



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      1 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
<b>Permanent Facility</b>					
1	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Assembly of cells into batteries (Cl. no. 5.6)	IEC 62133-1: 2017	Qualitative
2	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Assembly of cells into batteries(Cl. no. 5.6)	IS 16046-1: 2018	Qualitative
3	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Case stress at high ambient temperature (batteries)(Cl. no. 7.2.3)	IS 16046-1: 2018	Qualitative(25°C to 200°C)
4	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Case stress at high ambient temperature (batteries)(Cl. no. 7.2.3)	IEC 62133-1: 2017	Qualitative(25°C to 200°C)
5	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Charging procedure for test purpose(Cl. no. 7.1)	IS 16046-1: 2018	Qualitative(0.001 V to 22 V, 0.001 A to 10 A)
6	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Charging procedure for test purpose(Cl. no.7.1)	IEC 62133-1: 2017	Qualitative(0.001 V to 22 V, 0.001 A to 10 A)
7	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Continuous low rate charging (cells)(Cl. no. 7.2.1)	IS 16046-1: 2018	Qualitative(0.001 V to 5 V,0.001 A to 3 A)



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Certificate Number                    TC-5608    Page No. :    2 / 77

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8	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Continuous low rate charging (cells)(Cl. no. 7.2.1)	IEC 62133-1: 2017	Qualitative(0.001 V to 5 V,0.001 A to 3 A)
9	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Crushing of cells(Cl. no. 7.3.6)	IEC 62133-1: 2017	Qualitative
10	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Crushing of cells(Cl. no. 7.3.6)	IS 16046-1: 2018	Qualitative
11	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	External short circuit(Cl. no. 7.3.2)	IS 16046-1: 2018	Qualitative(80±20 mohm,0°C to 400°C)
12	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	External short circuit(Cl. no. 7.3.2)	IEC 62133-1: 2017	Qualitative(80±20 mohm,0°C to 400°C)
13	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Forced discharge (Cells)(Cl. no. 7.3.9)	IEC 62133-1: 2017	Qualitative(0.001 V to 5 V ,0.001 A to 8 A)
14	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Forced discharge (Cells)(Cl. no. 7.3.9)	IS 16046-1: 2018	Qualitative(0.001 V to 5 V ,0.001 A to 8 A)



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Certificate Number      TC-5608      Page No. :      3 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

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15	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Free fall (Cl. no. 7.3.3)	IS 16046-1: 2018	Qualitative(0 mm - 1000 mm)
16	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Free fall (Cl. no. 7.3.3)	IEC 62133-1: 2017	Qualitative(0 mm - 1000 mm)
17	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Incorrect installation (cells)(Cl. no. 7.3.1)	IEC 62133-1: 2017	Qualitative
18	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Incorrect installation (cells)(Cl. no. 7.3.1)	IS 16046-1: 2018	Qualitative
19	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Information for safety(Cl. no. 8)	IS 16046-1: 2018	Qualitative(Ingestion gauge, Verification of manufacturer documentation.)
20	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Information for safety(Cl. no. 8)	IEC 62133-1: 2017	Qualitative(Ingestion gauge, Verification of manufacturer documentation.)
21	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Insulation And Wiring (Cl. no. 5.2)	IS 16046-1: 2018	Qualitative(2 MOhm to 20 GOhm)



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Certificate Number      TC-5608      Page No. :      4 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

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22	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Insulation And Wiring (Cl. no. 5.2)	IEC 62133-1: 2017	Qualitative(2Mohm to 20 Gohm)
23	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Low Pressure (cells)(Cl. no. 7.3.7)	IS 16046-1: 2018	Qualitative(0 to -100 kPa)
24	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Low Pressure (cells)(Cl. no. 7.3.7)	IEC 62133-1: 2017	Qualitative(0 to -100 kPa)
25	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Marking(Cl. no. 9)	IEC 62133-1: 2017	Qualitative
26	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Marking(Cl. no. 9)	IS 16046-1: 2018	Qualitative
27	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Mechanical shock (crash hazard)(Cl. no. 7.3.4)	IS 16046-1: 2018	Qualitative(75g at 3ms)
28	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Mechanical shock (crash hazard)(Cl. no. 7.3.4)	IEC 62133-1: 2017	Qualitative(75g at 3ms)



