National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	1 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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 to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	100 µA to 100 mA	0.78 % to 0.17 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	100 µA to 100 mA	0.84 % to 0.17 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	100 mA to 10 A	0.17 % to 0.25 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	100 mA to 10 A	0.17 % to 1.17 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	2 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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 Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	30 µA to 100 µA	0.81 % to 0.78 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	30 µA to 100 µA	1.88 % to 0.84 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with Digital Multimeter by Direct method	1 kV to 40 kV	3.96 % to 3.61 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	1 mV to 100 mV	2.48 % to 0.082 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	1 mV to 100 mV	2.5 % to 0.09 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	3 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	100 mV to 750 V	0.082 % to 0.078 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	100 mV to 750 V	0.09 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR meter by Direct method	100 pF to 1000 nF	1.55 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	DC Current	Using 7½ Digit Multimeter by Direct Method	100 mA to 10 A	0.04 % to 0.16 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	DC High Voltage @ 50 Hz	Using High Voltage Probe with Digital Multimeter by Direct method	1 kV to 40 kV	5.26 % to 3.69 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	4 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	DC Voltage	Using 7½ Digit Multimeter by Direct Method	1 mV to 100 mV	0.43 % to 0.12 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	DC Voltage	Using 7½ Digit Multimeter by Direct Method	100 mV to 1000 V	0.12 % to 0.006 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR meter by Direct method	100 µH to 10 H	0.75 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Coil by Direct method	10 A to 1000 A	2.1 % to 1.23 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator by Direct method	100 mA to 10 A	0.26 % to 0.31 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	5 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator by Direct method	200 µA to 100 mA	1.12 % to 0.26 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Digital Multifunction Calibrator by Direct method	100 mV to 1000 V	0.24 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Digital Multifunction Calibrator by Direct method	5 mV to 100 mV	1.87 % to 0.24 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Capacitance Decade Box by Direct method	1 nF to 100 µF	1.32 % to 1.26 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct method	100 µH to 1 H	1.16 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter by Direct Method	10 µA to 100 µA	0.73 % to 0.25 %

SCOPE OF ACCREDITATION

Laboratory Name : IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-4404 **Page No** 6 of 80

Validity 16/05/2025 to 03/01/2029 **Last Amended on** 10/10/2025

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)(±)
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter & MFC by Comparision Method	10 µA to 100 µA	0.88 % to 0.25 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter & MFC by Comparision Method	100 µA to 100 mA	0.25 % to 0.04 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter by Direct Method	100 µA to 100 mA	0.25 % to 0.064 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter & MFC by Comparision Method	100 mA to 10 A	0.04 % to 0.16 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 7½ Digit Multimeter & MFC by Comparision Method	1 mV to 100 mV	0.43 % to 0.12 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 7½ Digit Multimeter & MFC by Comparision Method	100 mV to 1000 V	0.12 % to 0.02 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	7 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire / 4 Wire)	Using 7½ Digit Multimeter by Direct Method	1 KOhm to 10 KOhm	0.053 % to 0.085 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire / 4 Wire)	Using 7½ Digit Multimeter by Direct Method	100 ohm to 1 kohm	0.03 % to 0.053 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 7½ Digit Multimeter by Direct Method	1 Mohm to 100 Mohm	0.034 % to 0.46 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 7½ Digit Multimeter by Direct Method	10 Kohm to 1 Mohm	0.085 % to 0.033 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 7½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	0.48 % to 0.025 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Conductivity Meter - Simulation Method (10 µS to 500 µS)	Using Conductivity Simulator by Direct Method	2 kohm to 100 kohm	0.43 % to 0.65 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	8 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator, 100 Turn Current Coil by Direct method	10 A to 1000 A	1.9 % to 1.0 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct method	100 mA to 10 A	0.14 % to 0.24 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct method	200 µA to 100 mA	0.12 % to 0.14 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator by Direct method	1 mV to 100 mV	1.66 % to 0.16 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator by Direct method	100 mV to 1000 V	0.16 % to 0.13 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	pH Meter - Simulation Method (0 to 14 pH)	Using pH Simulator by Direct Method	-400 mV to 400 mV	2.11 % to 0.24 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	9 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct method	1 ohm to 100 kohm	1.18 % to 0.17 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct method	100 kohm to 100 Mohm	0.17 % to 2.34 %
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct method	1 ohm to 100 kohm	1.18 % to 0.17 %
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B- Type Thermocouple	Using Universal calibrator by Direct method	600 °C to 1800 °C	1.1 °C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 1000 °C	0.56 °C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 1000 °C	0.75 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	10 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 1370 °C	0.83 °C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 1300 °C	0.50 °C
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R- Type Thermocouple	Using Universal calibrator by Direct method	150 °C to 1750 °C	0.58 °C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT-100) Type	Using Universal calibrator by Direct method	(-) 200 °C to 800 °C	0.48 °C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S- Type Thermocouple	Using Universal calibrator by Direct method	150 °C to 1750 °C	1.02 °C
55	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 400 °C	0.66 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	11 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
56	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B- Type Thermocouple	Using Universal Calibrator by Direct method	600 °C to 1800 °C	0.78 °C
57	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 1000 °C	0.44 °C
58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 1200 °C	0.75 °C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 1370 °C	0.82 °C
60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 1300 °C	0.59 °C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R- Type Thermocouple	Using Universal Calibrator by Direct method	10 °C to 1750 °C	0.89 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	12 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
62	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT-100) Type	Using Universal Calibrator by Direct method	(-) 200 °C to 800 °C	0.49 °C
63	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S- Type Thermocouple	Using Universal Calibrator by Direct method	10 °C to 1750 °C	0.99 °C
64	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 400 °C	0.82 °C
65	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Analog/Digital Stop Watch, Digital Timer	Using Time Calibrator by Direct / Comparison method	10 minute to 1 hr	0.65 s to 0.87 s
66	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Digital/Analog Stop Watch, Digital Timer	Using Time Calibrator by Direct / Comparison method	2 s to 10 minute	0.16 s to 0.65 s
67	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Digital/Analogue Stop Watch, Digital Timer	Using Time Calibrator by Direct / Comparison method	1 hr to 6 hr	0.87 s to 4.98 s

SCOPE OF ACCREDITATION

Laboratory Name : IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-4404 **Page No** 13 of 80

