National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

UNIVERSAL CALIBRATION SERVICES PVT. LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

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

for its facilities at

PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2412

Issue Date: 10/09/2024 **Valid Until:** 09/09/2026

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: UNIVERSAL CALIBRATION SERVICES PVT. LIMITED

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	1 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	1Ø, AC Active Energy @ (50 Hz, UPF, 50 V to 240 V, 0.1 A to 5 A)	Using Energy Calibrator, Power Analyzer and Energy Source by Comparison Method	0.005 kWh to 1.2 kWh	1.18 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	3Ø, 3 Wire, AC Active Energy @ (50 Hz, UPF, 50 V to 240 V, 0.1 A to 5 A)	Using Energy Calibrator, Power Analyzer and Energy Source by Comparison Method	0.015 Wh to 3.6 kWh	1.18 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	1 A to 3 A	0.2 % to 0.41 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	100 µA to 1 A	0.55 % to 0.2 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2412
Page No	2 of 98
Validity	10/09/2024 to 09/09/2026
Last Amended on	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.2 % to 0.3 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 A to 20 A	0.15 % to 0.12 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.15 % to 0.12 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 6½ Digit Multimeter by Direct Method	100 µA to 1 A	0.55 % to 0.2 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	200 µA to 1 mA	0.05 % to 0.09 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	3 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	200 mA to 10 A	0.06 % to 0.15 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	1 mA to 200 mA	0.09 % to 0.06 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	1 mA to 200 mA	0.09 % to 0.06 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 µA to 200 µA	0.3 % to 0.05 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	10 µA to 200 µA	0.3 % to 0.05 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	4 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	200 µA to 1 mA	0.05 % to 0.09 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	200 mA to 10 A	0.06 % to 0.15 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Current @ 50 Hz	Using Current Transformer, 6½ Digit Multimeter & Current Injector (Source) by Comparison Method	20 A to 2000 A	2.1 % to 2.46 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Divider & HV Source by Comparison Method	1 kV to 20 kV	2.4 % to 2.6 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	1 V to 1000 V	0.041 % to 0.02 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	5 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	1 V to 1000 V	0.041 % to 0.02 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 mV to 200 mV	0.2 % to 0.025 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	10 mV to 200 mV	0.2 % to 0.025 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	200 mV to 1 V	0.025 % to 0.041 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	200 mV to 1 V	0.025 % to 0.041 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	6 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 20 kHz	Using 6½ Digit Multimeter by Direct Method	10 mV to 1000 V	0.9 % to 0.15 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 mV to 20 V	0.33 % to 0.08 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	10 mV to 20 V	0.33 % to 0.08 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	20 V to 100 V	0.08 % to 0.79 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	20 V to 100 V	0.08 % to 0.79 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	7 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 kHz	Using 6½ Digit Multimeter by Direct Method	10 mV to 700 V	0.75 % to 0.25 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1Ø, AC Power @ (50 Hz to 60 Hz, 0.2 Lead / Lag to UPF, 30 V to 500 V, 0.01 A to 20 A)	Using Multiproduct Calibrator by Direct Method	60 mW to 10 kW	1.8 % to 0.38 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	3Ø, AC Power @ (50 Hz to 60 Hz, 0.2 Lead / Lag to UPF, 30 V to 500 V, 0.01 A to 20 A)	Using Multiproduct Calibrator by Direct Method	180 mW to 30 kW	1.8 % to 0.38 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to 330 mA	0.95 % to 1.04 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multiproduct Calibrator by Direct Method	330 mA to 10 A	1.04 % to 3.5 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	8 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to 3 A	0.62 % to 0.09 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	3 A to 20 A	0.09 % to 0.21 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 60 Hz	Using Multiproduct Calibrator with Current Coil by Direct Method	10 A to 1000 A	0.51 % to 0.62 %
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 45 Hz	Using Multiproduct Calibrator by Direct Method	1 mV to 33 V	0.9 % to 0.05 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz to 100 kHz	Using Multiproduct Calibrator by Direct Method	30 mV to 330 mV	0.5 % to 0.15 %
40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz to 100 kHz	Using Multiproduct Calibrator by Direct Method	330 mV to 330 V	0.15 % to 0.32 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	9 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 330 mV	0.8 % to 0.02 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	330 mV to 1000 V	0.02 % to 0.04 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	220 pF to 330 nF	5.89 % to 0.45 %
44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator by Direct Method	330 nF to 33 µF	0.45 % to 0.6 %
45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 20 Hz	Using Multiproduct Calibrator by Direct Method	0.33 mF to 50 mF	0.654 % to 1.53 %
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 50 Hz	Using Multiproduct Calibrator by Direct Method	33 µF to 330 µF	0.6 % to 0.654 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2412
Page No	10 of 98
Validity	10/09/2024 to 09/09/2026
Last Amended on	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Inductance Box by Direct Method	1 mH to 10 H	3 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digit Multimeter by Direct Method	1 nF to 10 mF	5.47 % to 1.93 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digit Multimeter by Direct Method	10 mF to 100 mF	1.93 % to 4.9 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 µA to 20 mA	0.052 % to 0.005 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter & Multifunction Calibrator by Comparison Method	100 µA to 100 mA	0.105 % to 0.07 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	100 mA to 10 A	0.07 % to 0.2 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	11 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt with 6½ Digit Multimeter & DC Current Source by Comparison Method	20 A to 100 A	2.11 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	20 mA to 20 A	0.005 % to 0.059 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter & Multifunction Calibrator by Comparison Method	1 mV to 1 V	0.71 % to 0.085 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	1 V to 1000 V	0.085 % to 0.006 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 µV to 1000 V	5.8 % to 0.0008 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 µV to 1000 V	5.84 % to 0.0008 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	12 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	0.15 % to 0.07 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 8½ Digit Multimeter by Direct Method	100 µohm to 2 Mohm	0.5 % to 0.0015 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	100 ohm to 1 Gohm	0.07 % to 2.6 %
62	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 8½ Digit Multimeter by Direct Method	2 Mohm to 20 Mohm	0.01 % to 0.0038 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire @ 200 V & 1000 V	Using 8½ Digit Multimeter by Direct Method	20 Mohm to 20 Gohm	0.0038 % to 0.3 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	0.15 % to 0.007 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	13 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 8½ Digit Multimeter by Direct Method	1 ohm to 2 Mohm	0.5 % to 0.01 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 µA to 330 mA	0.25 % to 0.02 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 A to 20 A	0.07 % to 0.026 %
68	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.52 % to 0.64 %
69	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	330 mA to 10 A	0.02 % to 0.07 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	1 mV to 33 V	0.15 % to 0.002 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	14 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	33 V to 1000 V	0.002 % to 0.003 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multiproduct Calibrator by Direct Method	1 Mohm to 10 Mohm	5.77 % to 0.03 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multiproduct Calibrator by Direct Method	1 ohm to 1 Mohm	0.09 % to 5.77 %
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multiproduct Calibrator by Direct Method	10 Mohm to 330 Mohm	0.03 % to 0.35 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multiproduct Calibrator by Direct Method	330 Mohm to 1 Gohm	0.35 % to 0.2 %
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire @ 200 V & 1000 V	Using Standard Resistance Box by Direct Method	1 Gohm to 200 Gohm	3.55 % to 3.79 %

SCOPE OF ACCREDITATION

Laboratory Name : UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2412 **Page No** 15 of 98

Validity 10/09/2024 to 09/09/2026 **Last Amended on** 22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Multiproduct Calibrator by Direct Method	1 µohm to 1 Mohm	0.09 % to 5.77 %
78	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Conductivity Meter	Using Multiproduct Calibrator by Simulation Method	1 µS (1 Mohm) to 100 mS/cm (1 ohm)	0.061 % to 2.88 %
79	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude	Using Multiproduct Calibrator by Direct Method	1 mV to 130 V	4.9 % to 0.35 %
80	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct Method	50 kHz to 1.1 GHz	4.88 %
81	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time	Using Multiproduct Calibrator by Direct Method	2 ns to 5 s	0.03 % to 0.6 %
82	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH Meter	Using Multiproduct Calibrator by Simulation Method	0 pH {(-) 414.12 mV} to 14 pH (414.12 mV)	0.01 pH