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Certificate Number      TC-5608      Page No. :      5 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

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29	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Overcharge(Cl. no. 7.3.8)	IEC 62133-1: 2017	Qualitative(0.001 V to 22 V ,0.001 A to 10 A)
30	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Overcharge(Cl. no. 7.3.8)	IS 16046-1: 2018	Qualitative(0.001 V to 22 V ,0.001 A to 10 A)
31	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Packaging (Cl. no. 10)	IS 16046-1: 2018	Qualitative
32	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Packaging(Cl. no. 10)	IEC 62133-1: 2017	Qualitative
33	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Quality plan (Cl. no. 5.7)	IEC 62133-1: 2017	Qualitative(Verification of Manufacturer instruction.)
34	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Quality plan(Cl. no. 5.7)	IS 16046-1: 2018	Qualitative(Verification of Manufacturer instruction.)
35	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Temperature Cycling(Cl. no. 7.2.4)	IEC 62133-1: 2017	Qualitative(25°C to 200°C, 25°C to -40°C)



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Certificate Number                    TC-5608                                      Page No. :                                      6 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

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36	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Temperature cycling(Cl. no. 7.2.4)	IS 16046-1: 2018	Qualitative(25°C to 200°C, 25°C to -40°C)
37	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Temperature, voltage and current management(Cl. no. 5.4)	IS 16046-1: 2018	Qualitative
38	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Temperature, voltage and current management(Cl. no. 5.4)	IEC 62133-1: 2017	Qualitative
39	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Terminal contacts (Cl. no. 5.5)	IEC 62133-1: 2017	Qualitative
40	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Terminal contacts(Cl. no. 5.5)	IS 16046-1: 2018	Qualitative
41	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Thermal abuse (cells)(Cl. no. 7.3.5)	IS 16046-1: 2018	Qualitative(25°C to 200°C )
42	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Thermal abuse (cells)(Cl. no. 7.3.5)	IEC 62133-1: 2017	Qualitative(25°C to 200°C)



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Certificate Number      TC-5608      Page No. :      7 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

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43	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Type test and sample size (Cl. no. 6)	IEC 62133-1: 2017	Qualitative(Upto 22 Volts & 10 Amp,verification as per table 1)
44	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Type test and sample size(Cl. no. 6)	IS 16046-1: 2018	Qualitative(Upto 22 Volts & 10 Amp,verification as per table 1)
45	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Venting (Cl. no. 5.3)	IEC 62133-1: 2017	Qualitative
46	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Venting(Cl. no. 5.3)	IS 16046-1: 2018	Qualitative
47	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	vibration(Cl. no. 7.2.2)	IEC 62133-1: 2017	Qualitative(10Hz to 50Hz, Amplitude- 0.76mm)
48	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Non-Acid Electrolytes	Vibration(Cl. no. 7.2.2)	IS 16046-1: 2018	Qualitative(10Hz to 50Hz,Amplitude- 0.76mm)
49	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Insulation And Wiring(Cl. no. 5.2)	IS 16046-2: 2018	Qualitative(2 M-Ohm to 20 G-Ohm)



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Certificate Number      TC-5608      Page No. :      8 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

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50	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Insulation And Wiring(CI. no. 5.2)	IEC 62133-2: 2017	Qualitative(2 M-Ohm to 20 G-Ohm)
51	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Assembly of cells into batteries(CI. no. 5.6)	IEC 62133-2: 2017	Qualitative
52	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Assembly of cells into batteries(CI. no. 5.6)	IS 16046-2: 2018	Qualitative
53	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Battery safety components(CI. no. 5.8)	IS 16046-2: 2018	Qualitative(Verification of certified components)
54	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Battery safety components(CI. no. 5.8)	IEC 62133-2: 2017	Qualitative(Verification of certified components)
55	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Case stress at high ambient temperature (battery)(CI. no. 7.2.2)	IEC 62133-2: 2017	Qualitative(25 ° C to 200 ° C)
56	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Case stress at high ambient temperature (battery)(CI. no. 7.2.2)	IS 16046-2: 2018	Qualitative(25 ° C to 200 ° C)





