



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	1 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit DMM by Direct/Comparison method	1 mA to 3 A	0.16 % to 0.40 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit DMM by Direct method	3 A to 10 A	0.40%
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit DMM by Direct method	33 µA to 1 mA	0.76 % to 0.16 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	1 V to 10 V	0.10%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	2 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	10 V to 100 V	0.10 % to 0.11 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	100 mV to 1 V	0.12 % to 0.10 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	100 V to 1000 V	0.11%
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	3 mV to 100 mV	2.23 % to 0.12 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance	Using LCR Meter by Direct method	100 µF to 1 nF	0.42 % to 0.69 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI,
VALSAD, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2657

Page No

3 of 52

Validity

13/10/2022 to 12/10/2024

Last Amended on

15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / 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)	Inductance	Using LCR Meter by Direct method	100 μ H to 1 H	0.41%
11	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Calibrator with current coil by Direct method	20 A to 1000 A	0.80 % to 0.81 %
12	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Calibrator by Direct method	3 A to 20 A	0.21 % to 0.8 %
13	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Calibrator by Direct method	3.3 mA to 330 mA	0.33 % to 0.17 %
14	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Calibrator by Direct method	330 mA to 3 A	0.17 % to 0.21 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	4 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / 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) (Source)	AC Energy (1phase & 3 phase) PF -0.5 to 0.5 (50 Hz,240 V,1A to 5A)	Using 3 Phase power source & 3 phase power meter by Comparison method	120 Wh to 720 Wh	1.54%
16	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power PF (-0.5 to 0.5) (240 V,1A to 5A)	Using 3 phase power source & 3 phase power meter by Comparison method	120 W to 1.2 kW	1.14%
17	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Calibrator by Direct method	10 mV to 33 mV	1.1 % to 0.61 %
18	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Calibrator by Direct method	33 mV to 330 mV	0.61 % to 0.21 %
19	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Calibrator by Direct method	330 mV to 1000 V	0.21%
20	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance	Using Decade Capacitance Box by Direct method	1 µF to 100 µF	0.24 % to 0.69 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	5 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
21	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance	Using Decade Capacitance Box by Direct method	1 nF to 1 μ F	0.25 % to 0.24 %
22	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance	Using Decade Inductance Box by Direct method	100 μ H to 1 H	0.34 % to 0.99 %
23	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	1 A to 10 A	0.10 % to 0.19 %
24	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	1 mA to 10 mA	0.06 % to 0.081 %
25	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	10 mA to 100 mA	0.081 % to 0.064 %
26	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	100 mA to 1 A	0.064 % to 0.10 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	6 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	200 µA to 1 mA	0.066 % to 0.06 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM by Direct method	1 Mohm to 10 Mohm	0.014 % to 0.048 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM by Direct method	10 Mohm to 100 Mohm	0.048 % to 0.94 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM by Direct method	10 Ohm to 1 Mohm	0.046 % to 0.014 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM & Calibrator by Direct method	10 µohm to 100 µohm	2.19 % to 0.81 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM by Direct method	2 Ohm to 10 Ohm	0.23 % to 0.046 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	7 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit DMM by Direct method	1 mV to 100 mV	0.06 % to 0.008 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit DMM by Direct method	10 V to 1000 V	0.0035 % to 0.006 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit DMM by Direct method	100 mV to 10 V	0.008 % to 0.0035 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Calibrator by Direct method	1 mA to 3.3 mA	0.12 % to 0.088 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Calibrator and Current Coil by Direct method	20 A to 1000 A	0.68 % to 0.82 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Calibrator by Direct method	3 A to 20 A	0.24 % to 0.69 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	8 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Calibrator by Direct method	3.3 mA to 330 mA	0.088 % to 0.067 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Calibrator by Direct method	330 mA to 3 A	0.067 % to 0.24 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire Method)	Using High Precision Decade resistance Box by Direct method	1 mohm to 1 Ohm	5.78 % to 0.06 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire Method)	Using High Precision Decade resistance Box by Direct method	1 Ohm to 10 kohm	0.06%
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire Method)	Using High Precision Decade resistance Box by Direct method	10 kohm to 100 kohm	0.06 % to 0.58 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire Method)	Using Decade Box by Direct method	100 kohm to 1000 Mohm	2.38 % to 2.31 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	9 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire Method)	Using Micro Ohm meter calibrator by Direct method	1 mohm	0.066mohm
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire Method)	Using Micro Ohm meter calibrator by Direct method	10 mohm	0.0084mohm
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire Method)	Using Micro Ohm meter calibrator by Direct method	10 µohm	0.36µohm
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire Method)	Using Micro Ohm meter calibrator by Direct method	100 µohm	1.27µohm
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire Method)	Using Micro Ohm meter calibrator by Direct method	100 mohm	0.070mohm
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Calibrator by Direct method	1 mV to 330 mV	1.28 % to 0.019 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	10 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Calibrator by Direct method	30 V to 1000 V	0.014 % to 0.017 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Calibrator by Direct method	330 mV to 30 V	0.019 % to 0.014 %
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation J Type Thermocouple	Using Precision process Calibrator by Direct method	-200 °C to 1200 °C	0.18°C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation K Type Thermocouple	Using Precision process Calibrator by Direct method	-200 °C to 1370 °C	0.23°C
55	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation R Type Thermocouple	Using Precision process Calibrator by Direct method	0 °C to 1760 °C	0.81°C
56	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation RTD Mode	Using Precision process Calibrator by Direct method	-200 °C to 800 °C	0.07°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	11 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
57	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation S Type Thermocouple	Using Precision process Calibrator by Direct method	0 °C to 1760 °C	0.82°C
58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation T Type Thermocouple	Using Precision process Calibrator by Direct method	-200 °C to 400 °C	0.13°C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator/Controller PT-100	Using Calibrator by Direct method	-200 °C to 630 °C	0.07°C
60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator/Controller Thermocouple (R, S Type)	Using Calibrator by Direct method	0 °C to 1750 °C	0.45°C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator/Controller Thermocouple J Type	Using Calibrator by Direct method	-200 °C to 1370 °C	0.13°C
62	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator/Controller Thermocouple K Type	Using Calibrator by Direct method	0 °C to 1370 °C	0.16°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	12 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
63	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator/Controller Thermocouple T Type	Using Calibrator by Direct method	-200 °C to 400 °C	0.41°C
64	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit DMM by Direct method	10 Hz to 1 kHz	0.57 % to 0.58 %
65	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Direct method	1 hr to 23 hr	1.4 s to 34 s
66	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Direct method	1 s to 1 hr	0.62 s to 1.40 s
67	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct method	40 Hz to 1000 Hz	0.28 % to 0.06 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2657 **Page No** 13 of 52