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	16 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
83	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Power Factor @ (50 Hz, 0.1 Lag / Lead to UPF, 240 V, 5 A)	Using Multiproduct Calibrator by Direct Method	0.1 PF to 1 PF	0.002 PF
84	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT 100)	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 800 °C	0.25 °C
85	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple B Type	Using 8½ Digit Multimeter by Direct Method	100 °C to 1800 °C	0.6 °C
86	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple E Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1000 °C	0.087 °C
87	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple J Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1000 °C	0.08 °C
88	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple K Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1200 °C	0.177 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	17 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
89	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple N Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1300 °C	0.13 °C
90	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple R Type	Using 8½ Digit Multimeter by Direct Method	0 °C to 1700 °C	0.6 °C
91	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple S Type	Using 8½ Digit Multimeter by Direct Method	0 °C to 1700 °C	0.6 °C
92	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple T Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 400 °C	0.14 °C
93	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 800 °C	0.25 °C
94	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple B Type	Using Multiproduct Calibrator by Direct Method	450 °C to 1820 °C	0.8 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	18 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
95	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple E Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.15 °C
96	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple J Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.6 °C
97	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple K Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.6 °C
98	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple N Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.6 °C
99	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple R Type	Using Multiproduct Calibrator by Direct Method	100 °C to 1700 °C	0.65 °C
100	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple S Type	Using Multiproduct Calibrator by Direct Method	100 °C to 1700 °C	0.65 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	19 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
101	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple T Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 400 °C	0.21 °C
102	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	1 MHz to 10 MHz	0.016 % to 0.06 %
103	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 8½ Digit Multimeter by Direct Method	10 Hz to 1 MHz	0.06 % to 0.006 %
104	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	10 Hz to 1000 kHz	0.068 %
105	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Totalizer by Comparison Method	1 s to 1800 s	0.37 s to 1 s
106	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Totalizer by Comparison Method	1800 s to 86400 s	1 s to 121 s

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	20 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
107	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 MHz to 10 MHz	0.08 % to 0.15 %
108	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	10 Hz to 1 MHz	0.058 % to 0.08 %
109	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Contact Type	Using RPM Tachometer, RPM Generator by Comparison Method	10 rpm to 100 rpm	0.63 rpm
110	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Contact Type	Using RPM Tachometer, RPM Generator by Comparison Method	> 100 rpm to 1000 rpm	3.5 rpm
111	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Contact Type	Using RPM Tachometer, RPM Generator by Comparison Method	> 1000 rpm to 4000 rpm	10 rpm
112	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Non - Contact Type	Using Tachometer, RPM Generator by Comparison Method	10 rpm to 100 rpm	0.7 rpm
113	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Non - Contact Type	Using Tachometer, RPM Generator by Comparison Method	> 100 rpm to 4000 rpm	3.7 rpm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	21 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
114	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Non - Contact Type	Using Tachometer, RPM Generator by Comparison Method	> 4000 rpm to 90000 rpm	27.49 rpm
115	MECHANICAL-ACCELERATION AND SPEED	RPM of Stirrer	Using Tachometer by Direct Method	> 100 rpm to 4000 rpm	3.7 rpm
116	MECHANICAL-ACCELERATION AND SPEED	RPM of Stirrer	Using Tachometer by Direct Method	10 rpm to 100 rpm	0.844 rpm
117	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Acceleration (g) @ (79.58 Hz & 159.2 Hz)	Using Vibration Meter Calibrator by Direct Method as per ISO 16063-21	1 m/s^2 to 10 m/s^2	0.26 m/s^2
118	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Acceleration (g) @ 15.92 Hz	Using Vibration Meter Calibrator by Direct Method as per ISO 16063-21	1 m/s^2	0.08 m/s^2
119	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Acceleration (g) @ 636.6 Hz	Using Vibration Meter Calibrator by Direct Method as per ISO 16063-21	1 m/s^2	0.078 m/s^2

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	22 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
120	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Displacement @ 100 Hz	Using Vibration Meter, Vibration Generator Calibrator by Comparison Method as per ISO 16063-21	0 to 145 µm	2.426 %
121	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Velocity @ 100 Hz	Using Vibration Meter, Vibration Generator by Comparison Method as per ISO 16063-21	0 to 20 mm/s	0.52 mm/s
122	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Generator Calibrator by Direct Method	94 dB & 114 dB	1.8 dB
123	MECHANICAL-DENSITY AND VISCOSITY	Viscosity Cup, Flow Cup	Using Viscosity Standard Liquids by Comparison Method	10 cSt to 500 cSt	2.1 %
124	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Width Gauge	Using 2D Electronic Height Gauge by Comparison Method	0.5 mm to 600 mm	10 µm
125	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor (L.C.: 5 minute of arc)	Using Angle Gauge by Comparison Method	0°- 90°- 0°	6.5 minute of arc