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Certificate Number      TC-5608      Page No. :      9 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

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57	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Charging procedures for test purposes (First procedure)(Cl. no. 7.1.1)	IS 16046-2: 2018	Qualitative(0.001 V to 22 V, 0.001 A to 10 A)
58	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Charging procedures for test purposes( Second procedure)(Cl. no. 7.1.2)	IS 16046-2: 2018	Qualitative(0.001 V to 22 V, 0.001 A to 10 A)
59	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Charging procedures for test purposes( Second procedure)(Cl. no. 7.1.2)	IEC 62133-2: 2017	Qualitative(0.001 V to 22 V, 0.001 A to 10 A)
60	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Continuous Charging at constant voltage (cells)(Cl. no. 7.2.1)	IS 16046-2: 2018	Qualitative(0.001 V to 5 V ,0.001 A to 3 A)
61	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Continuous Charging at constant voltage (cells)(Cl. no. 7.2.1)	IEC 62133-2: 2017	Qualitative(0.001 V to 5 V 0.001 A to 3 A)
62	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Crush (cells)(Cl. no. 7.3.5)	IEC 62133-2: 2017	Qualitative
63	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Crush (cells)(Cl. no. 7.3.5)	IS 16046-2: 2018	Qualitative



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Certificate Number      TC-5608      Page No. :      10 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

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64	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	External Short Circuit (cells)(Cl. no. 7.3.1)	IS 16046-2: 2018	Qualitative(80±20 mohm,0°C to 400°C)
65	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	External short-circuit (battery)(Cl. no. 7.3.2)	IS 16046-2: 2018	Qualitative(80±20 mohm,0°C to 400°C)
66	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	External short-circuit (battery)(Cl. no. 7.3.2)	IEC 62133-2: 2017	Qualitative(80±20 mohm,0°C to 400°C)
67	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	External short-circuit (cells)(Cl. no. 7.3.1)	IEC 62133-2: 2017	Qualitative(80±20 mohm,0°C to 400°C)
68	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Forced Discharge (Cells)(Cl. no. 7.3.2)	IS 16046-2: 2018	Qualitative(0.001 V to 5 V ,0.001 A to 8 A)
69	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Forced Discharge (Cells)(Cl. no. 7.3.2)	IEC 62133-2: 2017	Qualitative(0.001 V to 5 V ,0.001 A to 8 A)
70	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Free Fall(Cl. no. 7.3.3)	IEC 62133-2: 2017	Qualitative(0 mm to 1000 mm)





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Certificate Number                    TC-5608                                      Page No. :                                      12 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

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78	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Over-charging of battery(Cl. no. 7.3.6)	IS 16046-2: 2018	Qualitative(0.001 V to 22 V ,0.001 A to 10 A)
79	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Over-charging of battery(Cl. no. 7.3.6)	IEC 62133-2: 2017	Qualitative(0.001 V to 22 V ,0.001 A to 10 A)
80	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Packaging and transport(Cl. no. 10)	IS 16046-2: 2018	Qualitative
81	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Packaging and transport(Cl. no. 10)	IEC 62133-2: 2017	Qualitative
82	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Quality plan(Cl. no. 5.7)	IS 16046-2: 2018	Qualitative(Verification of Manufacturer instruction.)
83	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Quality plan(Cl. no. 5.7)	IEC 62133-2: 2017	Qualitative(Verification of Manufacturer instruction.)
84	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Temperature, voltage, current management(Cl. no. 5.4)	IS 16046-2: 2018	Qualitative



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Certificate Number                    TC-5608                                      Page No. :                                      13 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