Validity 16/05/2025 to 03/01/2029 **Last Amended on** 10/10/2025

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)(±)
68	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Digital/Analogue Stop Watch, Digital Timer	Using Time Calibrator by Direct / Comparison method	6 hr to 24 hr	4.98 s to 11.06 s
69	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Universal Calibrator by Direct method	45 Hz to 1 kHz	0.13 % to 0.03 %
70	MECHANICAL-ACCELERATION AND SPEED	Tachometer / RPM Meter - Contact Type	Using Digital Tachometer & Tachometer Calibrator by Comparison method	10 rpm to 1000 rpm	0.57 rpm
71	MECHANICAL-ACCELERATION AND SPEED	Tachometer / RPM Meter - Contact Type	Using Digital Tachometer & Tachometer Calibrator by Comparison method	1000 rpm to 5000 rpm	2.2 rpm
72	MECHANICAL-ACCELERATION AND SPEED	Tachometer / RPM Meter / Indicator - Non Contact Type	Using Digital Tachometer & Tachometer Calibrator by Comparison method	10 rpm to 1000 rpm	0.66 rpm
73	MECHANICAL-ACCELERATION AND SPEED	Tachometer/RPM Meter/ Indicator/Stroboscope - Non Contact Type	Using Digital Tachometer & Tachometer Calibrator by Comparison method	1000 rpm to 10000 rpm	2.2 rpm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	14 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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-ACCELERATION AND SPEED	Tachometer/RPM Meter/ Indicator/Stroboscope - Non Contact Type	Using Digital Tachometer & Tachometer Calibrator by Comparison method	10000 rpm to 99900 rpm	9 rpm
75	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter Acceleration (10 Hz to 320 Hz)	Using Vibration meter and Vibration Source By Comparison Method	1 m/s^2 to 100 m/s^2	12.5 % to 8.20 %
76	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter Displacement (10 Hz to 80 Hz)	Using Vibration meter and Vibration Source By Comparison Method	0.05 mm to 1 mm	9.54 % to 9.11 %
77	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter Velocity (10 Hz to 320 Hz)	Using Vibration meter and Vibration Source By Comparison Method	1 mm/s to 55 mm/s	13.15 % to 9.15 %
78	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct method	114 dB	0.56 dB
79	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct method	94	0.56 dB

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	15 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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-DENSITY AND VISCOSITY	Density Hydrometer, Twaddle Hydrometer, Baume Hydrometer, Specific Gravity Hydrometer, Brix Hydrometer, Lactometer, Alcoholmeter	Using Weighing balance (Readability: 1 mg) with underside weighing arrangement and Distilled water, Hydrostatic Method	0.6 g/ml to 2 g/ml	0.003 g/ml
81	MECHANICAL-DENSITY AND VISCOSITY	Flow Cup /Ford Cup / Zahn Cup / DIN Cup	Using Certified Viscosity Standard as per ASTM D 1200 & IS 3944 by direct method	16.93 cSt to 1026.7 cSt	2.29 %
82	MECHANICAL-DENSITY AND VISCOSITY	Rotational Viscometer	Using Certified Viscosity Standard by direct method	14.24 cP to 104493 cP	1.71 %
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bench Centre (Coaxiality and Parallelism of Centres Axis)	Using Surface Plate, Cylindrical Mandrel and Dial Indicator (L.C.: 1 µm) and better by Comparison Method	Up to 300 mm	9.20 µm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor / Degree Protractor (L.C.: 5.0 minute)	Using Angle Gauge Block Set By Comparison Method	0°- 90°- 0°	3.93 minute of arc

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	16 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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.)	Bore Gauge (LC 0.001 mm) (Only Transmission Error)	Using Universal Length Measuring Machine By Comparison Method	0 to 1 mm	1.25 µm
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge - Transmission Error (L.C.: 0.001 mm)	Using Dial Calibration Tester By Comparison Method	0 to 1 mm	2.10 µm
87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (LC 0.01 mm)	Using Caliper Checker, Grade '0' Gauge Block Set and Long Slip Gauges, Slip Gauge Accessories By Comparison Method	0 to 600 mm	14.40 µm
88	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Caliper Checker, Grade '0' Gauge Block Set and Long Slip Gauges, Slip Gauge Accessories By Comparison Method	0 to 1000 mm	17.50 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	17 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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.)	Caliper - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Caliper Checker, Grade 0 Slip Gauge Set & Long Slip, Slip Gauge Accessories by Comparison method	0 to 300 mm	11.72 µm
90	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 0.0001 mm)	Using Thickness (Master) Foils by Comparison method	0 to 100 µm to	6.00 µm
91	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 0.001 mm)	Using Thickness (Master) Foils by Comparison method	0 to 2000 µm	10.00 µm
92	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set (L.C.: 1°)	Using Angle Gauge Block Set by Comparison Method	0°- 180°	40 minute of arc
93	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Comparator Stand - Flatness	Using Digital Plunger Dial Gauge (L.C.: 0.1 µm) by Comparison method	300 mm X 300 mm to	2.32 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	18 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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.)	Comparator Stand with Dial (For Cosine Error)	Using Digital Plunger Dial Gauge (L.C.: 0.1 µm), Grade 0 Slip Gauge Set by Comparison method	For 25 mm Span Height of comparator stand size 300 mm X 300 mm	1.15 µm
95	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Setting Master / Parallel Mandrel / Cylindrical Mandrel (Variation in Diameter / Total Runout)	Using Grade 0 Slip Gauge Set, Universal Length Measuring Machine, Comparator Stand, Surface Plate and Dial Indicator (L.C.: 0.0001 mm) and better by Comparison Method	Up to 100 mm	2.10 µm
96	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Deep Rod	Using Tape & Scale Measuring Machine by Comparison Method	0 to 3000 mm	231 x Sqrt (L) µm, L in m
97	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Deep Scale	Using Tape & Scale Measuring Machine by Comparison Method	0 to 10000 mm	231 x Sqrt (L) µm, L in m