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	23 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
126	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge with or without Dial - Transmission Error (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 2 mm	3 µm
127	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Slip Gauge, Long Slip Gauge & Accessories by Comparison Method	0 to 1000 mm	17 µm
128	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	CD / PCD Gauge - Length	Using Video Measuring Machine by Comparison Method	2 mm to 200 mm	10 µm
129	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	CD / PCD Gauge - Length	Using 2D Electronic Height Gauge by Comparison Method	2 mm to 600 mm	10 µm
130	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 1 µm)	Using Coating Thickness Foils by Comparison Method	0.1 mm to 2 mm	2.27 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	24 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
131	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set (L.C.: 1°)	Using Angle Gauge by Comparison Method	0° - 90° - 0°	35 minute of arc
132	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cube Mould - Length	Using Video Measuring Machine by Comparison Method	Up to 200 x 100 x 100 mm	10 µm
133	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cube Mould - Length	Using 2D Electronic Height Gauge by Comparison Method	Up to 300 x 300 x 600 mm	10 µm
134	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C.: 0.001 mm)	Using Slip Gauge & Accessories by Comparison Method	0 to 300 mm	7 µm
135	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Vernier Caliper (L.C.: 0.01 mm)	Using Slip Gauge & Accessories by Comparison Method	0 to 300 mm	15 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	25 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
136	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Vernier Caliper (L.C.: 0.02 mm)	Using Slip Gauge, Long Slip Gauge, Accessories & Surface Plate by Comparison Method	0 to 600 mm	20 µm
137	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer - Traverse (L.C.: 0.001 mm)	Using Extensometer Calibrator by Comparison Method as per ASTM E83	Up to 5 mm	5 µm
138	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer - Traverse (L.C.: 0.001 mm)	Using Extensometer Calibrator by Comparison Method as per IS 12872 : 2021, ISO 9513 : 2012	Up to 5 mm	5 µm
139	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Slip Gauge by Comparison Method	0 to 100 mm	2 µm
140	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.01 mm)	Using Slip Gauge, Long Slip Gauge & Accessories by Comparison Method	> 300 mm to 1000 mm	15 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	26 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
141	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.01 mm)	Using Slip Gauge & Accessories by Comparison Method	>100 mm to 300 mm	8 µm
142	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Probe with Digital Read Out (DRO) & Comparator Stand by Comparison Method	0.01 mm to 1 mm	2.5 µm
143	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Foil	Using Probe with Digital Read Out (DRO) by Comparison Method	0.1 mm to 10 mm	1.5 µm
144	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital (L.C.: 0.1 µm)	Using Slip Gauge, Long Slip Gauge by Comparison Method	0 to 1000 mm	10 µm
145	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Hi - Lo Limit Gauge - Length	Using Video Measuring Machine, Slip Gauge by Comparison Method	0.5 mm to 200 mm	10 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	27 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
146	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inclinometer (L.C.: 0.1°)	Using Angle Gauge by Comparison Method	0° - 90° - 0°	0.1 °
147	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inspection JIG & Fixture - Diameter	Using 2D Electronic Height Gauge by Comparison Method	0.5 mm to 600 mm	10 µm
148	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inspection JIG & Fixture - Diameter	Using Video Measuring Machine by Comparison Method	2 mm to 200 mm	10 µm
149	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inspection JIG & Fixture - Length	Using 2D Electronic Height Gauge by Comparison Method	0.5 mm to 600 mm	10 µm
150	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inspection JIG & Fixture - Length	Using Video Measuring Machine by Comparison Method	2 mm to 200 mm	10 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	28 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
151	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer (L.C.: 0.01 mm)	Using Slip Gauge, Long Slip Gauge, DRO with Probe, Comparator Stand by Comparison Method	> 300 mm to 1000 mm	13 µm
152	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer (L.C.: 0.01 mm)	Using Slip Gauge & DRO with Probe, Comparator Stand by Comparison Method	0 to 300 mm	8 µm
153	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Keyway Gauge - Diameter	Using Slip gauge & probe with DRO by Comparison method	> 100 mm to 300 mm	4 µm
154	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Keyway Gauge - Diameter	Using Slip Gauge & Probe with DRO by Comparison Method	0.5 mm to 100 mm	2.5 µm
155	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 1 mm	2.92 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	29 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
156	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial (L.C.: 0.01 mm)	Using Digital Dial Calibrator by Comparison Method	0 mm to 2 mm	6.5 µm
157	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale (L.C.: 0.5 mm)	Using Tape & Scale Calibrator by Comparison Method	0 to 2000 mm	119.75 x sqrt (L) µm, where L is in m
158	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape, Pie Tape (L.C.: 1 mm)	Using Tape & Scale Calibrator by Comparison Method	0 to 100 m	119.75 x sqrt (L) µm, where L is in m
159	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Head (L.C.: 0.001 mm)	Using Probe with Digital Read out (DRO) by Comparison Method	0 to 25 mm	1.5 µm
160	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Rod	Using Slip Gauge, Probe with DRO, Comparator Stand by Comparison Method	> 275 mm to 1000 mm	9.15 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	30 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
161	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Rod	Using Slip Gauge, Probe with DRO, Comparator Stand by Comparison Method	2 mm to 275 mm	3.5 µm
162	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Paddle Gauge - Diameter	Using Slip Gauge & Probe with DRO by Comparison Method	> 100 mm to 300 mm	4 µm
163	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Paddle Gauge - Diameter	Using Slip Gauge & Probe with DRO by Comparison Method	0.5 mm to 100 mm	2.5 µm
164	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Paddle Gauge - Diameter	Using 2D Electronic Height Gauge by Comparison Method	0.5 mm to 600 mm	10 µm
165	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Paddle Gauge - Diameter	Using Video Measuring Machine by Comparison Method	2 mm to 200 mm	10 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	31 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
166	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pin Gauge	Using Probe with Digital Read Out (DRO), Comparator Stand by Comparison Method	0.1 mm to 20 mm	2 µm
167	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper (L.C.: 0.1 mm)	Using Slip Gauge by Comparison Method	0 to 150 mm	75.72 µm
168	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Slip Gauge & Probe with DRO by Comparison Method	> 100 mm to 300 mm	4 µm
169	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Slip Gauge & Probe with DRO by Comparison Method	0.5 mm to 100 mm	2.3 µm
170	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge	Using Length Measuring Machine & Master Ring Gauge by Comparison Method	> 100 mm to 300 mm	4 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	32 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
171	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge	Using Length Measuring Machine & Master Ring Gauge by Comparison Method	3 mm to 100 mm	2 µm
172	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Work Piece - Length	Using Video Measuring Machine by Comparison Method	0.5 mm to 200 mm	10 µm
173	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Work Piece - Template - Length	Using 2D Electronic Height Gauge by Comparison Method	0.5 mm to 600 mm	10 µm
174	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Work Piece - Template - Width	Using 2D Electronic Height Gauge by Comparison Method	0.5 mm to 600 mm	10 µm
175	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 25 mm	3 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	33 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
176	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge (L.C.: 0.001 mm)	Using Slip Gauge, Comparator Stand by Comparison Method	0 to 50 mm	6 µm
177	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Precision Spirit Level - Base Length 300 mm (Sensitivity : 0.02 mm/m)	Using Electronic Level & Tilting Table by Comparison Method	(±) 1 mm/m	25 µm/m
178	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge, Radius Template	Using Video Measuring Machine by Comparison Method	0.6 mm to 200 mm	11 µm
179	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge, Gap Gauge	Using Length Measuring Machine by Comparison Method	100 mm to 300 mm	5 µm
180	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge, Gap Gauge	Using Slip Gauge by Comparison Method	3 mm to 100 mm	3 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	34 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
181	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate (Cast Iron / Granite) - Flatness	Using Digital Level by Comparison Method	Up to 4000 x 4000 mm	2.5 x sqrt {(L + W) / 125)} µm, where L and W are in mm
182	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	T Gauge	Using 2D Electronic Height Gauge by Comparison Method	Up to 600 mm	10 µm
183	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Scale (L.C.: 0.1 mm)	Using Video Measuring Machine by Comparison Method	0.5 mm to 15 mm	9 µm
184	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Template - Angle	Using Video Measuring Machine by Comparison Method	Up to 360 °	4.63 minute of arc
185	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Template - Length	Using Video Measuring Machine by Comparison Method	0.5 mm to 200 mm	10 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	35 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
186	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve - Aperture Size	Using Video Measuring Machine by Comparison Method	0.032 mm to 3.5 mm	7 µm
187	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge - Dial / Digital (L.C.: 0.001 mm)	Using Slip Gauge by Comparison Method	0 to 1 mm	2 µm
188	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge - Dial / Digital (L.C.: 0.01 mm)	Using Slip Gauge by Comparison Method	0 to 25 mm	7.6 µm
189	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge - Angle	Using Video Measuring Machine by Comparison Method	55° & 60 °	277.54 second of arc
190	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge - Linear	Using Video Measuring Machine by Comparison Method	0.4 mm to 6 mm	6.5 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	36 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
191	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Effective Diameter	Using Length Measuring Machine, Thread Measuring Wires, Setting Master by Comparison Method	> 100 mm to 300 mm	4 µm
192	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Effective Diameter	Using Floating Carriage Diameter Measuring Machine, Thread Measuring Wires, Setting Master by Comparison Method	2 mm to 100 mm	4 µm
193	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Major Diameter	Using Length Measuring Machine & External Probe by Comparison Method	100 mm to 300 mm	4 µm
194	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Major Diameter	Using Floating Carriage Diameter Measuring Machine, Setting Master by Comparison Method	2 mm to 100 mm	4 µm
195	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Minor Diameter	Using Length Measuring Machine & External Probe by Comparison Method	100 mm to 300 mm	4

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	37 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
196	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Minor Diameter	Using Floating Carriage Diameter Measuring Machine by Comparison Method	2 mm to 100 mm	4
197	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge - Effective Diameter	Using Length Measuring Machine, Master Ring Gauge by Comparison Method	3 mm to 100 mm	2 µm
198	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge - Effective Diameter	Using Length Measuring Machine, Master Ring Gauge by Comparison Method	> 100 mm to 300 mm	5 µm
199	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square, Engineering Square - Parallelism	Using Electronic Probe with DRO by Comparison Method	Up to 600 mm	6.06 µm
200	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square, Engineering Square - Squareness	Using Master Square Cylinder, Slip Gauges by Comparison Method	Up to 600 mm	15 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	38 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
201	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square, Engineering Square - Straightness	Using Surface Plate, Probe with DRO, Slip Gauges by Comparison Method	Up to 600 mm	6.06 µm
202	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V-Block - Parallelism	Using Surface Plate, Test Mandrels & Probe with DRO by Comparison Method	Up to 200 mm	13 µm
203	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V-Block - Squareness	Using Square Cylinder, Slip Gauge by Comparison Method	Up to 200 mm	13 µm
204	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V-Block - Symmetricity	Using Surface Plate, Test Mandrels & Probe with DRO by Comparison Method	Up to 200 mm	13 µm
205	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Weld Fillet Gauge	Using Video Measuring Machine by Comparison Method	Up to 60 mm	10 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	39 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
206	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Width Gauge	Using Video Measuring Machine by Comparison Method	0.5 mm to 200 mm	10 µm
207	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Wire Gauge	Using Video Measuring Machine by Comparison Method	0.19 mm to 7.62 mm	6 µm
208	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge - Linear (L.C.: 0.1 µm)	Using Long Slip Gauge by Comparison Method	0 to 600 mm	10 µm
209	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge - Squareness (L.C.: 0.1 µm)	Using Master Square Cylinder by Comparison Method	0 to 600 mm	11.26 µm
210	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Dial Calibration Tester (L.C.: 0.1 µm)	Using Probe with Digital Read Out (DRO) by Comparison Method	0 to 25 mm	1.5 µm
211	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Probe with DRO / Comparator / LVDT (L.C.: 0.0001 mm)	Using Slip Gauge by Comparison Method	0 to 25 mm	1 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	40 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
212	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Probe with DRO / Comparator / LVDT (L.C.: 0.001 mm)	Using Slip Gauges, Comparator Stand and Digital Multimeter by Comparison Method	0 to 100 mm	10 µm
213	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Magnification	Using Slip Gauge, Vernier Caliper by Comparison Method	10 X to 100 X	1 %
214	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Surface Roughness Tester (Ra) - Portable	Using Surface Roughness Master by Comparison Method	0.1 µm to 3 µm	10 %
215	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Video Measuring Machine - Angular (L.C.: 1 second of arc)	Using Angular Glass Graticule by Comparison Method	0 ° to 360 °	15 second of arc
216	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Video Measuring Machine, Microscope - Linear (L.C.: 0.0001 mm)	Using Glass Scale by Comparison Method	0 to 200 mm	3 µm
217	MECHANICAL-DUROMETER	Durometer - Shore A	Using Dial Calibration Tester by Depth Indentation Method as per ISO 18898:2016	10 Shore to 100 Shore	0.9 Shore