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85	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Temperature, voltage, current management(CI. no. 5.4)	IEC 62133-2: 2017	Qualitative
86	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Terminal Contacts(CI. no. 5.5)	IEC 62133-2: 2017	Qualitative
87	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Terminal Contacts(CI. no. 5.5)	IS 16046-2: 2018	Qualitative
88	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Thermal abuse (cells)(CI. no. 7.3.4)	IS 16046-2: 2018	Qualitative(25 ° C to 200 ° C)
89	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Thermal abuse (cells)(CI. no. 7.3.4)	IEC 62133-2: 2017	Qualitative(25 ° C to 200 ° C)
90	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Type test and sample size(CI. no. 6)	IEC 62133-2: 2017	Qualitative :Upto 22 Volts & 10 Amp, verification as per table 1
91	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Type test and sample size(CI. no. 6)	IS 16046-2: 2018	Qualitative :Upto 22 Volts & 10 Amp ,verification as per table 1



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name: AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA  
Accreditation Standard: ISO/IEC 17025:2017  
Certificate Number: TC-5608 Page No. : 14 / 77  
Validity: 08/05/2019 to 07/05/2021 Last Amended on 12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
92	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Venting (Cl. no. 5.3)	IS 16046-2: 2018	Qualitative
93	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	venting (Cl. no. 5.3)	IEC 62133-2: 2017	Qualitative
94	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Vibration (Cl. no. 7.3.8.1)	IS 16046-2: 2018	Qualitative(10Hz to 50Hz, Amplitude- 0.76mm)
95	ELECTRICAL- CELLS & BATTERIES	Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Vibration (Cl. no. 7.3.8.1)	IEC 62133-2: 2017	Qualitative(10Hz to 50Hz, Amplitude- 0.76mm)
96	ELECTRICAL- CELLS & BATTERIES	vSecondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes	Charging procedures for test purposes (First procedure)(Cl. no. 7.1.1)	IEC 62133-2: 2017	Qualitative(0.001 V to 22 V, 0.001 A to 10 A)
97	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Dry heat test	QM 333: 2010	Qualitative(25°C to 250°C)
98	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Impact test	IEC 60068-2-75: 1997	Qualitative(0.3J to 0.8J, 1J to 5.5J)
99	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Cold test	IS 9000(part-2/sec.1 to 4: 1977	Qualitative(ambient to - 40°C)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      15 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
100	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Cold test	IEC 60068-2-1: 2007	Qualitative(ambient to - 40°C)
101	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Damp heat (steady state)	JSS 55555: 2000	Qualitative(Ambient to 50°C,90% RH to 95% RH)
102	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Damp heat (steady state)	IEC 60068-2-78: 2001	Qualitative(ambient to 50°C,90% RH to 95% RH)
103	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Damp heat (steady state)	IS 9000(part 4): 2008	Qualitative(ambient to 50°C,90% RH to 95% RH)
104	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Damp heat (steady state)	QM 333: 2010	Qualitative(amb to 50°C,90% RH to 95% RH)
105	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Dry heat test	JSS 55555: 2000	Qualitative(25°C to 250°C)
106	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	FIRE HAZARD TESTING PART 2 TEST METHODS Section 2 Needle-Flame Test Method - Apparatus, Cofirmatory Test Arrangement and Guidance	IEC 60695-11-5: 2004	Qualitative(100°C to 700°C)
107	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Impact test	IS 9000(part 7/sec.7): 2006	Qualitative(0.3J to 0.8J,1J to 5.5J)







# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      17 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
117	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	vibration test	IEC 60068-2-6: 2007	Qualitative(1Hz to 5000Hz;(Vertical axis only)Acceleration= upto 20g;Displacement= 15mm(P-P);Weight = upto 20kg )
118	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	vibration test	IEC 61373: 2010	Qualitative(1Hz to 5000Hz;(Vertical axis only)Acceleration= upto 20g;Displacement= 15mm(P-P);Weight = upto 20kg )
119	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments,Automobile products	Dry heat test	IEC 60068-2-2: 2007	Qualitative(25 to 250°C)
120	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments,Automobile products	Dry heat test	IS 9000 (part-3/sec.1 to 5): 1977	Qualitative(25 to 250°C)
121	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments,Automobile products	FIRE HAZARD TESTINGPART 2 TEST METHODSSection 2 Needle-Flame Test Method - Apparatus, Cofirmatory TestArrangement and Guidance	IS 11000-2-2: 2008	Qualitative(100°C to 999°C)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard            ISO/IEC 17025:2017