Validity 13/10/2022 to 12/10/2024 **Last Amended on** 15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
68	FLUID FLOW-FLOW MEASURING DEVICES	Mass Flow Rate (Air), Analog & Digital Rotameter, Flowmeter, Gas Flow Meter, Dry Gas Meter, Flow Rate Measuring Meters	Using Digital Mass Flowmeter by Comparison method	10 lpm to 100 lpm	3.72%
69	FLUID FLOW-FLOW MEASURING DEVICES	Velocity/Anemometer/Velocity Sensor(Air)/ Velocity Sensor with indicator, Vane Type Anemometer, Hot Wire Anemometer, Capture Hood	Using Hot Wire Anemometer & Wind Tunnel by Comparison method	0.2 m/s to 3 m/s	10.9%
70	FLUID FLOW-FLOW MEASURING DEVICES	Velocity/Anemometer/Velocity Sensor(Air)/ Velocity Sensor with indicator, Vane Type Anemometer, Hot Wire Anemometer, Capture Hood	Using Hot Wire Anemometer & Wind Tunnel by Comparison method	3 m/s to 20 m/s	3.6%
71	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Water), Analog & Digital Water Flow meter	Using Magnetic Flow Meter by Comparison method	10 lpm to 41 lpm	1.35%
72	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Water), Analog & Digital Water Flow meter	Using Magnetic Flow Meter by Comparison method	2 m ³ /h to 19.5 m ³ /h	1.32%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2657
Validity	13/10/2022 to 12/10/2024
Page No	14 of 52
Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
73	MECHANICAL-ACCELERATION AND SPEED	Amplitude/Vibration Meter Acceleration	Using Vibration meter by Comparison method	1 m/s ² to 100 m/s ²	14.4 % to 6.6 %
74	MECHANICAL-ACCELERATION AND SPEED	Amplitude/Vibration Meter Displacement	Using Vibration meter by Comparison method	10 µm to 500 µm	13.8 % to 6.9 %
75	MECHANICAL-ACCELERATION AND SPEED	Amplitude/Vibration Meter Velocity	Using Vibration meter by Comparison method	2 mm/s to 100 mm/s	7.49%
76	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)/Stirrer/ RPM Source / RPM Indicator Vibrating Machine/ Centrifuge	Using Digital Tachometer by Comparison method	10 rpm to 5000 rpm	2.54%
77	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non Contact)/ Stroboscope/ Stirrer/ RPM Source/ Vibrating Machine/ Centrifuge	Using Digital Tachometer by Comparison method	10 rpm to 13000 rpm	2.54%
78	MECHANICAL-ACOUSTICS	Sound Level Meter @1kHz	Using sound level calibrator by Direct method	94 dB to 114 dB	0.8dB
79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor (L.C: 1 min & coarser)	Using Angle Gauge Block by Comparison method	0° to 90°	0.90minute



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	15 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge (For Transmission Error) L.C: 0.001 mm & coarser	Using Single Axis Measuring Machine by Comparison method	Up to 1 mm	0.94µm
81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/digital/dial) L.C: 0.01 mm & coarser	Using Caliper Checker and Slip Gauge by Comparison method	0 to 600 mm	16.5µm
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/digital/dial) L.C: 0.01 mm & coarser	Using Caliper Checker & Slip Gauge Set by Comparison method	0 to 300 mm	16.5µm
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge L.C: 0.1 µm and coarser	Using Thickness Foils by Comparison method	0.01 mm to 2 mm	3.4µm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set (L.C: 1°)	Using Angle Gauge Block by Comparison method	(0°- 90°- 0°)	35minute