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	41 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
218	MECHANICAL-DUROMETER	Durometer - Shore AM	Using Dial Calibration Tester by Depth Indentation Method as per ISO 18898:2016	10 Shore to 100 Shore	0.9 Shore
219	MECHANICAL-DUROMETER	Durometer - Shore AO	Using Dial Calibration Tester by Depth Indentation Method as per ISO 18898:2016	10 Shore to 100 Shore	0.9 Shore
220	MECHANICAL-DUROMETER	Durometer - Shore D	Using Dial Calibration Tester by Depth Indentation Method as per ISO 18898:2016	10 Shore to 100 Shore	0.9 Shore
221	MECHANICAL-MOBILE FORCE MEASURING SYSTEM	Push-Pull Gauge, Force Gauge - Push & Pull Mode	Using Slotted Mass with Hanger as per VDI/VDE 2624 Part 2.1	5 N to 500 N	1.5 N
222	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Magnehelic Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Pneumatic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 20 mbar	0.011 mbar

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	42 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
223	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Magnehelic Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Pneumatic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 200 mbar	0.13 mbar
224	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Hydraulic Medium	Using Hydraulic Dead Weight Tester, 6½ Digit Multimeter by Direct Method as per DKD-R 6-1	2 bar to 35 bar	0.01 bar
225	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Hydraulic Medium	Using Hydraulic Dead Weight Tester, 6½ Digit Multimeter by Direct Method as per DKD-R 6-1	35 bar to 700 bar	0.14 bar

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	43 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
226	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Hydraulic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Hydraulic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 400 bar	0.15 bar
227	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Hydraulic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Hydraulic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.56 bar
228	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Pneumatic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 1 bar	0.00086 bar

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	44 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
229	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Pneumatic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 30 bar	0.011 bar
230	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Vacuum Gauge, Vacuum Transmitter, Vacuum Transducer, Vacuum Switch - Pneumatic Pressure	Using Digital Vacuum Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	(-) 0.93 bar to 0 bar	0.0007 bar
231	MECHANICAL-TORQUE GENERATING DEVICES	Torque Tool - Pneumatic, Electrical, Hydraulic and Oil Pulse Tool	Using Torque Sensor with Indicator as per IS 15411:2021	1 Nm to 10 Nm	0.44 %
232	MECHANICAL-TORQUE GENERATING DEVICES	Torque Tool - Pneumatic, Electrical, Hydraulic and Oil Pulse Tool	Using Torque Sensor with Indicator as per IS 15411:2021	10 Nm to 50 Nm	0.8 %
233	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench Type I (Class A, B, C, D, E), Torque Wrench - Type II (Type A, B, C, D, E, F, G)	Using Torque Sensor with Indicator & Calibrator as per ISO 6789-1: 2017 and ISO 6789-2: 2017	2 Nm to 20 Nm	2.05 %rdg

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	45 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
234	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench Type I (Class A, B, C, D, E), Torque Wrench - Type II (Type A, B, C, D, E, F, G)	Using Torque Sensor with Indicator & Calibrator as per ISO 6789-1: 2017 and ISO 6789-2: 2017	20 Nm to 200 Nm	1.58 %rdg
235	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench Type I (Class A, B, C, D, E), Torque Wrench - Type II (Type A, B, C, D, E, F, G)	Using Torque Sensor with Indicator & Calibrator as per ISO 6789-1: 2017 and ISO 6789-2: 2017	200 Nm to 2000 Nm	1.75 %rdg
236	MECHANICAL-VOLUME	Glass Burette, Glass Pipette - Single Marking & Graduated, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker - Single Marking & Graduated	Using Weighing Balance (Readability : 0.01 mg), Distilled Water based on Gravimetric Method as per ISO 4787:2021 & ISO/TR 20461:2023	10 ml to 80 ml	0.51 ml
237	MECHANICAL-VOLUME	Glass Burette, Glass Pipette - Single Marking & Graduated, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker - Single Marking & Graduated	Using Weighing Balance (Readability : 0.1 mg), Distilled Water based on Gravimetric Method as per ISO 4787:2021 & ISO/TR 20461:2023	80 ml to 200 ml	0.51 ml

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	46 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
238	MECHANICAL-VOLUME	Glass Burette, Glass Pipette - Single Marking & Graduated, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker - Single Marking & Graduated	Using Weighing Balance (Readability : 0.01 mg), Distilled Water based on Gravimetric Method as per ISO 4787:2021 & ISO/TR 20461:2023	1 ml to 10 ml	0.19 ml
239	MECHANICAL-VOLUME	Glass Burette, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker - Single Marking & Graduated	Using Weighing Balance (Readability : 1 mg), Distilled Water based on Gravimetric Method as per ISO 4787:2021 & ISO/TR 20461:2023	> 500 ml to 1000 ml	2.6 ml
240	MECHANICAL-VOLUME	Glass Burette, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker - Single Marking & Graduated	Using Weighing Balance (Readability : 1 mg), Distilled Water based on Gravimetric Method as per ISO 4787:2021 & ISO/TR 20461:2023	200 ml to 500 ml	2.2 ml

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	47 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
241	MECHANICAL-VOLUME	Glass Pipette - Single Marking & Graduated	Using Weighing Balance (Readability : 0.01 mg), Distilled Water based on Gravimetric Method as per ISO 4787:2021 & ISO/TR 20461:2023	100 µl to 1000 µl	2.54 µl
242	MECHANICAL-VOLUME	Micro Pipette - Piston Operated	Using Weighing Balance (Readability : 0.01 mg), Distilled Water based on Gravimetric Method as per ISO 8655-6:2022 & ISO/TR 20461:2023	100 µl to 1000 µl	2.54 µl
243	MECHANICAL-VOLUME	Micro Pipette - Piston Operated	Using Weighing Balance (Readability : 0.01 mg), Distilled Water based on Gravimetric Method as per ISO 8655-6:2022 & ISO/TR 20461:2023	20 µl to 100 µl	0.5 µl
244	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class I & Coarser (Readability : 0.01 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 82 g	0.03 mg

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	48 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
245	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class I & Coarser (Readability : 0.1 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 220 g	0.22 mg
246	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class II & Coarser (Readability : 1 mg)	Using E1, F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 1.02 kg	3 mg
247	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class II & Coarser (Readability : 10 mg)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 2.2 kg	30 mg
248	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class II & Coarser (Readability : 100 mg)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 32.2 kg	250 mg
249	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class IIII (Readability : 10 g)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 200 kg	58 g
250	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	1 g	0.025 mg

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	49 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
251	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	10 g	0.02 mg
252	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.1 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	100 g	0.15 mg
253	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	100 mg	0.01 mg
254	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	2 g	0.025 mg

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	50 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
255	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	20 g	0.03 mg
256	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	20 mg	0.009 mg
257	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.1 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	200 g	0.131 mg
258	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	200 mg	0.025 mg

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	51 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
259	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	5 g	0.025 mg
260	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	50 g	0.03 mg
261	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	50 mg	0.012 mg
262	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	500 mg	0.025 mg

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	52 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
263	MECHANICAL-WEIGHTS	Accuracy Class F2 & Coarser	Using F1 Class Weight & Balance of (Readability : 1 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	1 kg	5 mg
264	MECHANICAL-WEIGHTS	Accuracy Class F2 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	1 mg	0.011 mg
265	MECHANICAL-WEIGHTS	Accuracy Class F2 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	10 mg	0.0092 mg
266	MECHANICAL-WEIGHTS	Accuracy Class F2 & Coarser	Using F1 Class Weight & Balance of (Readability : 10 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	2 kg	10 mg