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	19 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
98	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Degree Protractor (Digital Type) / Inclinometer / Digital Level and Protractor (L.C.: 0.05°)	Using Angle Gauge Block Set by Comparison Method	0°- 90° - 0°	3.53 minute of arc
99	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Gauge (Dial Type) / Dial Depth Gauge (L.C.: 0.001 mm)	Using Gauge Block Set Grade 0 and long slip gauges, Surface Plate by Comparison method	0 to 300 mm	6.53 µm
100	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C.: 0.001 mm)	Using Gauge Block Set Grade '0' , Surface Plate by Comparison method	0 to 300 mm	6.53 µm
101	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Vernier Gauge (L.C.: 0.01 mm)	Using Gauge Blocks Grade '0' , Surface Plate by Comparison method	0 to 300 mm	12.63 µm
102	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Calibration Tester / Floating Carriage Drum Micrometer / Micrometer Head (L.C.: 0.0002 mm)	Using Digital Plunger Dial Gauge (L.C.: 0.1 µm), Grade 0 Gauge Block Set by Comparison method	0 to 25 mm	1.80 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	20 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
103	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Electronic Probe / Micrometer Head with DRO or Display Unit (L.C.: 0.0001 mm)	Using Gauge Block Set Grade '0' by Comparison method	0 to 25 mm	1.25 µm
104	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Electronic Probe / Micrometer Head with DRO or Display Unit (L.C.: 0.0001 mm)	Using Grade '0' Gauge Block Set and Comparator Stand By Comparison Method	0 to 100 mm	1.25 µm
105	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineers Parallel - Parallelism	Using Surface Plate and Dial Indicator (L.C.: 0.001 mm) and better by Comparison Method	Up to 375 mm length & Up to 300 mm Height	5.00 µm
106	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Gauge Block Set, Long Slip Gauges (Grade '0'), Optical Flat by Comparison method	0 to 150 mm	3.00 µm
107	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Gauge Block Set (Grade 0), Optical Flat by Comparison method	0 to 25 mm	1.00 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	21 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
108	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Gauge Block Set, Long Slip Gauges (Grade '0'), Optical Flat by Comparison method	150 mm to 300 mm	5.00 µm
109	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Gauge Block Set, Long Slip Gauges (Grade '0'), Optical Flat by Comparison method	300 mm to 1000 mm	8.00 µm
110	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge / Shim	Using Digital Plunger Dial Gauge (L.C.: 0.1 µm) & Comparator Stand / Universal Length Measuring Machine by Comparison Method	0.01 mm to 2 mm	1.50 µm
111	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Hegman Gauge / Step Master - Depth	Using Digital Plunger Dial Gauge (L.C.: 0.1 µm), Surface Plate by Comparison Method	0 to 100 µm	2.75 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	22 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
112	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital / Electronic (For Squareness) Including 2D (L.C.: 0.0001 mm)	Using Cylindrical Mandrel (Square Master), Dial Indicator (L.C.: 0.001 mm) and better, Surface Plate by Comparison Method	0 to 600 mm	21.38 µm
113	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital / Electronic (L.C.: 0.0001 mm)	Using Caliper Checker, Grade 0 Long Slip Gauges, Surface Plate by Comparison Method	0 to 600 mm	8.00 µm
114	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Caliper - Digital / Dial (L.C.: 0.01 mm)	Using Grade '0' Gauge Block Set, With Slip Gauge Accessories, External Micrometer (L.C.: 1 µm) and better by Comparison Method	5 mm to 165 mm	10.00 µm
115	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Caliper - Digital/ Dial (L.C.: 0.1 mm)	Using Grade '0' Gauge Block Set, With Slip Gauge Accessories, External Micrometer (L.C.: 1 µm) and better by Comparison Method	5 mm to 216 mm	57.97 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	23 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer - Caliper Type (L.C.: 0.001 mm)	Using Gauge Block Set Grade 0, With Slip Gauge Accessories by Comparison Method	3 mm to 100 mm	3.00 µm
117	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer - Stick Type (L.C.: 0.01 mm)	Using Gauge Block Set Grade 0, Digital Plunger Gauge (L.C.: 0.1 µm), Surface Plate by Comparison Method	0 to 1000 mm	10.00 µm
118	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Counter Machine - Analogue (L.C.: 1000 mm and coarser)	Using Tape & Scale Measuring Machine by Comparison Method	0 to 99999 mm	120 x Sqrt (L) µm, L in m
119	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Length Counter Machine - Digital (L.C.: 10 mm and coarser)	Using Tape & Scale Measuring Machine by Comparison Method	0 to 99999 mm	120 x Sqrt (L) µm, L in m
120	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Indicator / Lever Type Dial Gauge / Dial Indicator Gauge - Lever Type (L.C.: 0.001 mm)	Using Universal Length Measuring Machine by Comparison Method	0 to 1 mm	1.25 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	24 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
121	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Indicator / Lever Type Dial Gauge / Dial Indicator Gauge - Lever Type (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 1 mm	2.04 µm
122	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Indicator / Lever Type Dial Gauge / Dial Indicator Gauge - Lever Type (L.C.: 0.01 mm)	Using Universal Length Measuring Machine by Comparison Method	0 to 1.6 mm	3.10 µm
123	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Indicator / Lever Type Dial Gauge / Dial Indicator Gauge - Lever Type (L.C.: 0.01 mm)	Using Dial Calibration Tester by Comparison Method	0 to 1.6 mm	3.52 µm
124	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	LVDT / Digital Probe / Digital Plunger Dial Indicator (L.C.: 0.0001 mm)	Using Gauge Block Set Grade '0', Comparator Stand by Comparison Method	0 to 25 mm	1.21 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	25 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Pin Gauge / Measuring Cylindrical Pins	Using Universal Length Measuring Machine, Digital Plunger Dial Gauge (L.C.: 0.1 µm), Gauge Block Set Grade '0' & Comparator Stand by Comparison Method	0 to 20 mm	1.40 µm
126	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale / Stiffness Scale / Shrinkage Scale / Shrinkage Template (L.C.: 0.5 mm and coarser)	Using Tape & Scale Measuring Machine by Comparison Method	0 to 2000 mm	231 x Sqrt(L) µm, L in m
127	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape (L.C.: 1 mm)	Using Tape & Scale Measuring Machine by Comparison Method	0 to 100000 mm	120 X sqrt(L) µm, where L in m
128	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Gauge Blocks Grade '0' & Long Slip Gauges, Digital Plunger Gauge (L.C.: 0.1 µm), Comparator Stand, Surface Plate by Comparison Method	150 mm to 300 mm	3.04 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	26 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
129	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Gauge Blocks Grade '0' & Long Slip Gauges, Digital Plunger Gauge (L.C.: 0.1 µm), Comparator Stand, Surface Plate by Comparison Method	25 mm to 150 mm	1.85 µm
130	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Gauge Blocks Grade '0' & Long Slip Gauges, Digital Plunger Gauge (L.C.: 0.1 µm), Comparator Stand, Surface Plate by Comparison Method	300 mm to 500 mm	4.73 µm
131	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Gauge Blocks Grade '0' & Long Slip Gauges, Digital Plunger Gauge (L.C.: 0.1 µm), Comparator Stand, Surface Plate by Comparison Method	500 mm to 800 mm	6.71 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	27 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
132	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Gauge Blocks Grade '0' & Long Slip Gauges, Digital Plunger Gauge (L.C.: 0.1 µm), Comparator Stand, Surface Plate by Comparison Method	800 mm to 1000 mm	8.13 µm
133	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pie Tape (L.C.: 0.1 mm)	Using Tape & Scale Measuring Machine by Comparison Method	0 to 50000 mm	120xSqrt (L)µm, L in m
134	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper / Outside Dial Caliper (L.C.: 0.01 mm)	Using Gauge Block Set Grade '0' by Comparison Method	0 to 50 mm	6.00 µm
135	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper / Outside Dial Caliper (L.C.: 0.1 mm)	Using Gauge Block Set Grade '0' by Comparison Method	0 to 150 mm	55.83 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	28 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
136	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge / Width Gauge / Height Block / OD Master / Setting Disc / GSM Cutter OD	Using Universal Length Measuring Machine by Comparison method	100 mm to 225 mm	4.3 µm
137	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge / Width Gauge / Height Block / OD Master / Setting Disc / GSM Cutter OD / Crock meter Finger OD	Using Universal Length Measuring Machine by Comparison method	0 to 100 mm	2.10 µm
138	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge / Master Ring / Setting Ring	Using Universal Length Measuring Machine by Comparison Method	0 to 100 mm	2.99 µm
139	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge / Master Ring / Setting Ring	Using Universal Length Measuring Machine by Comparison Method	100 mm to 225 mm	4.00 µm
140	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Indicator / Plunger Dial Gauge / Dial Gauge Indicator - Plunger Type (L.C. 0.001 mm)	Using Universal Length Measuring Machine by Comparison Method	0 to 25 mm	1.21 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	29 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
141	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Indicator / Plunger Dial Gauge / Dial Gauge Indicator - Plunger Type (L.C.: 0.0001 mm)	Using Grade 0 Slip Gauge Block Set and Comparator Stand by Comparison Method	0 to 25 mm	1.21 µm
142	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Indicator / Plunger Dial Gauge / Dial Gauge Indicator - Plunger Type (L.C.: 0.001 mm)	Using Grade 0 Slip Gauge Block Set & Comparator Stand by Comparison Method	0 to 25 mm	1.40 µm
143	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Indicator / Plunger Dial Gauge / Dial Gauge Indicator - Plunger Type (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 25 mm	2.05 µm
144	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Indicator / Plunger Dial Gauge / Dial Gauge Indicator - Plunger Type (L.C.: 0.01 mm)	Using Universal Length Measuring Machine by Comparison Method	0 to 100 mm	5.00 µm
145	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Indicator / Plunger Dial Gauge / Dial Gauge Indicator - Plunger Type (L.C.: 0.01 mm)	Using Gauge Block Set Grade '0' & Comparator Stand by Comparison method	0 to 100 mm	7.13 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	30 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
146	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Indicator / Plunger Dial Gauge / Dial Gauge Indicator - Plunger Type (L.C.: 0.01 mm)	Using Universal Length Measuring Machine by Comparison Method	0 to 50 mm	3.05 µm
147	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Indicator / Plunger Dial Gauge / Dial Gauge Indicator - Plunger Type (L.C.: 0.01 mm)	Using Gauge Block Set Grade '0' & Comparator Stand by Comparison method	0 to 50 mm	7.13 µm
148	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Grade '0' Gauge Block Set by Comparison Method	0 to 200 mm	2.00 µm
149	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Standard Foils	Using Digital Plunger Dial Gauge (L.C.: 0.1 µm), Surface Plate, Grade '0' Gauge Block Set and Comparator Stand, Universal Length Measuring Machine by Comparison Method	Up to 5 mm	1.97 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	31 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
150	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge - Parallelism	Using Surface Plate and Dial Indicator (L.C.: 0.001 mm and finer) by Comparison Method	Up to 1000 mm	9.96 µm
151	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge - Straightness	Using Surface Plate and Dial Indicator (L.C.: 0.001 mm and finer) by Comparison Method	Up to 1000 mm	9.96 µm
152	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate	Using Precision Spirit level by Comparison method	3000 mm x 3000 mm	3.8 X sqrt {(L+W)/ 125} µm, where L & W in mm
153	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Slot Gauge - Depth (L.C.: 0.01 mm and coarser)	Using Digital Plunger Dial Gauge (L.C.: 0.1 µm), Surface Plate by Comparison Method	0 to 40 mm	2.80 µm
154	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Digital Vernier Caliper by Comparison Method	4 mm to 125 mm	20.48 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	32 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
155	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge - Digital / Dial (L.C.: 0.001 mm)	Using Gauge Block Set Grade '0' by Comparison method	0 to 25 mm	1.50 µm
156	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge - Digital /Dial (L.C.: 0.01 mm)	Using Gauge Block Set Grade '0' by Comparison method	0 to 100 mm	5.59 µm
157	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge	Using Universal Length Measuring Machine by Comparison Method	0 to 100 mm	2.49 µm
158	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge	Using Universal Length Measuring Machine by Comparison Method	0 to 100 mm	2.99 µm
159	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge (L.C.: 0.01 mm)	Using Gauge Block Set Grade '0' by Comparison Method	Up to 300 mm	8.79 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	33 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
160	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Parallelism, Symmetry)	Using Cylindrical Mandrel and Dial Indicator (L.C.: 0.001 mm) and better by Comparison Method	Up to 150 mm	6.00 µm
161	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Squareness)	Using Cylindrical Mandrel and Dial Indicator (L.C.: 0.001 mm) and better by Comparison Method	Up to 150 mm	7.00 µm
162	MECHANICAL-DUROMETER	Rubber Hardness Tester / Durometer for Indentation Depth (0 to 2.5 mm) Shore D	Using Dial Calibration Tester as per ASTM D 2240	0 to 100 Shore	0.98 Shore
163	MECHANICAL-DUROMETER	Rubber Hardness Tester/ Durometer for Indentation Depth (0 to 2.5 mm) Shore A, Package Hardness Tester	Using Dial Calibration Tester as per ASTM D 2240	0 to 100 Shore	0.98 Shore
164	MECHANICAL-MOBILE FORCE MEASURING SYSTEM	Force Gauge / Push-Pull Gauge (Push and Pull mode)	Using Slotted Newton weights (0 to 500) N with different loading frames as per VDI/VDE2624	1 N to 500 N	0.3 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	34 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
165	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analogue Pressure Gauge / Indicator, Compound Gauge, Pressure Transmitter with indicator, Pressure Transducer, Pressure Switch, Differential Pressure Gauge / Indicators (Pneumatic Pressure)	Using Digital Pressure Gauge with Pressure Comparator / Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 5 bar	0.008 bar
166	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analogue Pressure Gauges, Indicator, Manometer, Magnahelic Gauge, Differential Pressure Transmitter with indicator (Pneumatic Pressure), Pressure Switches, Compound Gauge (Pneumatic Pressure	Using Digital Pressure Calibrator with Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 200 mbar	0.26 mbar