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	16 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Degree Protractor (L.C: 1° & coarser)	Using Angle Gauge Block by Comparison method	(0°- 90°- 0°) to	35minute
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Snap Gauge (L.C: 0.1 mm & coarser)	Using Gauge Block Set by Comparison method	5 mm to 150 mm	6µm
87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge L.C: 0.001 mm & coarser	Using Gauge Block Set by Comparison method	0 to 1 mm	0.63µm
88	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge L.C: 0.01 mm & coarser	Using Gauge Block Set by Comparison method	0 to 20 mm	5.8µm
89	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C: 0.001 mm & coarser	Using Micrometer Check Set, Gauge Block Set by Comparison method	0 to 150 mm	2.3µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	17 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
90	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C: 0.01 mm & coarser	Using Micrometer Check Set, Long Gauge Block Set by Comparison method	150 mm to 600 mm	20µm
91	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Single Axis Measuring Machine by Comparison method	0.05 mm to 3 mm	1.6µm
92	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Vernier/digital/dial) L.C: 0.01 mm & coarser	Using Slip Gauge Set, Surface Plate & Caliper Checker by Comparison method	0 to 300 mm	12.8µm
93	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Vernier/digital/dial) L.C: 0.01 mm & coarser	Using Slip Gauge Set, Surface Plate & Caliper Checker by Comparison method	0 to 600 mm	17µm
94	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial L.C: 0.001 mm & coarser	Using Single Axis Measuring Machine by Comparison method	0 to 0.14 mm	0.9µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	18 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
95	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial L.C: 0.01 mm & coarser	Using Single Axis Measuring Machine by Comparison method	0 to 1.6 mm	6µm
96	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Pin/Thread Measuring Wire	Using Single Axis Measuring Machine by Comparison method	0.17 mm to 20 mm	0.71µm
97	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale L.C: 0.01 mm & Coarser	Using Tape & Scale Calibrator by Comparison method	0 to 1000 mm	290µm
98	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape L.C: 0.5 mm & Coarser	Using Tape & Scale Calibrator by Comparison method	0 to 50 m	290xSQRT(L)µm, where L in m
99	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Single Axis Measuring Machine, Comparator Stand, Digital/Dial, Long Gauge Block by Comparison method	25 mm to 300 mm	2.8µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	19 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
100	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Comparator Stand, Digital dial and Long Gauge Block by Comparison method	300 mm to 575 mm	6µm
101	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pie Tape (L.C: 0.5 mm & coarser)	Using Tape & Scale Calibrator by Comparison method	1 m to 50 m	290xSQRT(L)µm, where L in m
102	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Single Axis Measuring Machine by Comparison method	2 mm to 225 mm	1.7µm
103	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge	Using Single Axis Measuring M/C, Master Ring Gauge by Comparison method	3 mm to 200 mm	3.5µm
104	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Taper Gauge (Major diameter, Minor diameter)	Using Single Axis Measuring Machine by Comparison method	4 mm to 60 mm	2.83µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	20 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
105	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Taper Gauge (Taper Angle)	Using Single Axis Measuring Machine by Comparison method	0° to 60°	46s
106	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial L.C: 0.001 mm & coarser	Using Single Axis Measuring Machine by Comparison method	0 to 10 mm	1.3µm
107	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial L.C: 0.01 mm & coarser	Using Single Axis Measuring Machine by Comparison method	0 to 50 mm	6µm
108	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Vision Inspection System by Comparison method	R1 mm to R40 mm	8µm
109	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Single Axis Measuring Machine by Comparison method	5 mm to 150 mm	1.6µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	21 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
110	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spirit Level / Electronic Level (L.C: 0.02 mm/m, Up to 300 mm Base Length)	Using Dial Indicator with Tilting Level Setup by Comparison method	Up to 0.10 mm	10µm/mm
111	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Scale / Taper Bore Gauge (L.C: 0.001 mm & Coarser)	Using Vision Measuring Machine by Comparison method	4 mm to 60 mm	58µm
112	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Vision Inspection System by Comparison method	0.032 mm to 50 mm	7.5µm
113	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Vision Inspection System Digital Caliper by Comparison method	50 mm to 125 mm	32µm
114	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Foils	Using Digital Micrometer/Single Axis Measuring Machine by Comparison method	10 µm to 2 mm	2.3µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	22 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
115	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch gauge Angle measurement	Using Vision Inspection System by Comparison method	55° & 60°	4.1minute of arc
116	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch gauge Pitch measurement	Using Vision Inspection System by Comparison method	0.4 mm to 6 mm	8.1µm
117	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge (effective Dia)	Using Single Axis Measuring Machine, master Ring Gauge by Comparison method	3 mm to 225 mm	2µm
118	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge (Effective Dia.)	Using Single Axis Measuring Machine, master Ring Gauge by Comparison method	4 mm to 100 mm	3.07µm
119	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge)Digital & Dial Pressure Gauge, Pressure Transmitter ,Pressure Switch	Using Digital Pressure Gauge & Pressure Comparator/ Digital Multimeter Comparison Method as per DKD R-6-1	0 bar to 3 bar	0.003bar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	23 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / 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-PRESSURE INDICATING DEVICES	(Hydraulic Pressure Gauge)Digital & Dial Pressure Gauge, Pressure Transmitter, Pressure Switch	Using Digital Pressure Gauge & Pressure Comparator/ Digital Multimeter by Comparison method as per DKD R-6-1	0 bar to 300 bar	0.085bar
121	MECHANICAL-PRESSURE INDICATING DEVICES	(Hydraulic Pressure Gauge) Digital & Dial Pressure Gauge	Using Dead Weight Tester & Pressure Comparator by Comparison method as per DKD R-6-1	3.5 bar to 60 bar	0.06bar
122	MECHANICAL-PRESSURE INDICATING DEVICES	(Hydraulic Pressure Gauge) Digital & Dial Pressure Gauge	Using Dead Weight Tester & Pressure Comparator by Comparison method as per DKD R-6-1	60 bar to 1000 bar	0.31bar
123	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge) Digital & Dial Pressure Gauge	Using Multifunction Calibrator, Digital Pressure Gauge & Pressure Comparator by Comparison method using DKD-R-6-1	0 mbar to 10 mbar	0.068mbar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	24 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
124	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge) Digital & Dial Pressure Gauge	Using Multifunction Calibrator/ Digital Pressure Gauge/ Pressure Comparator/ Digital Multimeter by Comparison method using DKD R-6-1	0 mbar to 50 mbar	0.03mbar
125	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge) Digital & Dial Pressure Gauge, Pressure Transmitter, Pressure Switch	Using Multifunction Calibrator/ Digital Pressure Gauge/ Pressure Comparator/ Digital Multimeter by Comparison method using DKD R-6-1	0 bar to 20 bar	0.004bar
126	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge) Digital & Dial Pressure Gauge, Pressure Transmitter, Pressure Switch	Using Multifunction Calibrator/ Digital Pressure Gauge/ Pressure Comparator/ Digital Multimeter by Comparison method using DKD R-6-1	0 bar to 30 bar	0.008bar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	25 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
127	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge) Digital & Dial Pressure Gauge, Pressure Transmitter, Pressure Switch	Using Multifunction Calibrator/ Digital Pressure Gauge/ Pressure Comparator/ Digital Multimeter by Comparison method using DKD R-6-1	0 mbar to 488 mbar	0.16mbar
128	MECHANICAL-PRESSURE INDICATING DEVICES	Barometer/ Digital Gauges	Using Digital Pressure Gauge & Pressure Comparator by Comparison method	940 mbar (abs) to 1030 mbar (abs)	1.72mbar
129	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Dial / Digital Gauges	Using Digital Vacuum Gauge & Comparator by Comparison method as per DKD R-6-2	(-1.0) bar to 0 bar	0.002bar
130	MECHANICAL-TORQUE GENERATING DEVICES	TORQUE WRENCH / TORQUE METER/ DIGITAL TORQUE WRENCH/TORQUE SCREW DRIVER A. TORQUE INDICATOR TYPE I (A, B, C, D, E) B. TORQUE SETTING TYPE II (A, B, C, D, E, F, G)	Using Digital Torque Wrench Calibration System Based on ISO 6789-2:2017 in Clockwise Direction & Counter-Clockwise Direction	1 Nm to 10 Nm	2.49%rdg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	26 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / 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-TORQUE GENERATING DEVICES	TORQUE WRENCH / TORQUE METER/ DIGITAL TORQUE WRENCH/TORQUE SCREW DRIVER A. TORQUE INDICATOR TYPE I (A, B, C, D, E) B. TORQUE SETTING TYPE II (A, B, C, D, E, F, G)	Using Digital Torque Wrench Calibration System Based on ISO 6789-2:2017 in Clockwise Direction & Counter-Clockwise Direction	10 Nm to 100 Nm	1.1%rdg
132	MECHANICAL-TORQUE GENERATING DEVICES	TORQUE WRENCH / TORQUE METER/ DIGITAL TORQUE WRENCH/TORQUE SCREW DRIVER A. TORQUE INDICATOR TYPE I (A, B, C, D, E) B. TORQUE SETTING TYPE II (A, B, C, D, E, F, G)	Using Digital Torque Wrench Calibration System Based on ISO 6789-2:2017 in Clockwise Direction & Counter-Clockwise Direction.	100 Nm to 1000 Nm	0.63%rdg
133	MECHANICAL-VOLUME	Glassware-pipettes, Burettes, Measuring Cylinder, Volumetric Flask	Using Digital micro balance (5.1g) with readability 0.001 mg & Digital Semi Micro Balance (210g) with readability 0.01 mg & distilled water By gravimetric method based on IS/ISO 4787	(1 ml to 10 ml) @27°C	6.1µl



