Thermocouple, 6½ DMM & Tubular Furnace by Comparison Method	300 °C to 1000 °C	2.3°C

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2280	**Page No**	27 of 40
Validity	12/11/2022 to 29/06/2024	**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)(±)
Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ DMM by Comparison Method	100 mA to 10 A	0.6 % to 0.7 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50Hz	Using 6½ DMM by Comparison Method	100 µA to 100 mA	2 % to 0.6 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High voltage Divider with kV Meter Make Udeyraj by Comparison method	1 kV AC to 100 kV AC	2.8
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Comparison Method	1 kV to 5 kV	6.5 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2280
Page No	28 of 40
Validity	12/11/2022 to 29/06/2024
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)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ DMM by Comparison Method	10 mV to 100 mV	1.5 % to 0.5 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ DMM by Comparison Method	100 mV to 1000 V	0.5 % to 0.11 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @50 Hz to 1 kHz	Using Multifunction calibrator by Comparison Method	1 A to 10 A	0.16 % to 0.15 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @50 Hz to 1 kHz	Using Multifunction calibrator by Comparison Method	100 µA to 1 A	0.45 % to 0.18 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Power @50 Hz at UPF to 0.2 PF (Lag and Lead),0.5A to 10A ,1V to 600	Using Multifunction calibrator by Comparison Method	0.5 Watt to 6 kWatt	0.5 % to 2 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2280
Page No	29 of 40
Validity	12/11/2022 to 29/06/2024
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)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction calibrator by Comparison Method	10 mV to 10 V	0.45 % to 0.09 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction calibrator by Comparison Method	10 V to 1000 V	0.09 % to 0.1 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1kHz	Using Multifunction calibrator by Comparison Method	0.5 nF to 100 µF	3 % to 0.7 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1kHz	Using Multifunction calibrator by Comparison Method	100 µF to 300 µF	0.7 % 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 Comparison Method	0.2 PF to 1 PF	0.17PF

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 30 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ DMM by Comparison Method	1 nF to 100 µF	3.48 % to 2.46 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ DMM by Comparison Method	100 µF to 300 µF	2.46 % to 1.2 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using by 6½ DMM by Comparison Method	10 µA to 10 A	0.7 % to 0.2 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High voltage Divider with kV Meter Make Udeyraj by Comparison method	1 kV DC to 70 kV DC	2
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Comparison Method	1 kV to 5 kV	6.2%
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM by Comparison Method	1 mV to 100 mV	1.00 % to 0.06 %

SCOPE OF ACCREDITATION

Laboratory Name :	CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2280
Page No	31 of 40
Validity	12/11/2022 to 29/06/2024
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)(±)
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM by Comparison Method	100 mV to 1000 V	0.06 % to 0.04 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Low Resistance 4 wire	Using 6.5 Digit DMM and multifunction calibrator by V/I method	1 mohm to 10 ohm	1.1%
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 4 wire	Using 6½ DMM by Comparison Method	10 ohm to 100 kohm	0.7 % to 0.2 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 2 wire	Using 6½ DMM by Comparison Method	100 k ohm to 100 M ohm	0.2 % to 2.4 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 2 wire	Using 6½ DMM by Comparison Method	100 M ohm to 1 G ohm	2.9%
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Comparison Method	1 mV to 10 mV	1.0 % to 0.1 %

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 32 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using multifunction calibrator by Comparison Method	10 µA to 100 µA	0.6 % to 0.07 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using multifunction calibrator by Comparison Method	100 µA to 100 mA	0.07 % to 0.02 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using multifunction calibrator by Comparison Method	100 mA to 10 A	0.02 % to 0.17 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using multifunction calibrator by Comparison Method	1 V to 1000 V	0.015 % to 0.01 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using multifunction calibrator by Comparison Method	10 mV to 1 V	0.1 % to 0.015 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 2 wire upto 5kV	Using Mega Ohm Box by Comparison Method	300 M ohm to 100 G ohm	3.4

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 33 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 2 wire	Using Multifunction calibrator by Comparison Method	10 M ohm to 100 M ohm	0.08 % to 0.6 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 2 wire	Using Multifunction calibrator by Comparison Method	100 kohm to 10 Mohm	0.02 % to 0.08 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 2 wire	Using Multifunction calibrator by Comparison Method	100 M ohm to 300 M ohm	0.6 % to 1.0 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 4 wire	Using shunts & Decade Box by Comparison Method	1 m ohm to 10 ohm	1.38 % to 2.4 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance 4 wire	Using Multifunction calibrator by Comparison Method	10 ohm to 100 k ohm	0.2 % to 0.02 %
39	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B type Thermocouple	Using multifunction calibrator by simulation 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, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 34 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
40	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E type Thermocouple	Using multifunction calibrator by simulation method	-100 °C to 1000 °C	0.46°C
41	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J type Thermocouple	Using multifunction calibrator by simulation method	-190 °C to 750 °C	0.44°C
42	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K type Thermocouple	Using multifunction calibrator by simulation method	-200 °C to 1300 °C	0.75°C
43	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R type Thermocouple	Using multifunction calibrator by simulation method	300 °C to 1750 °C	0.78°C
44	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD type	Using Multifunction calibrator by Simulation method	-200 °C to 800 °C	0.38°C
45	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type	Using Multifunction calibrator by Simulation 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, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2280
Page No	35 of 40
Validity	12/11/2022 to 29/06/2024
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)(±)
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using Radix/Fluke Multifunction calibrator by Simulation method	-190 °C to 400 °C	1.05°C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B type Thermocouple	Using Multifunction calibration by Simulation method	600 °C to 1750 °C	0.81°C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J type Thermocouple	Using Multifunction calibration by Simulation method	-190 °C to 750 °C	0.75°C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K type Thermocouple	Using Multifunction calibration by Simulation method	-200 °C to 1300 °C	0.75°C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R type Thermocouple	Using Multifunction calibration by Simulation method	300 °C to 1750 °C	0.79°C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD	Using Multifunction calibration by Simulation method	-200 °C to 800 °C	0.41°C