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	35 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
167	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analogue Vacuum Gauge / Indicator, Compound Gauge, Vacuum Transmitter / Pressure Switch, Differential Pressure Gauge/Indicators (Pneumatic Pressure)	Using Digital Vacuum Gauge & Vacuum Hand Pump by Comparison method as per DKD R 6-1	(-) 0.95 bar to 0 bar	0.0078 bar
168	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Pressure / Analogue Pressure Gauge / Indicator, Pressure Transmitter with indicator, Transducer, Compound Gauge, Manometer Gauge Pressure Switches (Pneumatic Pressure)	Using Digital Pressure Gauge with Pressure Comparator / Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 35 bar	0.043 bar
169	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Pressure / Analogue Pressure Gauge / Indicator, Pressure Transmitter/Transducer with indicator, Pressure Switches (Hydraulic Pressure)	Using Digital Pressure Gauge with Pressure Comparator / Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 1000 bar	3.26 bar

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	36 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
170	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Pressure / Analogue Pressure Gauge / Indicator, Pressure Transmitter/Transducer with indicator, Pressure Switches (Hydraulic Pressure)	Using Digital Pressure Gauge With Pressure Comparator / Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 200 bar	0.23 bar
171	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Pressure Indicator, Manometer, Magnahelic Gauge, Compound Gauge, Pressure Transmitter with indicator, Pressure Switches, Differential Pressure Gauges /Indicators - (Pneumatic Pressure)	Using Digital Pressure Calibrator with Hand Pressure Pump by Comparison Method as per DKD R 6-1	0 to 20 mbar	0.039 mbar
172	MECHANICAL-VOLUME	Micro-pipette /Dispenser/Syringe (Non Medical Purposes)	Using Precision balance (d = 0.01 mg) & Distilled water By Gravimetric Method based on ISO 8655 -6:2022	>100 µl to 500 µl	0.4 µl

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	37 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
173	MECHANICAL-VOLUME	Micro-pipette /Dispenser/Syringe (Non Medical Purposes)	Using Precision balance (d = 0.01 mg) & Distilled water By Gravimetric Method based on ISO 8655 -6:2022	>1000 µl to 10000 µl	3.75 µl
174	MECHANICAL-VOLUME	Micro-pipette /Dispenser/Syringe (Non Medical Purposes)	Using Precision balance (d = 0.01 mg) & Distilled water By Gravimetric Method based on ISO 8655 -6:2022	>500 µl to 1000 µl	2 µl
175	MECHANICAL-VOLUME	Micro-pipette /Dispenser/Syringe (Non Medical Purposes)	Using Precision Balance (d = 0.01 mg) & Distilled water By Gravimetric Method based on ISO 8655 -6:2022	20 µl to 100 µl	0.4 µl
176	MECHANICAL-VOLUME	Volumetric Glassware :Pipette/Burette/Measuring Cylinder/ Volumetric Flask/Sp. Gravity Bottle/ Pycnometer Bottle etc.	Using Precision Balance (d= 0.01 mg, 82g & d= 0.1 mg, 220g) & Distilled water By Gravimetric Method based on ISO 4787:2021	1 ml to 10 ml	0.017 ml