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	53 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
267	MECHANICAL-WEIGHTS	Accuracy Class F2 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	2 mg	0.009 mg
268	MECHANICAL-WEIGHTS	Accuracy Class F2 & Coarser	Using E1 Class Weight & Balance of (Readability : 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	5 mg	0.009 mg
269	MECHANICAL-WEIGHTS	Accuracy Class M1 & Coarser	Using F1 Class Weight & Balance of (Readability : 100 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	10 kg	143 mg
270	MECHANICAL-WEIGHTS	Accuracy Class M1 & Coarser	Using F1 Class Weight & Balance of (Readability : 100 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	20 kg	100 mg

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	54 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
271	MECHANICAL-WEIGHTS	Accuracy Class M1 & Coarser	Using F1 Class Weight & Balance of (Readability : 1 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	500 g	3 mg
272	MECHANICAL-WEIGHTS	Accuracy Class M2 & Coarser	Using F1 Class Weight & Balance of (Readability : 100 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	5 kg	100 mg
273	OPTICAL-OPTICAL	Illuminance Meter, Lux Meter	Using Lux Meter & DC Power Supply by Comparison Method	100 lx to 10000 lx	5 %
274	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Environmental Chamber , Climatic Chamber, Humidity Chamber, Humidity Calibrator - Single Position @ 20°C to 50°C	Using Temperature & Humidity Meter with Probe by Comparison Method	10 %RH to 95 %RH	2 %RH

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	55 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
275	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Sensor / Transducer / Transmitter with Indicator or without Indicator, Thermo Hygrometer, Data Logger with Indicator or without Indicator - @ 20°C to 35°C	Using Temperature & Humidity Meter with Probe & 6½ Digit Multimeter, Temperature and Humidity Generator by Comparison Method	10 %RH to 95 %RH	2 %RH
276	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Sensor / Transducer / Transmitter with Indicator or without Indicator, Thermo Hygrometer, Data Logger with Indicator or without Indicator - @ 35°C to 50°C	Using Temperature & Humidity Meter with Probe & 6½ Digit Multimeter, Temperature and Humidity Generator by Comparison Method	10 %RH to 50 %RH	2 %RH

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	56 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
277	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Sensor / Transducer / Transmitter with Indicator or without Indicator, Thermo Hygrometer, Data Logger with Indicator or without Indicator - @ 50 %RH	Using RTD & 6½ Digit Multimeter, Temperature & Humidity Meter with Probe, Temperature and Humidity Generator by Comparison Method	5 °C to 50 °C	0.3 °C
278	THERMAL-TEMPERATURE	Dial Thermometer	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Bath by Comparison Method	(-) 35 °C to 140 °C	0.2 °C
279	THERMAL-TEMPERATURE	Dial Thermometer	Using RTD (PT 100), Digital Temperature Indicator & Liquid Bath by Comparison Method	(-) 35 °C to 140 °C	0.2 °C
280	THERMAL-TEMPERATURE	Dial Thermometer	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Bath by Comparison Method	> 140 °C to 250 °C	0.68 °C
281	THERMAL-TEMPERATURE	Dial Thermometer	Using RTD (PT 100), Digital Temperature Indicator & Liquid Bath by Comparison Method	> 140 °C to 250 °C	0.68 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	57 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
282	THERMAL-TEMPERATURE	Freezer, Cold Chamber, Oven, Furnace, Coating Oven - Multi Position (Minimum 9 Sensors)	Using PT 100 Sensor with Data Logger by Comparison Method	(-) 40 °C to 400 °C	2.6 °C
283	THERMAL-TEMPERATURE	Indicator with Sensor of Dry Block Calibrator - Single Position	Using R Type Thermocouple, 6½ Digit Multimeter by Comparison Method	600 °C to 1200 °C	1.3 °C
284	THERMAL-TEMPERATURE	Indicator with Sensor of Dry Block Calibrator - Single Position	Using R Type Thermocouple, DAQ Temperature Scanner by Comparison Method	600 °C to 1200 °C	1.3 °C
285	THERMAL-TEMPERATURE	Indicator with Sensor of Liquid Bath, Dry Block Calibrator - Single Position	Using RTD (PT 100), 6½ Digit Multimeter by Comparison Method	(-) 100 °C to 140 °C	0.1 °C
286	THERMAL-TEMPERATURE	Indicator with Sensor of Liquid Bath, Dry Block Calibrator - Single Position	Using RTD (PT 100), 6½ Digit Multimeter by Comparison Method	140 °C to 600 °C	0.4 °C
287	THERMAL-TEMPERATURE	Indicator with Sensor of Liquid Bath, Dry Block Calibrator - Single Position	Using RTD (PT 100), Temperature Indicator by Comparison Method	(-) 100 °C to 140 °C	0.1 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	58 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
288	THERMAL-TEMPERATURE	Indicator with Sensor of Liquid Bath, Dry Block Calibrator - Single Position	Using RTD (PT 100), Temperature Indicator by Comparison Method	140 °C to 600 °C	0.4 °C
289	THERMAL-TEMPERATURE	IR Digital Thermometer / Gun, Pyrometer (Emissivity 0.95)	Using IR Thermometer, Black Body Source by Comparison Method	> 100 °C to 500 °C	3 °C
290	THERMAL-TEMPERATURE	IR Digital Thermometer / Gun, Pyrometer (Emissivity 0.95)	Using IR Thermometer, Black Body Source by Comparison Method	0 °C to 100 °C	2.88 °C
291	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), Digital Temperature Indicator & Liquid Bath by Comparison Method	(-) 35 °C to 140 °C	0.2 °C
292	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Bath by Comparison Method	(-) 35 °C to 140 °C	0.2 °C
293	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), Digital Temperature Indicator & Liquid Bath by Comparison Method	> 140 °C to 250 °C	0.68 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	59 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
294	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Bath by Comparison Method	> 140 °C to 250 °C	0.68 °C
295	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), 6½ Digit Multimeter & Dry Block Calibrator by Comparison Method	(-) 100 °C to (-) 35 °C	0.3 °C
296	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), Temperature Indicator, Dry Block Calibrator by Comparison Method	(-) 100 °C to (-) 35 °C	0.1 °C
297	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), Temperature Indicator, Liquid Nitrogen Bath by Comparison Method	(-) 196 °C	0.2 °C
298	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Nitrogen Bath by Comparison Method	(-) 196 °C	0.2 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	60 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
299	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), Digital Temperature Indicator & Dry Bath by Comparison Method	(-) 35 °C to 140 °C	0.06 °C
300	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), Digital Temperature Indicator, Dry Block by Comparison Method	140 °C to 600 °C	0.34 °C
301	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), 6½ Digit Multimeter, Dry Bath by Comparison Method	(-) 35 °C to 140 °C	0.05 °C
302	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), 6½ Digit Multimeter, Dry Block by Comparison Method	140 °C to 600 °C	0.4 °C
303	THERMAL-TEMPERATURE	Thermocouple with or without Indicator / Data Logger / Recorder	Using R Type Thermocouple, 6½ Digit Multimeter, Temperature Indicator, Dry Block by Comparison Method	600 °C to 1200 °C	1.28 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	61 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	1Ø, AC Active Energy @ (50 Hz, UPF, 50 V to 240 V, 0.1 A to 5 A)	Using Energy Calibrator, Power Analyzer and Energy Source by Comparison Method	0.005 kWh to 1.2 kWh	1.18 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	3Ø, 3 Wire, AC Active Energy @ (50 Hz, UPF, 50 V to 240 V, 0.1 A to 5 A)	Using Energy Calibrator, Power Analyzer and Energy Source by Comparison Method	0.015 Wh to 3.6 kWh	1.18 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	1 A to 3 A	0.2 % to 0.41 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	100 µA to 1 A	0.55 % to 0.2 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	62 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.2 % to 0.3 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 A to 20 A	0.15 % to 0.12 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.15 % to 0.12 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 6½ Digit Multimeter by Direct Method	100 µA to 1 A	0.55 % to 0.2 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	200 µA to 1 mA	0.05 % to 0.09 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	63 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	200 mA to 10 A	0.06 % to 0.15 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	1 mA to 200 mA	0.09 % to 0.06 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	1 mA to 200 mA	0.09 % to 0.06 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 µA to 200 µA	0.3 % to 0.05 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	10 µA to 200 µA	0.3 % to 0.05 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2412
Page No	64 of 98
Validity	10/09/2024 to 09/09/2026
Last Amended on	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	200 µA to 1 mA	0.05 % to 0.09 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 5 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	200 mA to 10 A	0.06 % to 0.15 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Current @ 50 Hz	Using Current Transformer, 6½ Digit Multimeter & Current Injector (Source) by Comparison Method	20 A to 2000 A	2.1 % to 2.46 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Divider & HV Source by Comparison Method	1 kV to 20 kV	2.4 % to 2.6 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Divider by Direct Method	20 kV to 100 kV	2.6 % to 4.26 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	65 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	1 V to 1000 V	0.041 % to 0.02 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	1 V to 1000 V	0.041 % to 0.02 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 mV to 200 mV	0.2 % to 0.025 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	10 mV to 200 mV	0.2 % to 0.025 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	200 mV to 1 V	0.025 % to 0.041 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2412
Page No	66 of 98
Validity	10/09/2024 to 09/09/2026
Last Amended on	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	200 mV to 1 V	0.025 % to 0.041 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 20 kHz	Using 6½ Digit Multimeter by Direct Method	10 mV to 1000 V	0.9 % to 0.15 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 mV to 20 V	0.33 % to 0.08 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	10 mV to 20 V	0.33 % to 0.08 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	20 V to 100 V	0.08 % to 0.79 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	67 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	20 V to 100 V	0.08 % to 0.79 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 kHz	Using 6½ Digit Multimeter by Direct Method	10 mV to 700 V	0.75 % to 0.25 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1Ø, AC Power @ (50 Hz to 60 Hz, 0.2 Lead / Lag to UPF, 30 V to 500 V, 0.01 A to 20 A)	Using Multiproduct Calibrator by Direct Method	60 mW to 10 kW	1.8 % to 0.38 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	3Ø, AC Power @ (50 Hz to 60 Hz, 0.2 Lead / Lag to UPF, 30 V to 500 V, 0.01 A to 20 A)	Using Multiproduct Calibrator by Direct Method	180 mW to 30 kW	1.8 % to 0.38 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to 330 mA	0.95 % to 1.04 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	68 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multiproduct Calibrator by Direct Method	330 mA to 10 A	1.04 % to 3.5 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to 3 A	0.62 % to 0.09 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	3 A to 20 A	0.09 % to 0.21 %
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 60 Hz	Using Multiproduct Calibrator with Current Coil by Direct Method	10 A to 1000 A	0.51 % to 0.62 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 45 Hz	Using Multiproduct Calibrator by Direct Method	1 mV to 33 V	0.9 % to 0.05 %
40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz to 100 kHz	Using Multiproduct Calibrator by Direct Method	30 mV to 330 mV	0.5 % to 0.15 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2412
Page No	69 of 98
Validity	10/09/2024 to 09/09/2026
Last Amended on	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz to 100 kHz	Using Multiproduct Calibrator by Direct Method	330 mV to 330 V	0.15 % to 0.32 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 330 mV	0.8 % to 0.02 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	330 mV to 1000 V	0.02 % to 0.04 %
44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	220 pF to 330 nF	5.89 % to 0.45 %
45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator by Direct Method	330 nF to 33 µF	0.45 % to 0.6 %
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 20 Hz	Using Multiproduct Calibrator by Direct Method	0.33 mF to 50 mF	0.654 % to 1.53 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	70 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 50 Hz	Using Multiproduct Calibrator by Direct Method	33 µF to 330 µF	0.6 % to 0.654 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Inductance Box by Direct Method	1 mH to 10 H	3 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digit Multimeter by Direct Method	1 nF to 10 mF	5.47 % to 1.93 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digit Multimeter by Direct Method	10 mF to 100 mF	1.93 % to 4.9 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 µA to 20 mA	0.052 % to 0.005 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter & Multifunction Calibrator by Comparison Method	100 µA to 100 mA	0.105 % to 0.07 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2412
Page No	71 of 98
Validity	10/09/2024 to 09/09/2026
Last Amended on	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	100 mA to 10 A	0.07 % to 0.2 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt with 6½ Digit Multimeter & DC Current Source by Comparison Method	20 A to 100 A	2.11 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	20 mA to 20 A	0.005 % to 0.059 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Divider with Indicator & HV source by Comparison Method	1 kV to 20 kV	1.97 % to 2.1 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Divider by Direct Method	20 kV to 100 kV	2.3 % to 3.06 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter & Multifunction Calibrator by Comparison Method	1 mV to 1 V	0.71 % to 0.085 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	72 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	1 V to 1000 V	0.085 % to 0.006 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 µV to 1000 V	5.8 % to 0.0008 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter & Multifunction Calibrator by Comparison Method	10 µV to 1000 V	5.84 % to 0.0008 %
62	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	0.15 % to 0.07 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 8½ Digit Multimeter by Direct Method	100 µohm to 2 Mohm	0.5 % to 0.0015 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	100 ohm to 1 Gohm	0.07 % to 2.6 %