Certificate Number                TC-5608                                      Page No. :                                      18 / 77

Validity                                    08/05/2019 to 07/05/2021            Last Amended on                            12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
122	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Fire hazard testing, Part 2: Test methods, Section 1: Glow-wire apparatus and common test	IEC 60695-2-10: 2000	Qualitative(400°C to 999°C)
123	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Fire hazard testing, Part 2: Test methods, Section 1: Glow-wire apparatus and common test	IS 11000-2-1: 2008	Qualitative(400°C to 999°C)
124	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	High altitude test	QM 333: 2010	Qualitative( 2 kPa to 84 kPa)
125	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronics equipments, Automobile products	Low air pressure test	IS 9000 (Part 13): 1981	Qualitative( 2 kPa to 84 kPa)
126	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	CLASSIFICATION OF LUMINAIRES(CI. no. 5)	IS 10322 (Part 5/Sec 1): 2012	Qualitative
127	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	construction(CI. no. 7)	IS 10322 (Part 5/Sec 1): 2012	Qualitative
128	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	ENDURANCE TESTS AND THERMAL TESTS(CI. no. 13)	IS 10322 (Part 5/Sec 1): 2012	0 to 6000W, 0 to 20 A, 0 to 600V, 0 to 400°C
129	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	EXTERNAL AND INTERNAL WIRING(CI. no 11)	IS 10322 (Part 5/Sec 1): 2012	Qualitative



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      19 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
130	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	Marking(Cl.no.6)	IS 10322 (Part 5/Sec 1),: 2012	Qualitative
131	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	PROTECTION AGAINST ELECTRIC SHOCK (cl. no 12)	IS 10322 (Part 5/Sec 1): 2012	Qualitative()
132	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	RESISTANCE TO DUST AND MOISTURE(Cl. no. 14)	IS 10322 (Part 5/Sec 1): 2012	Qualitative(0 to 3000 mm,0 to 999 minutes,0 to 24 hours,0 to 10kV,0 to 180°)
133	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	CREEPAGE DISTANCES AND CLEARANCES(cl. no. 8)	IS 10322 (Part 5/Sec 1): 2012	0 mm to 150 mm
134	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	INSULATION RESISTANCE AND ELECTRICSTRENGTH (Cl. no. 15)	IS 10322 (Part 5/Sec 1): 2012	Qualitative(0 to 10 kV,2M-Ohm to 20G-Ohm)
135	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	PROVISION FOR EARTHING (Cl. no. 9)	IS 10322 (Part 5/Sec 1): 2012	0 to 30A,0 to 9.99V
136	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	RESISTANCE TO HEAT, FIRE ANDTRACKING (Cl. no. 16)	IS 10322 (Part 5/Sec 1): 2012	0 to 150mm,0 to 999°C,0 to 600V,25°C to 250°C
137	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	TERMINALS(Cl. no. 10)	IS 10322 (Part 5/Sec 1): 2012	Qualitative