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	27 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
134	MECHANICAL-VOLUME	Glassware-pipettes, Burettes, Measuring Cylinder, Volumetric Flask	Using Digital Semi micro balance of 210 g with readability 0.01 mg & distilled water By gravimetric method based on IS/ISO 4787	(10 ml to 200 ml) @27°C	25µl
135	MECHANICAL-VOLUME	Glassware-pipettes, Burettes, Measuring Cylinder, Volumetric Flask	Using Digital Semi micro balance of 210 g with readability 0.01 mg and Digital Balance of 6kg with readability 0.01 g & distilled water By gravimetric method based on IS/ISO 4787	(200 ml to 1000 ml) @27°C	0.45ml
136	MECHANICAL-VOLUME	Glassware-pipettes, Burettes, Measuring Cylinder, Volumetric Flask	Using Digital balance of 6 kg & 25 kg with readability 0.01g/0.1g & distilled water By gravimetric method based on IS/ISO 4787	(5 l to 20 l) @27°C	7ml



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	28 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
137	MECHANICAL-VOLUME	Glassware-pipettes, Burettes, Measuring Cylinder, Volumetric Flask	Using Digital balance of 1kg & 6kg with readability 0.001g/0.01g & distilled water By gravimetric method based on IS/ISO 4787	1000 ml to 5 l	0.5ml
138	MECHANICAL-VOLUME	Micro-pipette	Using Digital micro balance with readability 0.001 mg by Gravimetric method based on ISO 8655-6	1 µl to 10 µl	0.10µl
139	MECHANICAL-VOLUME	Micro-pipette	Using Digital micro balance with readability 0.001 mg by Gravimetric method based on ISO 8655-6	100 µl to 1000 µl	0.60µl
140	MECHANICAL-VOLUME	Micro-pipette (piston pipette)	Using Digital micro balance with readability 0.001 mg gravimetric method based on ISO 8655-6	10 µl to 100 µl	0.11µl
141	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R111-1	1 g	0.006mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	29 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
142	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R-111-1	1 mg	0.002mg
143	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.01 mg as per OIML R111-1	10 g	0.02mg
144	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R-111-1	10 mg	0.002mg
145	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.01 mg as per OIML R111-1	100 g	0.03mg
146	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R-111-1	100 mg	0.003mg
147	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R111-1	2 g	0.005mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	30 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / 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-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R111-1	2 mg	0.002mg
149	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.01 mg as per OIML R111-1	20 g	0.02mg
150	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R-111-1	20 mg	0.002mg
151	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.01 mg as per OIML R111-1	200 g	0.040mg
152	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R111-1	200 mg	0.005mg
153	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R111-1	5 g	0.010mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	31 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
154	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R-111-1	5 mg	0.002mg
155	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.01 mg as per OIML R111-1	50 g	0.02mg
156	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R111-1	50 mg	0.0023mg
157	MECHANICAL-WEIGHTS	Mass-Weights E2 & coarser	Using E1 Class weights and balance of readability 0.001 mg as per OIML R111-1	500 mg	0.005mg
158	MECHANICAL-WEIGHTS	Mass-Weights F2 & coarser	Using F1 Class weights and balance of readability 1 mg as per OIML R111-1	1 kg	1.34mg
159	MECHANICAL-WEIGHTS	Mass-Weights F2 & coarser	Using F1 Class weights and balance of readability 10 mg as per OIML R111-1	2 kg	12mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	32 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
160	MECHANICAL-WEIGHTS	Mass-Weights F2 & coarser	Using F1 Class weights and balance of readability 10 mg as per OIML R111-1	5 kg	16.4mg
161	MECHANICAL-WEIGHTS	Mass-Weights F2 & coarser	Using F1 Class weights and balance of readability 1 mg as per OIML R111-1	500 g	1.49mg
162	MECHANICAL-WEIGHTS	Mass-Weights M1 & coarser	Using F1 Class weights and balance of readability 100 mg as per OIML R111-1	10 kg	140mg
163	MECHANICAL-WEIGHTS	Mass-Weights M1 & coarser	Using F1 Class weights and balance of readability 100 mg as per OIML R111-1	20 kg	150mg
164	MECHANICAL-WEIGHTS	Mass-Weights M2 & coarser	Using M1 Class weights and balance of readability 1 g as per OIML R111-1	50 kg	1.63g
165	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, RH sensor/Transmitter with Indicator	Using HygroPalm, Humidity Generator by Comparison method	(15 %rh to 90 %rh) @25°C	1.78%rh
166	THERMAL-TEMPERATURE	Data Logger with sensor (Inbuilt/external (Temperature))	Using PT100 with Indicator & High Low Temp. Chamber by Comparison method	-30 °C to 50 °C	0.24°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	33 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
167	THERMAL-TEMPERATURE	Indicator with sensor of Liquid Bath, Dry Bath, Furnace (Single Position)	Using DAQS with SSPRT by Comparison method	100 °C to 400 °C	0.57°C
168	THERMAL-TEMPERATURE	Indicator with sensor of Liquid Bath, Dry Bath, Furnace (Single Position)	Using DAQS with SSPRT by Comparison method	400 °C to 600 °C	0.57°C
169	THERMAL-TEMPERATURE	Indicator with sensor of Liquid Bath, Dry Bath, Furnace (Single Position)	Using DAQS with SSPRT/Thermocouple by Comparison method	600 °C to 1200 °C	2.54°C
170	THERMAL-TEMPERATURE	Indicator with sensor of Liquid Bath, Dry Bath, Furnace (Single Position)	Using DAQS with SSPRT by Comparison method	-80 °C to 100 °C	0.54°C
171	THERMAL-TEMPERATURE	IR Thermometer, Pyrometer	Using Standard IR gun & Black body source (emissivity 0.95) by Comparison method	400 °C to 500 °C	3.97°C
172	THERMAL-TEMPERATURE	IR Thermometer, Pyrometer	Using Standard IR gun & Black body source (emissivity 0.95) by Comparison method	50 °C to 400 °C	2.19°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2657 **Page No** 34 of 52