SCOPE OF ACCREDITATION

Laboratory Name : UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2412 **Page No** 73 of 98

Validity 10/09/2024 to 09/09/2026 **Last Amended on** 22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 8½ Digit Multimeter by Direct Method	2 Mohm to 20 Mohm	0.01 % to 0.0038 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire @ 200 V & 1000 V	Using 8½ Digit Multimeter by Direct Method	20 Mohm to 20 Gohm	0.0038 % to 0.3 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	0.15 % to 0.007 %
68	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 8½ Digit Multimeter by Direct Method	1 ohm to 2 Mohm	0.5 % to 0.01 %
69	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 µA to 330 mA	0.25 % to 0.02 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 A to 20 A	0.07 % to 0.026 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	74 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.52 % to 0.64 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	330 mA to 10 A	0.02 % to 0.07 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	1 mV to 33 V	0.15 % to 0.002 %
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	33 V to 1000 V	0.002 % to 0.003 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multiproduct Calibrator by Direct Method	1 Mohm to 10 Mohm	5.77 % to 0.03 %
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multiproduct Calibrator by Direct Method	1 ohm to 1 Mohm	0.09 % to 5.77 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	75 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multiproduct Calibrator by Direct Method	10 Mohm to 330 Mohm	0.03 % to 0.35 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multiproduct Calibrator by Direct Method	330 Mohm to 1 Gohm	0.35 % to 0.2 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire @ 200 V & 1000 V	Using Standard Resistance Box by Direct Method	1 Gohm to 200 Gohm	3.55 % to 3.79 %
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Multiproduct Calibrator by Direct Method	1 µohm to 1 Mohm	0.09 % to 5.77 %
81	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Conductivity Meter	Using Multiproduct Calibrator by Simulation Method	1 µS (1 Mohm) to 100 mS/cm (1 ohm)	0.061 % to 2.88 %
82	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude	Using Multiproduct Calibrator by Direct Method	1 mV to 130 V	4.9 % to 0.35 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	76 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
83	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct Method	50 kHz to 1.1 GHz	4.88 %
84	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time	Using Multiproduct Calibrator by Direct Method	2 ns to 5 s	0.03 % to 0.6 %
85	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH Meter	Using Multiproduct Calibrator by Simulation Method	0 pH {(-) 414.12 mV} to 14 pH (414.12 mV)	0.01 pH
86	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Power Factor @ (50 Hz, 0.1 Lag / Lead to UPF, 240 V, 5 A)	Using Multiproduct Calibrator by Direct Method	0.1 PF to 1 PF	0.002 PF
87	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT 100)	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 800 °C	0.25 °C
88	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple B Type	Using 8½ Digit Multimeter by Direct Method	100 °C to 1800 °C	0.6 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	77 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
89	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple E Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1000 °C	0.087 °C
90	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple J Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1000 °C	0.08 °C
91	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple K Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1200 °C	0.177 °C
92	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple N Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1300 °C	0.13 °C
93	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple R Type	Using 8½ Digit Multimeter by Direct Method	0 °C to 1700 °C	0.6 °C
94	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple S Type	Using 8½ Digit Multimeter by Direct Method	0 °C to 1700 °C	0.6 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	78 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
95	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple T Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 400 °C	0.14 °C
96	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 800 °C	0.25 °C
97	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple B Type	Using Multiproduct Calibrator by Direct Method	450 °C to 1820 °C	0.8 °C
98	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple E Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.15 °C
99	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple J Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.6 °C
100	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple K Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.6 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	79 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
101	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple N Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.6 °C
102	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple R Type	Using Multiproduct Calibrator by Direct Method	100 °C to 1700 °C	0.65 °C
103	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple S Type	Using Multiproduct Calibrator by Direct Method	100 °C to 1700 °C	0.65 °C
104	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple T Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 400 °C	0.21 °C
105	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	1 MHz to 10 MHz	0.016 % to 0.06 %
106	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 8½ Digit Multimeter by Direct Method	10 Hz to 1 MHz	0.06 % to 0.006 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	80 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
107	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	10 Hz to 1000 kHz	0.068 %
108	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Totalizer by Comparison Method	1 s to 1800 s	0.37 s to 1 s
109	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Totalizer by Comparison Method	1800 s to 86400 s	1 s to 121 s
110	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 MHz to 10 MHz	0.08 % to 0.15 %
111	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	10 Hz to 1 MHz	0.058 % to 0.08 %
112	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Contact Type	Using RPM Tachometer, RPM Generator by Comparison Method	10 rpm to 100 rpm	0.63 rpm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	81 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
113	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Contact Type	Using RPM Tachometer, RPM Generator by Comparison Method	> 100 rpm to 1000 rpm	3.5 rpm
114	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Contact Type	Using RPM Tachometer, RPM Generator by Comparison Method	> 1000 rpm to 4000 rpm	10 rpm
115	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Non - Contact Type	Using Tachometer, RPM Generator by Comparison Method	10 rpm to 100 rpm	0.7 rpm
116	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Non - Contact Type	Using Tachometer, RPM Generator by Comparison Method	> 100 rpm to 4000 rpm	3.7 rpm
117	MECHANICAL-ACCELERATION AND SPEED	RPM Meter, Tachometer - Non - Contact Type	Using Tachometer, RPM Generator by Comparison Method	> 4000 rpm to 90000 rpm	27.49 rpm
118	MECHANICAL-ACCELERATION AND SPEED	RPM of Stirrer	Using Tachometer by Direct Method	> 100 rpm to 4000 rpm	3.7 rpm
119	MECHANICAL-ACCELERATION AND SPEED	RPM of Stirrer	Using Tachometer by Direct Method	10 rpm to 100 rpm	0.844 rpm
120	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Acceleration (g) @ (79.58 Hz & 159.2 Hz)	Using Vibration Meter Calibrator by Direct Method as per ISO 16063-21	1 m/s^2 to 10 m/s^2	0.26 m/s^2