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	38 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
177	MECHANICAL-VOLUME	Volumetric Glassware :Pipette/Burette/Measuring Cylinder/ Volumetric Flask/Sp. Gravity Bottle/Pycnometer Bottle etc.	Using Precision Balance (d= 0.01 mg, 82g & d= 0.1 mg, 220g) & Distilled water By Gravimetric Method based on ISO 4787:2021	>10 ml to 100 ml	0.03 ml
178	MECHANICAL-VOLUME	Volumetric Glassware :Pipette/Burette/Measuring Cylinder/ Volumetric Flask/Sp. Gravity Bottle/Pycnometer Bottle etc.	Using Precision Balance (d= 0.1 mg, 220 g & d= 1 mg, 1000 g) & Distilled water By Gravimetric Method. based on ISO 4787:2021	>100 ml to 500 ml	0.19 ml
179	MECHANICAL-VOLUME	Volumetric Glassware :Pipette/Burette/Measuring Cylinder/ Volumetric Flask/Sp. Gravity Bottle/Pycnometer Bottle etc.	Using Precision Balance (d= 1 mg, 1000 g & d = 10 mg, 5000 g) & Distilled water By Gravimetric Method bsed on ISO 4787:2021	>500 ml to 2500 ml	0.9 ml

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	39 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
180	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	1 g	0.02 mg
181	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E 1 Class Weights & Precision balance (Readability: 0.001 g) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	1 kg	1.1 mg
182	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	10 g	0.03 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	40 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
183	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E 1 Class Weights & 220 g Precision balance (Readability: 0.1 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	100 g	0.10 mg
184	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	100 mg	0.013 mg
185	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	2 g	0.02 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	41 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
186	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	20 g	0.03 mg
187	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	20 mg	0.01 mg
188	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights & 220 g Precision balance (Readability: 0.1 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	200 g	0.12 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	42 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
189	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	200 mg	0.02 mg
190	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	5 g	0.02 mg
191	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	50 g	0.03 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	43 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
192	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	50 mg	0.013 mg
193	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	500 mg	0.02 mg
194	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E1 Class Weights & Precision balance (82g) of Readability 0.01 mg by Substitution method ABBA Weighing Cycle As per OIML R-111-1	1 mg	0.01 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	44 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
195	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	10 mg	0.01 mg
196	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E1 Class Weights & Precision balance (82g) of Readability 0.01 mg by Substitution method ABBA Weighing Cycle As per OIML R-111-1	2 mg	0.01 mg
197	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using F1 Class Weights & Precision Balance (Readability: 0.01 g) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	5 kg	11 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	45 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
198	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E1 Class Weights & Precision balance (82g) of Readability 0.01 mg by Substitution method ABBA Weighing Cycle As per OIML R-111-1	5 mg	0.01 mg
199	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	5 mg	0.02 mg
200	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E1 Class Weights & Precision balance (Readability: 0.001 g) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	500 g	2.03 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	46 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
201	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	1 mg	0.05 mg
202	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F1 Class Weights & Precision balance (Readability: 0.1 g) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	10 kg	107.52 mg
203	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	10 mg	0.05 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	47 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
204	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using E1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	100 mg	0.013 mg
205	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F1 Class Weights & Precision Balance (Readability: 0.01 g) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	2 kg	20.03 mg
206	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	2 mg	0.031 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	48 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
207	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F1 Class Weights & Precision balance (Readability: 0.1 g) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	20 kg	107.7 mg
208	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	20 mg	0.08 mg
209	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using E 1 Class Weights & 82 g Precision balance (Readability: 0.01 mg) by Substitution method ABBA Weighing Cycle As per OIML R 111-1	50 mg	0.06 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	49 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
210	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity /Temperature Sensor with Indicator, Humidity/Temperature Transmitter/Transducer with sensor, Thermo Hygrometers, Temperature/Humidity Data Logger with Sensor or Inbuilt sensor, USB data logger	Using RH Generator, RH & Temp. Probe & PRT Sensor with Indicator by Comparison method	10 °C to 50 °C @ 50 %rh	0.51 °C
211	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity /Temperature Sensor with Indicator, Humidity/Temperature Transmitter/Transducer with sensor, Thermo Hygrometers, Temperature/Humidity Data Logger with Sensor or Inbuilt sensor, USB data logger	Using RH Generator & RH & Temperature Probe with Indicator by Comparison method	25 % rh to 95 % rh @ 25 °C	1.15 % rh

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	50 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
212	THERMAL-TEMPERATURE	Infrared / Non-Contact Thermometers / Pyrometer / Thermal Imager	Using Standard IR Thermometer with Black Body source by Comparison Method (Emissivity = 0.95)	(-) 15 °C to 50 °C	2 °C
213	THERMAL-TEMPERATURE	Infrared / Non-Contact Thermometers / Pyrometer / Thermal Imager	Using Standard IR Thermometer with Black Body source by Comparison Method (Emissivity = 0.95)	50 °C to 500 °C	2.5 °C
214	THERMAL-TEMPERATURE	Liquid in Glass Thermometers (Dial / Digital)	Using PRT with indicator and Liquid Bath by Comparison Method	(-) 50 °C to 30 °C	0.45 °C
215	THERMAL-TEMPERATURE	Liquid in Glass Thermometers (Dial / Digital)	Using PRT with indicator and Liquid Bath by Comparison Method	30 °C to 250 °C	0.43 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	51 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
216	THERMAL-TEMPERATURE	RTD /Thermocouple/Tem pe rature Sensor with or without Indicator, Temperature Gauge, Temperature Switch, Temperature Transmitter, Thermostat, Temperature Data Logger/Recorder with Sensor	Using PRT with Indicator, 7½ Digit Multimeter, Liquid Bath by Comparison method	(-) 50 °C to 250 °C	0.45 °C
217	THERMAL-TEMPERATURE	RTD / Thermocouple/Temp erature Sensor with or without Indicator, Temperature Gauge, Temperature Switch, Temperature Transmitter, Thermostat, Temperature Data Logger/Recorder with Sensor	Using PRT with Indicator & 7½ Digital Multimeter, Liquid Bath by Comparison method	250 °C to 400 °C	0.53 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	52 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
218	THERMAL-TEMPERATURE	Temperature sensor or thermocouple with/ without indicator, Temperature & RH data logger, Temperature & RH data logger with and without Indicator, Thermohygrometer, Data logger with inbuilt sensor.	Using Temperature Chamber, PRT with Indicator by comparison method.	(-) 30 °C to 50 °C	0.43 °C
219	THERMAL-TEMPERATURE	Thermocouple/ Temperature Sensor with or without Indicator, Temperature Gauge, Temperature Switch, Temperature Transmitter with Indicator, Thermostat With Indicator, Temperature Data Logger/ Recorder with Sensor	Using R Type with Indicator & 7½ Digital multimeter, Dry bath by Comparison method	400 °C to 600 °C	1.38 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	53 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
220	THERMAL-TEMPERATURE	Thermocouple/ Temperature Sensor with or without Indicator, Temperature Gauge, Temperature Switch, Temperature Transmitter with Indicator, Thermostat with Indicator, Temperature Data Logger/ Recorder with Sensor	Using R Type Thermocouple with Indicator & 7½ Digital Multimeter, Dry Bath by Comparison method	600 °C to 1000 °C	2.13 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	54 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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 to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	100 µA to 100 mA	0.78 % to 0.17 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	100 µA to 100 mA	0.84 % to 0.17 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	100 mA to 10 A	0.17 % to 0.25 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	100 mA to 10 A	0.17 % to 1.17 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	55 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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 Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	30 µA to 100 µA	0.81 % to 0.78 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	30 µA to 100 µA	1.88 % to 0.84 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with Digital Multimeter by Direct method	1 kV to 40 kV	3.96 % to 3.61 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	1 mV to 100 mV	2.48 % to 0.082 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	1 mV to 100 mV	2.5 % to 0.09 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	56 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter & MFC by Comparision Method	100 mV to 750 V	0.082 % to 0.078 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 7½ Digit Multimeter by Direct Method	100 mV to 750 V	0.09 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR meter by Direct method	100 pF to 1000 nF	1.55 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	DC Current	Using 7½ Digit Multimeter by Direct Method	100 mA to 10 A	0.04 % to 0.16 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	DC High Voltage @ 50 Hz	Using High Voltage Probe with Digital Multimeter by Direct method	1 kV to 40 kV	5.26 % to 3.69 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	57 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	DC Voltage	Using 7½ Digit Multimeter by Direct Method	1 mV to 100 mV	0.43 % to 0.12 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	DC Voltage	Using 7½ Digit Multimeter by Direct Method	100 mV to 1000 V	0.12 % to 0.006 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Coil by Direct method	10 A to 1000 A	2.1 % to 1.23 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator by Direct method	100 mA to 10 A	0.26 % to 0.31 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator by Direct method	200 µA to 100 mA	1.12 % to 0.26 %