Validity 13/10/2022 to 12/10/2024 **Last Amended on** 15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / 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-TEMPERATURE	Liquid in Glass Thermometer	Using Temperature Indicator with Sensor & liquid bath by Comparison method	-30 °C to 200 °C	0.85°C
174	THERMAL-TEMPERATURE	RTD/ Thermocouple With/ Without Controller/ Indicator/ Analogue Temperature Gauge, Temperature Transmitter	Using DAQS With SPRT Sensor, dry bath, Temperature Scanner/ Multifunctional Calibrator by Comparison method	50 °C to 600 °C	0.42°C
175	THERMAL-TEMPERATURE	RTD/ Thermocouple With/Without Controller/Indicator/ Analogue Temperature Gauge, Temperature Transmitter	Using PRT Sensor with Unit display, Negative bath, Temperature Scanner / Multifunctional Calibrator by Comparison method	-80 °C to 50 °C	0.36°C
176	THERMAL-TEMPERATURE	Thermo Hygrometer, Temp/RH Sensor/Transmitter with Indicator	Using HygroPalm, Humidity Generator by Comparison method	(10 °C to 50 °C) @ 50%rh	0.38°C
177	THERMAL-TEMPERATURE	Thermocouple With/Without Controller/Indicator	Using DAQS with 'S' Type Thermocouple Sensor, dry bath by Comparison method	600 °C to 1200 °C	2.49°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI,
VALSAD, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2657