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	82 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
121	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Acceleration (g) @ 15.92 Hz	Using Vibration Meter Calibrator by Direct Method as per ISO 16063-21	1 m/s^2	0.08 m/s^2
122	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Acceleration (g) @ 636.6 Hz	Using Vibration Meter Calibrator by Direct Method as per ISO 16063-21	1 m/s^2	0.078 m/s^2
123	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Displacement @ 100 Hz	Using Vibration Meter, Vibration Generator Calibrator by Comparison Method as per ISO 16063-21	0 to 145 µm	2.426 %
124	MECHANICAL-ACCELERATION AND SPEED	Vibration Meter, Acceleration Meter / Sensor - Velocity @ 100 Hz	Using Vibration Meter, Vibration Generator by Comparison Method as per ISO 16063-21	0 to 20 mm/s	0.52 mm/s
125	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer - Traverse (L.C.: 0.001 mm)	Using Extensometer Calibrator by Comparison Method as per ASTM E83	Up to 5 mm	5 µm

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	83 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
126	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer - Traverse (L.C.: 0.001 mm)	Using Extensometer Calibrator by Comparison Method as per IS 12872 : 2021, ISO 9513 : 2012	Up to 5 mm	5 µm
127	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital (L.C.: 0.1 µm)	Using Slip Gauge, Long Slip Gauge by Comparison Method	0 to 1000 mm	10 µm
128	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate (Cast Iron / Granite) - Flatness	Using Digital Level by Comparison Method	Up to 4000 x 4000 mm	2.5 x sqrt {(L + W) / 125)} µm, where L and W are in mm
129	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge - Linear (L.C.: 0.1 µm)	Using Long Slip Gauge by Comparison Method	0 to 600 mm	10 µm
130	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge - Squareness (L.C.: 0.1 µm)	Using Master Square Cylinder by Comparison Method	0 to 600 mm	11.26 µm
131	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Angular (L.C.: 1 second of arc)	Using Angular Graticule Scale by Comparison Method	0 ° to 360 °	1.2 minute of arc

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	84 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
132	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Linear (L.C.: 0.001 mm)	Using Glass Scale by Comparison Method	0 to 300 mm	5 µm
133	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Video Measuring Machine - Angular (L.C.: 1 second of arc)	Using Angular Glass Graticule by Comparison Method	0 ° to 360 °	15 second of arc
134	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Video Measuring Machine, Microscope - Linear (L.C.: 0.0001 mm)	Using Glass Scale by Comparison Method	0 to 200 mm	3 µm
135	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E10	HBW 10/3000	1.6 %
136	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per IS 1500 : Part 2 : 2021 (ISO 6506-2 : 2017)	HBW 10/3000	1.6 %
137	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E10	HBW 2.5/187.5	1.6 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	85 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
138	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per IS 1500 : Part 2 : 2021 (ISO 6506-2 : 2017)	HBW 2.5/187.5	1.6 %
139	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E10	HBW 5/750	1.9 %
140	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per IS 1500 : Part 2 : 2021 (ISO 6506-2 : 2017)	HBW 5/750	1.9 %
141	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E18	HRA	1 HRA
142	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per IS 1586 : Part 2 : 2018, ISO 6508-2:2015	HRA	1 HRA

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	86 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
143	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E18	HRBW	1 HRBW
144	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per IS 1586 : Part 2 : 2018, ISO 6508-2:2015	HRBW	1 HRBW
145	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E18	HRC	1 HRC
146	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Hardness Test Blocks by Indirect Method as per IS 1586 : Part 2 : 2018, ISO 6508-2:2015	HRC	1 HRC
147	MECHANICAL-HARDNESS TESTING MACHINES	Test Force of Brinell Hardness Tester	Using Load Cell with Indicator by Direct Method as per IS 1500 : Part 2 : 2021 (ISO 6506-2 : 2017)	153.2 N to 29421 N	0.5 %

SCOPE OF ACCREDITATION

Laboratory Name : UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2412 **Page No** 87 of 98

Validity 10/09/2024 to 09/09/2026 **Last Amended on** 22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
148	MECHANICAL-HARDNESS TESTING MACHINES	Test Force of Rockwell Hardness Tester	Using Load Cell with Indicator by Direct Method as per IS 1586 : Part 2 : 2018, ISO 6508-2:2015	29.42 N to 1471 N	0.5 %
149	MECHANICAL-HARDNESS TESTING MACHINES	Test Force of Vickers Hardness Tester	Using Load Cell with Indicator by Direct Method as per IS 1501 (Part 2) : 2020, ISO 6507-2 : 2018	49.03 N to 294.2 N	0.5 %
150	MECHANICAL-HARDNESS TESTING MACHINES	Vicker Hardness Testing Machine	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E92	HV 10	1.5 %
151	MECHANICAL-HARDNESS TESTING MACHINES	Vicker Hardness Testing Machine	Using Standard Hardness Test Blocks by Indirect Method as per IS 1501 (Part 2) : 2020. ISO 6507-2 : 2018	HV 10	1.5 %
152	MECHANICAL-HARDNESS TESTING MACHINES	Vicker Hardness Testing Machine	Using Standard Hardness Test Blocks by Indirect Method as per ASTM E92	HV 30	1.5 %

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	88 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
153	MECHANICAL-HARDNESS TESTING MACHINES	Vicker Hardness Testing Machine	Using Standard Hardness Test Blocks by Indirect Method as per IS 1501 (Part 2) : 2020. ISO 6507-2 : 2018	HV 30	1.5 %
154	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Magnehelic Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Pneumatic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 20 mbar	0.011 mbar
155	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Magnehelic Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Pneumatic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 200 mbar	0.13 mbar

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	89 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
156	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Hydraulic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Hydraulic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 400 bar	0.15 bar
157	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Hydraulic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Hydraulic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.56 bar
158	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Pneumatic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 1 bar	0.00086 bar

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	90 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
159	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Transmitter, Pressure Transducer, Pressure Switch - Pneumatic Medium	Using Digital Pressure Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 30 bar	0.143 bar
160	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Vacuum Gauge, Vacuum Transmitter, Vacuum Transducer, Vacuum Switch - Pneumatic Pressure	Using Digital Vacuum Calibrator, 6½ Digit Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	(-) 0.93 bar to 0 bar	0.0007 bar
161	MECHANICAL-TORQUE GENERATING DEVICES	Torque Tool - Pneumatic, Electrical, Hydraulic and Oil Pulse Tool	Using Torque Sensor with Indicator as per IS 15411:2021	1 Nm to 10 Nm	0.44 %
162	MECHANICAL-TORQUE GENERATING DEVICES	Torque Tool - Pneumatic, Electrical, Hydraulic and Oil Pulse Tool	Using Torque Sensor with Indicator as per IS 15411:2021	10 Nm to 50 Nm	0.8 %
163	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM, CTM, Spring Testing Machine - Compression Mode	Using Load Cells with Indicator by Comparison Method as per IS 1828 (Part 1) : 2022 ISO 7500-1 : 2018	20 N to 1000 kN	0.66 %