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      20 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
138	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	CREEPAGE DISTANCES AND CLEARANCES (cl. no. 8)	IS 10322(Part 5/Sec 5): 2013	0 mm to 150 mm
139	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	ENDURANCE TESTS AND THERMAL TESTS (Cl. no. 13)	IS 10322(Part 5/Sec 5): 2013	0 to 6000W, 0 to 20 A, 0 to 600V, 0 to 400°C
140	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	EXTERNAL AND INTERNAL WIRING (Cl. no 11)	IS 10322(Part 5/Sec 5): 2013	Qualitative
141	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	INSULATION RESISTANCE AND ELECTRIC STRENGTH (Cl. no. 15)	IS 10322(Part 5/Sec 5): 2013	Qualitative(0 to 10 kV ,2M-Ohm to 20G-Ohm)
142	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	PROTECTION AGAINST ELECTRIC SHOCK (cl. no 12)	IS 10322(Part 5/Sec 5): 2013	Qualitative
143	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	Provision for earthing (Cl. no. 9)	IS 10322(Part 5/ Sec 5): 2013	0 to 30A, 0 to 9.99V
144	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	RESISTANCE TO DUST AND MOISTURE (Cl. no. 14)	IS 10322(Part 5/Sec 5): 2013	Qualitative(0 to 3000 mm ,0 to 999 minutes ,0 to 24 hours ,0 to 10kV ,0 to 180°)
145	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	RESISTANCE TO HEAT, FIRE & TRACKING (Cl. no. 16)	IS 10322(Part 5/Sec 5): 2013	0 to 150mm ,0 to 999°C, 0 to 600V, 25°C to 250°C
146	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	Terminals (Cl. no. 10)	IS 10322(Part 5/Sec 5): 2013	Qualitative



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      21 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
147	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	FloodLights	Marking (Cl. no 6)	IS 10322(Part 5/Sec 5): 2013	Qualitative(Visual inspection)
148	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	FloodLights	CLASSIFICATION OF LUMINAIRES (Cl. no. 5)	IS 10322(Part 5/Sec 5): 2013	Qualitative(Visual)
149	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	FloodLights	Construction (Cl no.7)	IS 10322(part 5/sec-5): 2013	Qualitative
150	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	CLASSIFICATION OF LUMINAIRES (Cl. no. 5)	IS 10322(Part 5/ Sec 3): 2012	Qualitative(Visual)
151	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	Construction (Cl no.7)	IS 10322(part 5/sec-3): 2012	Qualitative
152	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	CREEPAGE DISTANCES AND CLEARANCES (cl. no. 8)	IS 10322(Part 5/Sec 3): 2012	0 mm to 150 mm
153	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	ENDURANCE TESTS AND THERMAL TESTS (Cl. no. 13)	IS 10322(Part 5/Sec 3): 2012	0 to 6000W, 0 to 20 A, 0 to 600V, 0 to 400°C
154	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	EXTERNAL AND INTERNAL WIRING (Cl. no 11)	IS 10322(Part 5/Sec 3): 2012	Qualitative
155	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	INSULATION RESISTANCE AND ELECTRIC STRENGTH (Cl. no. 15)	IS 10322(Part 5/Sec 3): 2012	Qualitative(0 to 10 kV ,2M-Ohm to 20G-Ohm)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      22 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
156	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	Marking (Cl. no 6)	IS 10322(Part 5/Sec 3): 2012	Qualitative(Visual inspection)
157	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	PROTECTION AGAINST ELECTRIC SHOCK (cl. no 12)	IS 10322(Part 5/Sec 3): 2012	Qualitative
158	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	Provision for earthing (Cl. no. 9)	IS 10322(Part 5/ Sec 3): 2012	0 to 30A, 0 to 9.99V
159	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	RESISTANCE TO DUST AND MOISTURE (Cl. no. 14)	IS 10322(Part 5/Sec 3): 2012	Qualitative(0 to 3000 mm ,0 to 999 minutes ,0 to 24 hours ,0 to 10kV ,0 to 180°)
160	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	RESISTANCE TO HEAT, FIRE AND TRACKING (Cl. no. 16)	IS 10322(Part 5/Sec 3): 2012	0 to 150mm ,0 to 999°C, 0 to 600V, 25°C to 250°C
161	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for road and street lighting	Terminals (Cl. no. 10)	IS 10322(Part 5/Sec 3): 2012	Qualitative
162	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable general purpose luminaries	CLASSIFICATION OF LUMINAIRES (Cl. no. 4)	IS 10322(Part 5/Sec 4): 1987	Qualitative(Visual)
163	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable general purpose luminaries	Construction (Cl no.6)	IS 10322(part 5/sec-4): 1987	Qualitative
164	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable general purpose luminaries	ENDURANCE TESTS AND THERMAL TESTS (Cl. no. 13.4)	IS 10322(Part 5/Sec 4): 1987	0 to 6000W, 0 to 20 A, 0 to 600V, 0 to 400°C