Page No

35 of 52

Validity

13/10/2022 to 12/10/2024

Last Amended on

15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit DMM by Direct method	1 mA to 3 A	0.16 % to 0.40 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit DMM by Direct method	3 A to 10 A	0.40%
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit DMM by Direct method	33 µA to 1 mA	0.84 % to 0.16 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage	Using HV Probe with DMM by Direct method	2 kV to 28 kV	3.3 % to 1.8 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	36 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	1 V to 10 V	0.10%
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	10 V to 100 V	0.10 % to 0.15 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	100 mV to 1 V	0.20 % to 0.10 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	100 V to 1000 V	0.15 % to 1.01 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit DMM by Direct method	3 mV to 100 mV	0.30 % to 0.20 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	37 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / 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)	DC High Voltage	Using HV Probe with DMM by Direct method	2 kV to 30 kV	3.58 % to 3.53 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with 6 ¹ / ₂ Digit DMM by Direct method	1 mA to 10 mA	0.36 % to 0.43 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with 6 ¹ / ₂ Digit DMM by Direct method	10 mA to 330 mA	0.43 % to 0.28 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with 6 ¹ / ₂ Digit DMM by Direct method	3 A to 10 A	0.40 % to 0.53 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with 6 ¹ / ₂ Digit DMM by Direct method	330 mA to 3 A	0.28 % to 0.40 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	38 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / 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) (Source)	AC Energy (1phase & 3 phase) PF -0.5 to 0.5 (50 Hz,240 V,1A to 5A)	Using 3 phase power source & 3 phase power meter by Comparison method	1200 Wh to 3600 Wh	1.54%
16	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power PF (-0.5 to 0.5) (240 V,1A to 5A)	Using 3 phase power source & 3 phase power meter by Comparison method	120 W to 1.2 kW	1.14%
17	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage	Using Multifunction Calibrator with 6 ¹ / ₂ Digit DMM by Comparison method	1 V to 10 V	0.36%
18	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage	Using Multifunction Calibrator with 6 ¹ / ₂ Digit DMM by Comparison method	10 V to 100 V	0.36 % to 0.39 %
19	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage	Using Multifunction Calibrator with 6 ¹ / ₂ Digit DMM by Comparison method	100 mV to 1 V	0.4 % to 0.36 %
20	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage	Using Multifunction Calibrator with 6 ¹ / ₂ Digit DMM by Comparison method	100 V to 1000 V	0.39 % to 1.27 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	39 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
21	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	3 mV to 100 mV	0.26 % to 0.4 %
22	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	1 A to 10 A	0.10 % to 0.18 %
23	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	1 mA to 10 mA	0.06 % to 0.081 %
24	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	10 mA to 100 mA	0.081 % to 0.077 %
25	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	100 mA to 1 A	0.077 % to 0.10 %
26	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM by Direct method	200 µA to 1 mA	0.066 % to 0.06 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	40 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM by Direct method	1 Mohm to 10 Mohm	0.014 % to 0.048 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM & Calibrator by Direct method	10 µohm to 100 µohm	2.19 % to 0.81 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM by Direct method	10 Mohm to 100 Mohm	0.048 % to 2.28 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM by Direct method	10 Ohm to 1 Mohm	0.046 % to 0.014 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit DMM by Direct method	2 Ohm to 10 Ohm	0.23 % to 0.046 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit DMM by Direct method	1 mV to 100 mV	0.58 % to 0.032 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	41 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	1 mV to 100 mV	1.28 % to 0.13 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit DMM by Direct method	10 V to 1000 V	0.013 % to 0.18 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit DMM by Direct method	100 mV to 10 V	0.032 % to 0.013 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	1 A to 10 A	1.27 % to 0.22 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	1 mA to 10 mA	1.27%
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	10 mA to 100 mA	1.27%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	42 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	100 mA to 1 A	1.27%
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance	Using Calibrator by Direct method	2 Ohm to 4000 Ohm	1.8 % to 0.046 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	1 V to 10 V	1.27%
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	10 V to 100 V	1.27%
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	100 mV to 1 V	0.13 % to 1.27 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator with 6½ Digit DMM by Comparison method	100 V to 1000 V	1.27%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	43 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
45	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation J Type	Using Calibrator by Direct method	-200 °C to 1200 °C	0.38°C
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation K Type Thermocouple	Using Calibrator by Direct method	-200 °C to 1370 °C	0.40°C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation PT-100	Using Calibrator by Direct method	-200 °C to 800 °C	0.14°C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation R Type Thermocouple	Using Calibrator by Direct method	0 °C to 1750 °C	0.86°C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation S type	Using Calibrator by Direct method	0 °C to 1750 °C	0.93°C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation T Type Thermocouple	Using Calibrator by Direct method	-200 °C to 400 °C	0.27°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	44 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator/Controller PT-100	Using Calibrator by Direct method	-200 °C to 800 °C	0.21°C