SCOPE OF ACCREDITATION

Laboratory Name : UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2412 **Page No** 91 of 98

Validity 10/09/2024 to 09/09/2026 **Last Amended on** 22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
164	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class I & Coarser (Readability : 0.01 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 82 g	0.03 mg
165	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class I & Coarser (Readability : 0.1 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 220 g	0.22 mg
166	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class II & Coarser (Readability : 1 mg)	Using E1, F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 1.02 kg	3 mg
167	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class II & Coarser (Readability : 10 mg)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 2.2 kg	30 mg
168	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class II & Coarser (Readability : 100 mg)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 32.2 kg	250 mg
169	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance - Class IIII (Readability : 10 g)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 200 kg	58 g

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	92 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
170	THERMAL-SPECIFIC HEAT & HUMIDITY	Environmental Chamber, Climatic Chamber, Humidity Chamber - Multi Position (Minimum 9 Sensors) @ 35°C to 50°C	Using Humidity Data Logger by Comparison Method	20 %RH to 95 %RH	4.67 %RH
171	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Environmental Chamber , Climatic Chamber, Humidity Chamber, Humidity Calibrator - Single Position @ 20°C to 50°C	Using Temperature & Humidity Meter with Probe by Comparison Method	10 %RH to 95 %RH	2 %RH
172	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Sensor / Transducer / Transmitter with Indicator or without Indicator, Thermo Hygrometer, Data Logger with Indicator or without Indicator - @ 20°C to 35°C	Using Temperature & Humidity Meter with Probe & 6½ Digit Multimeter, Temperature and Humidity Generator by Comparison Method	10 %RH to 95 %RH	2 %RH

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	93 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
173	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Sensor / Transducer / Transmitter with Indicator or without Indicator, Thermo Hygrometer, Data Logger with Indicator or without Indicator - @ 35°C to 50°C	Using Temperature & Humidity Meter with Probe & 6½ Digit Multimeter, Temperature and Humidity Generator by Comparison Method	10 %RH to 50 %RH	2 %RH
174	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Sensor / Transducer / Transmitter with Indicator or without Indicator, Thermo Hygrometer, Data Logger with Indicator or without Indicator - @ 50 %RH	Using RTD & 6½ Digit Multimeter, Temperature & Humidity Meter with Probe, Temperature and Humidity Generator by Comparison Method	5 °C to 50 °C	0.3 °C
175	THERMAL-TEMPERATURE	Dial Thermometer	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Bath by Comparison Method	(-) 35 °C to 140 °C	0.2 °C
176	THERMAL-TEMPERATURE	Dial Thermometer	Using RTD (PT 100), Digital Temperature Indicator & Liquid Bath by Comparison Method	(-) 35 °C to 140 °C	0.2 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	94 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
177	THERMAL-TEMPERATURE	Dial Thermometer	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Bath by Comparison Method	> 140 °C to 250 °C	0.68 °C
178	THERMAL-TEMPERATURE	Dial Thermometer	Using RTD (PT 100), Digital Temperature Indicator & Liquid Bath by Comparison Method	> 140 °C to 250 °C	0.68 °C
179	THERMAL-TEMPERATURE	Freezer, Cold Chamber, Oven, Furnace, Coating Oven - Multi Position (Minimum 9 Sensors)	Using PT 100 Sensor with Data Logger by Comparison Method	(-) 40 °C to 400 °C	2.6 °C
180	THERMAL-TEMPERATURE	Indicator with Sensor of Dry Block Calibrator - Single Position	Using R Type Thermocouple, 6½ Digit Multimeter by Comparison Method	600 °C to 1200 °C	1.3 °C
181	THERMAL-TEMPERATURE	Indicator with Sensor of Dry Block Calibrator - Single Position	Using R Type Thermocouple, DAQ Temperature Scanner by Comparison Method	600 °C to 1200 °C	1.3 °C
182	THERMAL-TEMPERATURE	Indicator with Sensor of Freezer, Cold Chamber, Oven, Furnace - Single Position	Using RTD (PT 100) & 6½ Digit Multimeter by Comparison Method	(-) 65 ºC to 600 ºC	1.6 ºC

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	95 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
183	THERMAL-TEMPERATURE	Indicator with Sensor of Liquid Bath, Dry Block Calibrator - Single Position	Using RTD (PT 100), 6½ Digit Multimeter by Comparison Method	(-) 100 °C to 140 °C	0.1 °C
184	THERMAL-TEMPERATURE	Indicator with Sensor of Liquid Bath, Dry Block Calibrator - Single Position	Using RTD (PT 100), 6½ Digit Multimeter by Comparison Method	140 °C to 600 °C	0.4 °C
185	THERMAL-TEMPERATURE	Indicator with Sensor of Liquid Bath, Dry Block Calibrator - Single Position	Using RTD (PT 100), Temperature Indicator by Comparison Method	(-) 100 °C to 140 °C	0.1 °C
186	THERMAL-TEMPERATURE	Indicator with Sensor of Liquid Bath, Dry Block Calibrator - Single Position	Using RTD (PT 100), Temperature Indicator by Comparison Method	140 °C to 600 °C	0.4 °C
187	THERMAL-TEMPERATURE	IR Digital Thermometer / Gun, Pyrometer (Emissivity 0.95)	Using IR Thermometer, Black Body Source by Comparison Method	> 100 °C to 500 °C	3 °C
188	THERMAL-TEMPERATURE	IR Digital Thermometer / Gun, Pyrometer (Emissivity 0.95)	Using IR Thermometer, Black Body Source by Comparison Method	0 °C to 100 °C	2.88 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	96 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
189	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), Digital Temperature Indicator & Liquid Bath by Comparison Method	(-) 35 °C to 140 °C	0.2 °C
190	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Bath by Comparison Method	(-) 35 °C to 140 °C	0.2 °C
191	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), Digital Temperature Indicator & Liquid Bath by Comparison Method	> 140 °C to 250 °C	0.68 °C
192	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Bath by Comparison Method	> 140 °C to 250 °C	0.68 °C
193	THERMAL-TEMPERATURE	Oven, Furnace - Multi Position (Minimum 9 Sensors)	Using N Type Thermocouple with Data logger by Comparison Method	400 °C to 1200 °C	3.8 °C
194	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), 6½ Digit Multimeter & Dry Block Calibrator by Comparison Method	(-) 100 °C to (-) 35 °C	0.3 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	97 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
195	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), Temperature Indicator, Dry Block Calibrator by Comparison Method	(-) 100 °C to (-) 35 °C	0.1 °C
196	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), Temperature Indicator, Liquid Nitrogen Bath by Comparison Method	(-) 196 °C	0.2 °C
197	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), 6½ Digit Multimeter & Liquid Nitrogen Bath by Comparison Method	(-) 196 °C	0.2 °C
198	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), Digital Temperature Indicator & Dry Bath by Comparison Method	(-) 35 °C to 140 °C	0.06 °C
199	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), Digital Temperature Indicator, Dry Block by Comparison Method	140 °C to 600 °C	0.34 °C

SCOPE OF ACCREDITATION

Laboratory Name :	UNIVERSAL CALIBRATION SERVICES PVT. LIMITED, PLOT NO-G-43/1&2, G-44/1&2, G-BLOCK, AJANTA NAGAR, MIDC, CHINCHWAD, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2412	**Page No**	98 of 98
Validity	10/09/2024 to 09/09/2026	**Last Amended on**	22/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
200	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), 6½ Digit Multimeter, Dry Bath by Comparison Method	(-) 35 °C to 140 °C	0.05 °C
201	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator / Data Logger / Recorder	Using RTD (PT 100), 6½ Digit Multimeter, Dry Block by Comparison Method	140 °C to 600 °C	0.4 °C
202	THERMAL-TEMPERATURE	Thermocouple with or without Indicator / Data Logger / Recorder	Using R Type Thermocouple, 6½ Digit Multimeter, Temperature Indicator, Dry Block by Comparison Method	600 °C to 1200 °C	1.28 °C

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