SCOPE OF ACCREDITATION

Laboratory Name : IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-4404 **Page No** 58 of 80

Validity 16/05/2025 to 03/01/2029 **Last Amended on** 10/10/2025

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)(±)
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Digital Multifunction Calibrator by Direct method	100 mV to 1000 V	0.24 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Digital Multifunction Calibrator by Direct method	5 mV to 100 mV	1.87 % to 0.24 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Capacitance Decade Box by Direct method	1 nF to 100 µF	1.32 % to 1.26 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct method	100 µH to 1 H	1.16 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter by Direct Method	10 µA to 100 µA	0.73 % to 0.25 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter & MFC by Comparision Method	10 µA to 100 µA	0.88 % to 0.25 %

SCOPE OF ACCREDITATION

Laboratory Name : IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-4404 **Page No** 59 of 80

Validity 16/05/2025 to 03/01/2029 **Last Amended on** 10/10/2025

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)(±)
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter & MFC by Comparision Method	100 µA to 100 mA	0.25 % to 0.04 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter by Direct Method	100 µA to 100 mA	0.25 % to 0.064 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 7½ Digit Multimeter & MFC by Comparision Method	100 mA to 10 A	0.04 % to 0.16 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 7½ Digit Multimeter & MFC by Comparision Method	1 mV to 100 mV	0.43 % to 0.12 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 7½ Digit Multimeter & MFC by Comparision Method	100 mV to 1000 V	0.12 % to 0.02 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire / 4 Wire)	Using 7½ Digit Multimeter by Direct Method	1 KOhm to 10 KOhm	0.053 % to 0.085 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	60 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire / 4 Wire)	Using 7½ Digit Multimeter by Direct Method	100 ohm to 1 kohm	0.03 % to 0.053 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 7½ Digit Multimeter by Direct Method	1 Mohm to 100 Mohm	0.034 % to 0.46 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 7½ Digit Multimeter by Direct Method	10 Kohm to 1 Mohm	0.085 % to 0.033 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 7½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	0.48 % to 0.025 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Conductivity Meter - Simulation Method (10 µS to 500 µS)	Using Conductivity Simulator by Direct Method	2 kohm to 100 kohm	0.43 % to 0.65 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator, 100 Turn Current Coil by Direct method	10 A to 1000 A	1.9 % to 1.0 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	61 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct method	100 mA to 10 A	0.14 % to 0.24 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct method	200 µA to 100 mA	0.12 % to 0.14 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator by Direct method	1 mV to 100 mV	1.66 % to 0.16 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator by Direct method	100 mV to 1000 V	0.16 % to 0.13 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	pH Meter - Simulation Method (0 to 14 pH)	Using pH Simulator by Direct Method	-400 mV to 400 mV	2.11 % to 0.24 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct method	1 ohm to 100 kohm	1.18 % to 0.17 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	62 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct method	100 kohm to 100 Mohm	0.17 % to 2.34 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct method	1 ohm to 100 kohm	1.18 % to 0.17 %
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B- Type Thermocouple	Using Universal calibrator by Direct method	600 °C to 1800 °C	1.1 °C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 1000 °C	0.56 °C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 1000 °C	0.75 °C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 1370 °C	0.83 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	63 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 1300 °C	0.50 °C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R- Type Thermocouple	Using Universal calibrator by Direct method	150 °C to 1750 °C	0.58 °C
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT-100) Type	Using Universal calibrator by Direct method	(-) 200 °C to 800 °C	0.48 °C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S- Type Thermocouple	Using Universal calibrator by Direct method	150 °C to 1750 °C	1.02 °C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T- Type Thermocouple	Using Universal calibrator by Direct method	(-) 200 °C to 400 °C	0.66 °C
55	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B- Type Thermocouple	Using Universal Calibrator by Direct method	600 °C to 1800 °C	0.78 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	64 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
56	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 1000 °C	0.44 °C
57	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 1200 °C	0.75 °C
58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 1370 °C	0.82 °C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 1300 °C	0.59 °C
60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R- Type Thermocouple	Using Universal Calibrator by Direct method	10 °C to 1750 °C	0.89 °C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT-100) Type	Using Universal Calibrator by Direct method	(-) 200 °C to 800 °C	0.49 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	65 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
62	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S- Type Thermocouple	Using Universal Calibrator by Direct method	10 °C to 1750 °C	0.99 °C
63	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T- Type Thermocouple	Using Universal Calibrator by Direct method	(-) 200 °C to 400 °C	0.82 °C
64	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Analog/Digital Stop Watch, Digital Timer	Using Time Calibrator by Direct / Comparison method	10 minute to 1 hr	0.65 s to 0.87 s
65	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Digital/Analog Stop Watch, Digital Timer	Using Time Calibrator by Direct / Comparison method	2 s to 10 minute	0.16 s to 0.65 s
66	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Digital/Analogue Stop Watch, Digital Timer	Using Time Calibrator by Direct / Comparison method	1 hr to 6 hr	0.87 s to 4.98 s
67	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Digital/Analogue Stop Watch, Digital Timer	Using Time Calibrator by Direct / Comparison method	6 hr to 24 hr	4.98 s to 11.06 s