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      23 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
165	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable general purpose luminaries	EXTERNAL AND INTERNAL WIRING (Cl. no 10)	IS 10322(Part 5/Sec 4): 1987	Qualitative
166	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable general purpose luminaries	Marking (Cl. no 6)	IS 10322(Part 5/Sec 4): 1987	Qualitative(Visual inspection)
167	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable general purpose luminaries	Provision for earthing (Cl. no. 8)	IS 10322(Part 5/ Sec 4): 1987	0 to 30A, 0 to 9.99V
168	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable general purpose luminaries	Terminals (Cl. no. 9)	IS 10322(Part 5/Sec 4): 1987	Qualitative
169	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable luminaries	CREEPAGE DISTANCES AND CLEARANCES (cl. no. 7)	IS 10322(Part 5/Sec 4)): 1987	0 mm to 150 mm
170	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable luminaries	INSULATION RESISTANCE AND ELECTRIC STRENGTH (Cl. no. 13.6)	IS 10322(Part 5/Sec 4): 1987	Qualitative(0 to 10 kV ,2M-Ohm to 20G-Ohm)
171	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable luminaries	PROTECTION AGAINST ELECTRIC SHOCK (cl. no 11)	IS 10322(Part 5/Sec 4): 1987	Qualitative
172	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable luminaries	RESISTANCE TO DUST AND MOISTURE (Cl. no. 13.5)	IS 10322(Part 5/Sec 4): 1987	Qualitative(0 to 3000 mm ,0 to 999 minutes ,0 to 24 hours ,0 to 10kV ,0 to 180°)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      24 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
173	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable luminaries	RESISTANCE TO HEAT, FIRE AND TRACKING (Cl. no. 13.7)	IS 10322(Part 5/Sec 4): 1987	0 to 150mm ,0 to 999°C, 0 to 600V, 25°C to 250°C
174	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	CLASSIFICATION OF LUMINAIRES (Cl. no. 5)	IS 10322(Part 5/Sec 2): 2012	Qualitative(Visual )
175	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Construction (Cl no.7)	IS 10322(part 5/sec-2): 2012	Qualitative
176	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	CREEPAGE DISTANCES AND CLEARANCES (cl. no. 8)	IS 10322(Part 5/Sec 2): 2012	0 mm to 150 mm
177	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	ENDURANCE TESTS AND THERMAL TESTS (Cl. no. 13)	IS 10322(Part 5/Sec 2): 2012	0 to 6000W, 0 to 20 A, 0 to 600V, 0 to 400°C
178	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	EXTERNAL AND INTERNAL WIRING (Cl. no 11)	IS 10322(Part 5/Sec 2): 2012	Qualitative
179	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	INSULATION RESISTANCE AND ELECTRIC STRENGTH (Cl. no. 15)	IS 10322(Part 5/Sec 2): 2012	Qualitative(0 to 10 kV ,2M-Ohm to 20G-Ohm)
180	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Marking (Cl. no 6)	IS 10322(Part 5/ Sec 2): 2012	Qualitative(Visual inspection)
181	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	PROTECTION AGAINST ELECTRIC SHOCK (cl. no 12)	IS 10322(Part 5/Sec 2): 2012	Qualitative





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name **AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA**