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator/Controller Thermocouple (R, S Type)	Using Calibrator by Direct method	0 °C to 1750 °C	0.72°C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple (Temperature Indicator/Controller/ Recorder) J Type	Using Calibrator by Direct method	-200 °C to 1200 °C	0.37°C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple (Temperature Indicator/Controller/ Recorder) K Type	Using Calibrator by Direct method	-200 °C to 1370 °C	0.36°C
55	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple (Temperature Indicator/Controller/ Recorder) T Type	Using Calibrator by Direct method	-200 °C to 400 °C	0.36°C
56	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit DMM by Direct method	10 Hz to 1 kHz	0.13 % to 0.58 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	45 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
57	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Direct method	1 hr to 23 hr	1.88 s to 34 s
58	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Direct method	1 s to 1 hr	0.62 s to 1.88 s
59	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct method	40 Hz to 1000 Hz	0.50 % to 0.26 %
60	FLUID FLOW-FLOW MEASURING DEVICES	Mass Flow Rate (Air), Analog & Digital Rotameter, FlowMeter, Gas Flow Meter, Dry Gas Meter, Flow Rate Measuring Meters	Using Digital Mass Flowmeter by Comparison method	10 lpm to 100 lpm	3.72%
61	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Water),Analog & Digital Water Flow meter	Using Ultrasonic Flowmeter by Comparison method	2.5 m ³ /h to 450 m ³ /h	2.9%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	46 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
62	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type) /Stirrer / RPM Source / RPM Indicator Vibrating Machine/ Centrifuge	Using Digital Tachometer by Comparison method	10 rpm to 5000 rpm	2.54%
63	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non Contact)/ Stroboscope/ Stirrer/ RPM Source/ Vibrating Machine/ Centrifuge	Using Digital Tachometer by Comparison method	10 rpm to 13000 rpm	2.54%
64	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector/Optical Microscope/Tool Makers Microscope / Vision Measuring M/C (L.C: 0.0001 mm & coarser) Linear X,Y Axis	Using Glass Scale by Comparison method	0 to 200 mm	9µm
65	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector/Optical Microscope/Tool Makers Microscope / Vision Measuring M/C (L.C: 0.0001 mm & coarser) Angular	Using Angle Gauge by Comparison method	0° to 90°	3minute



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-2657
Validity	13/10/2022 to 12/10/2024
Page No	47 of 52
Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
66	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector/Optical Microscope/Tool Makers Microscope / Vision Measuring M/C (L.C: 0.0001 mm & coarser) Magnification	Using Glass Scale and Digital Caliper by Comparison method	10X to 100X	0.6%
67	MECHANICAL-PRESSURE INDICATING DEVICES	(Hydraulic Pressure Gauge) Digital & Dial Pressure Gauge, Pressure Transmitter, Pressure Switch	Using Digital Pressure Gauge & Pressure Comparator/ Digital Multimeter by Comparison method as per DKD R-6-1	0 bar to 300 bar	0.14bar
68	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge)Digital & Dial Pressure Gauge, Pressure Transmitter, Pressure Switch	Using Multifunction Calibrator/ Digital Pressure Gauge/ Pressure Comparator/ Digital Multimeter by Comparison method using DKD R-6-1	0 mbar to 488 mbar	0.6mbar
69	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge) Digital & Dial Pressure Gauge	Using Multifunction Calibrator, Digital Pressure Gauge & Pressure Comparator by Comparison method using DKD-R-6-1	0 mbar to 10 mbar	0.068mbar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	48 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
70	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge) Digital & Dial Pressure Gauge	Using Multifunction Calibrator/ Digital Pressure Gauge/ Pressure Comparator/ Digital Multimeter by Comparison method using DKD R-6-1	0 mbar to 50 mbar	0.63mbar
71	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge) Digital & Dial Pressure Gauge, Pressure Transmitter, Pressure Switch	Using Digital Pressure Gauge & Pressure Comparator/ Digital Multimeter by Comparison method as per DKD R-6-1	0 bar to 3 bar	0.003bar
72	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic Pressure Gauge) Digital & Dial Pressure Gauge, Pressure Transmitter, Pressure Switch	Using Multifunction Calibrator/ Digital Pressure Gauge/ Pressure Comparator/ Digital Multimeter by Comparison method using DKD R-6-1	0 bar to 30 bar	0.01bar
73	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Dial / Digital Gauges	Using Digital Vacuum Gauge & Comparator by Comparison method as per DKD R-6-2	(-1.0) bar to 0 bar	0.002bar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	49 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
74	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass-Electronic Weighing Balance with Readability (L.C: 0.001 mg)	Using E1 Class weights by Calibration of electronic weighing balance of class I and coarser As per OIML R-76-1	Up to 5 g	0.01mg
75	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass-Electronic Weighing Balance With Readability (L.C: 0.01 mg)	Using E1 Class weights by Calibration of electronic weighing balance of class I and coarser As per OIML R-76-1	Up to 100 g	0.26mg
76	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass-Electronic Weighing Balance With Readability (L.C: 0.1 mg)	Using E1 & E2 Class weights by Calibration of electronic weighing balance of class I and coarser As per OIML R76-1	Up to 200 g	0.26mg
77	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass-Electronic Weighing Balance With Readability (L.C: 1 g)	Using F1 Class weights by Calibration of electronic weighing balance of class III and coarser As per OIML R76-1	Up to 100 kg	6g