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	66 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
68	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Universal Calibrator by Direct method	45 Hz to 1 kHz	0.13 % to 0.03 %
69	MECHANICAL-ACCELERATION AND SPEED	RPM Indicator / RPM Meter / Centrifuge / RPM Source	Using Digital Tachometer by Comparison method	10 rpm to 1000 rpm	0.66 rpm
70	MECHANICAL-ACCELERATION AND SPEED	RPM Indicator / RPM Meter / centrifuge / RPM source	Using Digital Tachometer by Comparison method	1000 rpm to 10000 rpm	2.19 rpm
71	MECHANICAL-ACCELERATION AND SPEED	RPM Indicator / RPM Meter / Centrifuge / RPM source	Using Digital Tachometer by Comparison method	10000 rpm to 99900 rpm	9 rpm
72	MECHANICAL-ACCELERATION AND SPEED	RPM Source - Contact mode	Using Digital Tachometer by Comparison method	10 rpm to 5000 rpm	0.74 rpm
73	MECHANICAL-ACCELERATION AND SPEED	RPM Source - Non Contact Mode	Using Digital Tachometer by Comparison method	10 rpm to 5000 rpm	2.0 rpm
74	MECHANICAL-DENSITY AND VISCOSITY	Rotational Viscometer	Using Certified Viscosity Standard by direct method	14.24 cP to 104493 cP	1.71 %
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bench Centre (Coaxiality and Parallelism of Centres Axis)	Using Surface Plate, Cylindrical Mandrel and Dial Indicator (L.C.: 1 µm) and better by Comparison Method	Up to 300 mm	9.20 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	67 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Brinell Hardness Tester - Indentation Measurement (L.C.: 0.01 mm)	Using Glass Scale as per IS 1500, ISO 6506-2 and ASTM E 10	0 to 7 mm to	0.84 %
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineers Parallel - Parallelism	Using Surface Plate and Dial Indicator (L.C.: 0.001 mm) and better by Comparison Method	Up to 375 mm length & Up to 300 mm Height	5.00 µm
78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital / Electronic (For Squareness) Including 2D (L.C.: 0.0001 mm)	Using Cylindrical Mandrel (Square Master), Dial Indicator (L.C.: 0.001 mm) and better, Surface Plate by Comparison Method	0 to 600 mm	21.38 µm
79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital / Electronic (L.C.: 0.0001 mm)	Using Caliper Checker, Grade 0 Long Slip Gauges, Surface Plate by Comparison Method	0 to 600 mm	8.00 µm
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Profile Projector / Video Measuring Machine - Angular (L.C.: 0.01 arc sec)	Using Standard Angular Gauge Block	0 ° to 360 °	2.82 min of arc

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	68 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Profile Projector / Video Measuring Machine / Microscope (Linear)	Using Linear Glass scale as per JIS B 7184	0 mm to 200 mm	8.46 µm
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Profile Projector / Video Measuring Machine / Microscope (Magnification)	Using Glass Scale & Eyepiece as per ASTM- E1951	1 X to 1000 X	1.89 %
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge - Parallelism	Using Surface Plate and Dial Indicator (L.C.: 0.001 mm and finer) by Comparison Method	Up to 1000 mm	9.96 µm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge - Straightness	Using Surface Plate and Dial Indicator (L.C.: 0.001 mm and finer) by Comparison Method	Up to 1000 mm	9.96 µm
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate	Using Precision Spirit level by Comparison method	3000 mm x 3000 mm	3.8 X sqrt {(L+W)/ 125} µm, where L & W in mm

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	69 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Parallelism, Symmetry)	Using Cylindrical Mandrel and Dial Indicator (L.C.: 0.001 mm) and better by Comparison Method	Up to 150 mm	6.00 µm
87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Squareness)	Using Cylindrical Mandrel and Dial Indicator (L.C.: 0.001 mm) and better by Comparison Method	Up to 150 mm	7.00 µm
88	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analogue Pressure Gauge / Indicator, Compound Gauge, Pressure Transmitter with indicator, Pressure Transducer, Pressure Switch, Differential Pressure Gauge / Indicators (Pneumatic Pressure)	Using Digital Pressure Gauge with Pressure Comparator / Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 5 bar	0.008 bar

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	70 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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-PRESSURE INDICATING DEVICES	Digital / Analogue Pressure Gauges, Indicator, Manometer, Magnahelic Gauge, Differential Pressure Transmitter with indicator (Pneumatic Pressure), Pressure Switches, Compound Gauge (Pneumatic Pressure	Using Digital Pressure Calibrator with Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 200 mbar	0.26 mbar
90	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analogue Vacuum Gauge / Indicator, Compound Gauge, Vacuum Transmitter / Pressure Switch, Differential Pressure Gauge/Indicators (Pneumatic Pressure)	Using Digital Vacuum Gauge & Vacuum Hand Pump by Comparison method as per DKD R 6-1	(-) 0.95 bar to 0 bar	0.0078 bar

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	71 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
91	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Pressure / Analogue Pressure Gauge / Indicator, Pressure Transmitter with indicator, Transducer, Compound Gauge, Manometer Gauge Pressure Switches (Pneumatic Pressure)	Using Digital Pressure Gauge with Pressure Comparator / Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 35 bar	0.043 bar
92	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Pressure / Analogue Pressure Gauge / Indicator, Pressure Transmitter/Transducer with indicator, Pressure Switches (Hydraulic Pressure)	Using Digital Pressure Gauge with Pressure Comparator / Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 1000 bar	3.26 bar
93	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Pressure / Analogue Pressure Gauge / Indicator, Pressure Transmitter/Transducer with indicator, Pressure Switches (Hydraulic Pressure)	Using Digital Pressure Gauge With Pressure Comparator / Hand Pressure Pump by Comparison method as per DKD R 6-1	0 to 200 bar	0.23 bar

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	72 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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-PRESSURE INDICATING DEVICES	Digital Pressure Indicator, Manometer, Magnahelic Gauge, Compound Gauge, Pressure Transmitter with indicator, Pressure Switches, Differential Pressure Gauges /Indicators - (Pneumatic Pressure)	Using Digital Pressure Calibrator with Hand Pressure Pump by Comparison Method as per DKD R 6-1	0 to 20 mbar	0.039 mbar
95	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification / Calibration of Speed of Material Testing Machine	Using Height Gauge, Stop Watch and Hygrometer As per ASTM E 2658 by Comparison method	0 to 300 mm/ minute	1.5 mm/ minute
96	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machine (Universal, Compression Testing Machines) Load testing machine - Compression Mode	Using Load cell with Indicator (Class 1) as per IS 1828 Part 1: 2022	5 N to 500 kN	0.5 %

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	73 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
97	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machine (Universal, Compression Testing Machines) Load testing machine - Compression Mode	Using Proving Ring as per IS 1828 Part 1: 2022	200 kN to 2000 kN	0.35 %
98	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Uniaxial Testing Machine (Universal, Tensile) TTM, Loadcell with Indicator, Load testing machine - Tension Mode	Using Load cell with Indicator (Class 1 and coarser) as per IS 1828 Part 1: 2022	5 N to 100 kN	0.5 %
99	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine - Class lll & Coarser (Readability: 10 g)	Using Weights of Accuracy Class F1 Procedure based on OIML R-76	0 to 100 kg	6.23 g
100	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine - Class I & Coarser (Readability: 10 mg)	Using Weights of Accuracy Class E1 & F1 Procedure based on OIML R-76	0 to 5 kg	11.53 mg
101	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine - Class lll & Coarser (Readability: 0.5 g)	Using Weights of Accuracy Class E1 & F1 Procedure based on OIML R-76	0 to 50 kg	1.67 g