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 36 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S type Thermocouple	Using Multifunction calibration by Simulation method	300 °C to 1750 °C	0.75°C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T type Thermocouple	Using Multifunction calibration by Simulation method	-190 °C to 400 °C	0.80°C
54	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Digital / Analog Stop Watch/Timer	Using Digital Time Calibrator by Comparison Method	10 s to 24 hour	1.51 s to 2 s
55	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ DMM by Comparison Method	10 Hz to 1 M Hz	0.8 % to 1.40 %
56	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction calibrator by Comparison Method	10 Hz to 100 k Hz	0.015 % to 0.065 %
57	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine, RPM Indicator	Using non-contact Tachometer by Comparison Method	100 rpm to 20000 rpm	3 rpm to 67 rpm

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 37 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
58	MECHANICAL-ACOUSTICS	Sound Level Meter @1kHz	Using Sound Level Calibrator by diirect method	94 dB to 114 dB	0.85dB
59	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector (Angular Scale) L.C. 1 Min	Using Slip Gauge Set, Angle Gauge, Cylindrical Pin by Comparison Method	0 to 360 deg	3Min of arc
60	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector (Linear Scale) L.C. 0.001	Using Slip Gauge Set by Comparison Method	0 to 100 mm	4.1µm
61	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector (Magnification)	Using Slip Gauge Set, Angle Gauge, Cylindrical Pin by Comparison Method	10 X to 100 X	0.2%
62	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Gauge/Digital/Analog Pressure Gauge/Pressure Indicator	Using Digital Pressure Gauge with pressure comparator by Comparison method as per DKD-R-6-1	0 to 30 bar	0.8% of rdg
63	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Gauge/Digital/Analog Pressure Gauge/Pressure Indicator	Using digital pressure gauge with pressure comparator by Comparison method as per DKD-R-6-1	0 to 600 bar	0.8% of rdg

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 38 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
64	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge/Indicator	Using Digital vacuum Gauge with with vacuum comparator by comparison method as per DKD-R-6-2	(-) 0.9 bar to 0 bar	0.8% of rdg
65	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machines - Compression Mode	Using Class I range of Force Proving Instrument as per IS 1828 (Part 1) 2022, ISO 7500-1 2018.	100 kN to 500 kN	0.63 %
66	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machines - Tension Mode	Using Standards Newton Weights as per IS 1828 (Part 1) 2022, ISO 7500-1 2018.	1 N to 100 N	0.65%
67	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machines - Tension mode	Using Class I range of Force Proving Instrument as per IS 1828 (Part 1) 2022, ISO 7500-1 2018.	10 kN to 100 kN	0.64 %
68	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machines - Tension mode	Using Class I range of Force Proving Instruments as per IS 1828 (Part 1) 2022, ISO 7500-1 2018.	100 N to 10 kN	0.65%

SCOPE OF ACCREDITATION

Laboratory Name : CALI LABS PRIVATE LIMITED, KHASRA NO. 11/1/1/1/2/2, LAMBAKHEDA, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 39 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
69	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.00001 g, Class I and coarser	Using Standard E1 Class Weights, by Comparison Method (OIML R 76-1)	up to 5 g	0.03 mg
70	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.0001 g, Class I and coarser	Using Standard E1 Class Weights, by Comparison Method (OIML R 76-1)	80 g to 200 g	0.3 mg
71	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.1 g, Class II and coarser	Using F2 Class Weights, by Comparison Method (OIML R 76-1)	>3 kg to 30 kg	2 mg
72	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance 0.1 g, Class I and coarser	Using standard F2 class Weights, by Comparison Method (OIML R 76-1)	>300 g to 3 kg	40mg
73	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance L.C 0.00001 g , Class I and coarser	Using Standard E1 Class Weights, by Comparison Method (OIML R 76-1)	5 g to 80 g	0.03 mg
74	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Indicator and Controller of RH Chamber, Conditioning Chamber, Environmental Chamber	Using digital Hygrometer single position calibration (at measuring location in DUC) by Comparison Method	20 % RH to 95 % RH @25 °C	1.9

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, BERASIA ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2280 **Page No** 40 of 40

Validity 12/11/2022 to 29/06/2024 **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)(±)
75	THERMAL-TEMPERATURE	RTD/Thermocouple With or Without Temperature Indicator, Dial/Digital Thermometer	Using RTD (Pt 100), 6½ DMM & Dry Block Calibrator by Comparison Method	-25 °C to 300 °C	0.52°C
76	THERMAL-TEMPERATURE	Temperature Indicator/ Controller with sensor of freezer, Oven, Conditioning Chamber, Autoclave (For non medical purpose only), Furnace - Multiple position calibration at 9 Points	Using Nine RTD (Pt 100) and Data logger multiple position calibration by Comparison Method	0 °C to 250 °C	4.2°C
77	THERMAL-TEMPERATURE	Thermocouple With or Without Temperature Indicator, Controller, Dial Temperature Gauge / Digital Thermometer	S type Thermocouple, 6½ DMM & Dry Block Calibrator by Comparison Method	300 °C to 500 °C	2.3°C

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