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	50 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
78	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass-Electronic Weighing Balance With Readability (L.C: 1 mg)	Using E1 & F1 Class weights by Calibration of electronic weighing balance of class II and coarser As per OIML R-76-1	Up to 1000 g	2.98mg
79	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass-Electronic Weighing Balance With Readability (L.C: 10 mg)	Using E1 & F1 Class weights by Calibration of electronic weighing balance of class II and coarser As per OIML R76-1	Up to 10 kg	24.63mg
80	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass-Electronic Weighing Balance With Readability (L.C: 100 mg)	Using E1 & F1 Class weights by Calibration of electronic weighing balance of class II and coarser As per OIML R-76-1	Up to 25 kg	274mg
81	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass-Electronic Weighing Balance With Readability (L.C: 20 g)	Using F1 Class weights by Calibration of electronic weighing balance of class IV and coarser As per OIML R-76-1	Up to 500 kg	16.4g



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	51 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
82	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, RH sensor/Transmitter with Indicator	Using HygroPalm, Humidity Generator by Comparison method	(15 %rh to 90 %rh) @25°C	1.78%rh
83	THERMAL-TEMPERATURE	Indicator with sensor of Liquid Bath, Dry Bath, Furnace (Single Position)	Using DAQS with SSPRT/Thermocouple by Comparison method	100 °C to 400 °C	0.54°C
84	THERMAL-TEMPERATURE	Indicator with sensor of Liquid Bath, Dry Bath, Furnace (Single Position)	Using DAQS with SSPRT by Comparison method	100 °C to 400 °C	0.57°C
85	THERMAL-TEMPERATURE	Indicator with sensor of Liquid Bath, Dry Bath, Furnace (Single Position)	Using DAQS with SSPRT by Comparison method	400 °C to 600 °C	0.57°C
86	THERMAL-TEMPERATURE	Indicator with sensor of Liquid Bath, Dry Bath, Furnace (Single Position)	Using DAQS with SSPRT/Thermocouple by Comparison method	600 °C to 1200 °C	2.54°C
87	THERMAL-TEMPERATURE	Indicator with sensor of Liquid Bath, Dry Bath, Furnace (Single Position)	Using DAQS with SSPRT by Comparison method	-80 °C to 100 °C	0.54°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ACCURATE LABS, PLOT NO. 33, VIBRANT BUSINESS PARK, NH NO. 48, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2657	Page No	52 of 52
Validity	13/10/2022 to 12/10/2024	Last Amended on	15/02/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
88	THERMAL-TEMPERATURE	Oven, Furnace, Deep Freezer, Environmental Chamber, BOD Incubator (industrial purpose only) (Multi Position minimum 9 sensor)	Using Datalogger with 'T' Type sensor, 6½ Digit Multimeter with RTD Sensor, dry bath by Comparison method	-35 °C to 180 °C	3.10°C
89	THERMAL-TEMPERATURE	RTD/ Thermocouple With/ Without Controller/ Indicator, Analogue Temperature Gauge, Temperature Transmitter	Using 6½ Digit Multimeter with RTD Sensor, dry bath, Temperature Scanner/ Multifunctional Calibrator by Comparison method	-80 °C to 600 °C	0.42°C
90	THERMAL-TEMPERATURE	Thermo Hygrometer, Temp/RH Sensor/Transmitter with Indicator	Using HygroPalm, Humidity Generator by Comparison method	(10 °C to 50 °C) @ 50%rh	0.38°C
91	THERMAL-TEMPERATURE	Thermocouple With/Without Controller/Indicator	Using Calibrator with 'S' Type Thermocouple Sensor, dry bath by Comparison method	600 °C to 1200 °C	2.49°C

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