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	74 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
102	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine Accuracy Class I & Coarser d = 0.1 mg	Using Weights of Accuracy Class E1 Procedure based on OIML R-76-1	1 mg to 220 g	0.2 mg to 0.2 mg
103	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine - Class I & Coarser (Readability: 0.001 mg)	Using Weights of Accuracy Class E1 Procedure based on OIML R-76	1 mg to 5 g	0.02 mg
104	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine - Class I & Coarser (Readability: 0.01 mg)	Using Weights of Accuracy Class E1 Procedure based on OIML R-76	1 mg to 82 g	0.083 mg
105	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine - Class I & Coarser (Readability: 0.1 mg)	Using Weights of Accuracy Class E1 Procedure based on OIML R-76	1 mg to 220 g	2.96 mg
106	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine - Class III & Coarser (Readability: 20 g)	Using Weights of Accuracy Class F1 & M1 Procedure based on OIML R-76	0 to 200 kg	50 g
107	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine - Class III & Coarser (Readability: 50 g)	Using Weights of Accuracy Class F1 & M1 Procedure based on OIML R-76	0 to 500 kg	66.08 g
108	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Machine - Class II & Coarser (Readability: 1 mg)	Using Weights of Accuracy Class E1 Procedure based on OIML R-76	0 to 1 kg	3.07 mg

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	75 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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-WEIGHING SCALE AND BALANCE	Weighing Machine - Class II & Coarser (Readability: 100 mg)	Using Weights of Accuracy Class E1 & F1 Procedure based on OIML R-76	0 to 20 kg	248 mg
110	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with sensor of Humidity Chamber, Environmental Chamber, Stability Chamber, Conditioning Chamber, Humidity Calibrator/Generator	Using RH & Temperature Probe with Indicator Single Position Calibration by Comparison method	10 °C to 50 °C @ 50 %rh	0.58 °C
111	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with sensor of Humidity Chamber, Environmental Chamber, Stability Chamber, Conditioning Chamber, Humidity Calibrator/Generator, Breathability Tester (Single Position Calibration)	Using RH & Temp Probe with Indicator Single Position Calibration by Comparison method	20 % rh to 95 % rh @ 25 °C	1.14 % rh

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	76 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
112	THERMAL-TEMPERATURE	Autoclaves (Non-Medical Purpose only) at Multipositions calibration	Using Multipoint Data Logger and 3 wire RTD (PT-100) Sensors (Minimum 9 sensors) Multiposition Calibration by Comparison method	100 °C to 150 °C	1.2 °C
113	THERMAL-TEMPERATURE	Cooling chamber, Refrigerator, Deep Freezer, Freezer, cold room	Using Multipoint Data Logger and 3 wire RTD (PT-100) Sensors (Minimum 09 sensors) by Comparison method	(-) 30 °C to 25 °C	1.2 °C
114	THERMAL-TEMPERATURE	Dry Block, Furnace, Tunnel, Industrial Furnace	Using Data Logger with N Type Thermocouple (minimum 9 Sensor) by Multi-position Calibration Method	400 °C to 1000 °C	3.14 °C
115	THERMAL-TEMPERATURE	Humidity Calibrator, Generator, Environmental Chamber, Humidity Chamber, Storage Room, Cold room, Warehouse room, Control Storage Room, Humidifier	Multiposition Calibration Using Wireless Data Logger (minimum 09 sensors) by Comparison method	5 °C to 50 °C @ 50 % rh	1.4 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	77 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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	THERMAL-TEMPERATURE	Humidity Calibrator,Generator , Environmental Chamber, Humidity Chamber, Storage Room, Cold room, Warehouse room, Control Storage Room, Humidifier	Multiposition Calibration Using Wireless Data Logger (minimum 09 sensors) by Comparison method	25 % rh to 95 % rh @ 25 °C	3 % rh
117	THERMAL-TEMPERATURE	Indicator with sensor of Muffle Furnace (Single point Calibration)	Using R Type Thermocouple with Indicator by Comparison method	400 °C to 1190 °C	2.03 °C
118	THERMAL-TEMPERATURE	Indicator with sensors of oven, Incubator autoclave, Oil bath, Flammability Tester, BOM Calorimeter, Gas Chromatograph, Melting Point Apparatus, Thermal/Hot Plate, Muffle Furnace, Dry block calibrator	Using RTD Sensor with Indicator by Comparison method (Single point Calibration)	20 °C to 200 °C	0.57 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	78 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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	THERMAL-TEMPERATURE	Indicator with sensors of oven, Oil bath, Gas Chromatograph, Melting Point Apparatus, Thermal/Hot Plate, Muffle Furnace, Dry block calibrator	Using RTD Sensor with Indicator by Comparison method (Single point Calibration)	200 °C to 400 °C	0.83 °C
120	THERMAL-TEMPERATURE	Indicators with sensor of Laundrometer,Washer, HTHP, IR Dyeing M/C, washcator, Washing M/C, Tumble Dryer, sublimation Tester, Contact Heat Tester, COD Digestor,Color Fastness Tester, Print Durability	Using RTD Sensor with Indicator by Comparison method (Single Point Calibration)	20 °C to 250 °C	0.88 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-4404	**Page No**	79 of 80
Validity	16/05/2025 to 03/01/2029	**Last Amended on**	10/10/2025

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)(±)
121	THERMAL-TEMPERATURE	Indicators with sensor of Refrigerator, Deep Freezer, Freezer, Cooling Cabinet, Indicator with sensor of Water Bath, Shaker water bath, Ultrasonic waterbath, Sonicator (non medical pupose)	Using RTD Sensor with Indicator by Comparison method (Single Point Calibration)	(-) 50 °C to 100 °C	0.52 °C
122	THERMAL-TEMPERATURE	Oven, Vacuum oven, Environmental Chamber, Environment Control Room, Salt Spray Tester, Chamber (For Non Medical Purpose Only)	Using Multipoint Data Logger and 3 wire RTD (PT-100) Sensors (Minimum 9 sensors) by Comparison method	25 °C to 400 °C	1.4 °C
123	THERMAL-TEMPERATURE	RTD / Thermocouple/Temperature Sensor with or without Indicators, Temperature Switches, Temperature Transmitter, Temperature Gauge	Using R Type Thermocouple with Indicator & 7½ Digital Multimeter, Dry Bath by Comparison method	350 °C to 1000 °C	2.03 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IKON CALIBRATION AND VALIDATION LLP, IKON HOUSE, D/1 605, ANTARBHARTI CHS, RSC ROAD NO. 34, SECTOR 6, CHARKOP, KANDIVALI WEST, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-4404
Page No	80 of 80
Validity	16/05/2025 to 03/01/2029
Last Amended on	10/10/2025

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)(±)
124	THERMAL-TEMPERATURE	RTD / Thermocouple/Temperature Sensor with or without Indicators, Temperature Switches, Temperature Transmitter, Temperature Gauge,Thermostat	Using RTD Sensor with Indicator & 7½ Digital Multimeter, Dry Bath by Comparison method	(-) 15 °C to 350 °C	0.52 °C
125	THERMAL-TEMPERATURE	Temperature sensor or thermocouple with/ without indicator, Temperature & RH data logger, Temperature & RH data logger with and without Indicator, Thermohygrometer, Data logger with inbuilt sensor.	Using Temperature Chamber, PRT with Indicator by comparison method.	(-) 30 °C to 50 °C	0.43 °C

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