Accreditation Standard **ISO/IEC 17025:2017**

Certificate Number **TC-5608** Page No. : **25 / 77**

Validity **08/05/2019 to 07/05/2021** Last Amended on **12/07/2019**

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
182	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Provision for earthing (Cl. no. 9)	IS 10322(Part 5/ Sec 2): 2012	0 to 30A, 0 to 9.99V
183	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	RESISTANCE TO DUST AND MOISTURE (Cl. no. 14)	IS 10322(Part 5/Sec 2): 2012	Qualitative(0 to 3000 mm ,0 to 999 minutes ,0 to 24 hours ,0 to 10kV ,0 to 180°)
184	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	RESISTANCE TO HEAT, FIRE AND TRACKING (Cl. no. 16)	IS 10322(Part 5/Sec 2): 2012	0 to 150mm ,0 to 999°C, 0 to 600V, 25°C to 250°C
185	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Terminals (Cl. no. 10)	IS 10322(Part 5/Sec 2): 2012	Qualitative
186	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	Bending Moment, Axial Pull and Mass(CI. no. 6.2)	IS 16102 (Part 1): 2012	Qualitative(0 to 10 kg,0 to 1000 N)
187	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	Cap Interchangeability(CI. no.6.1)	IS 16102 (Part 1): 2012	Qualitative(Go,no-go gauge)
188	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	CAP TEMPERATURE RISE(CI.no. 10)	IS 16102 (Part 1): 2012	0 to 300°C,0 to 300 V
189	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	CREEPAGE DISTANCES AND CLEARANCES(CI. no. 14)	IS 16102 (Part 1): 2012	0 to 150 mm,0 to 25 mm



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      26 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
190	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	Electric Strength(CI.no. 8.2)	IS 16102 (Part 1): 2012	Qualitative(o to 10 kV,0 to 200 mA)
191	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	FAULT CONDITIONS(CI. no. 13)	IS 16102 (Part 1): 2012	0 to 300°C,Go-No Go gauges,2 M-Ohm to 20 G-Ohm,High frequency spark generator,0 to 4000 watt
192	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	Insulation Resistance(CI. no. 8.1.1)	IS 16102 (Part 1): 2012	Qualitative(0 to 50°C,90 % RH to 95% RH,2 MO to 20GO)
193	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	MARKING (CI. no. 5)	IS 16102 (Part 1): 2012	Qualitative(o to 24 hours,Petroleum spirit)
194	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	PROTECTION AGAINST ACCIDENTALCONTACT WITH LIVE PARTS(CI. no. 7)	IS 16102 (Part 1): 2012	Qualitative(0 to 1000 N,Go-no go gauges,0 to 10 kV,0 to 24 hours)
195	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	RESISTANCE TO FLAME AND IGNITION(CI. no.12)	IS 16102 (Part 1): 2012	Qualitative(0 to 999°C)
196	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	RESISTANCE TO HEAT(CI. no. 11)	IS 16102 (Part 1): 2012	Ball pressure,0 to 24 hours,0 to 150 mm,0 to 250°C



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      27 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
197	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	SELECTION OF LAMPS FOR TESTS(SAMPLING)(CI . no. 15)	IS 16102 (Part 1): 2012	Qualitative(Inspection)
198	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	Torsion Resistance of Lamps after a DefinedTime of Usage(CI. no. 9.2)	IS 16102 (Part 1): 2012	Qualitative(0 to 10 Nm)
199	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	Torsion Resistance of Unused Lamps(CI.no. 9.1)	IS 16102 (Part 1): 2012	Qualitative(0 to 10 Nm)
200	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF-BALLASTED LED LAMPS FOR GENERALLIGHTING SERVICES	Verification(CI. no. 9.3)	IS 16102 (Part 1): 2012	Qualitative(0 to 1000 N,Go-No Go gauges,0 to 10 kV,2 M-Ohm to 20 G-Ohm,o to 24 hours)
201	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Additional requirements for apparatuswith protection against splashing water(Annex A)	IS 616: 2017	Qualitative
202	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Additional requirements for apparatuswith protection against splashing water.(CI. no. Annex A)	IEC 60065: 2014	Qualitative
203	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Apparatus to be connected to the TELECOMMUNICATIO N NETWORKS (Annex B)	IEC 60065: 2014	Qualitative(Accessibility of TNV circuits )



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR  
 PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      28 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
204	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Apparatus to be connected to the TELECOMMUNICATION NETWORKS (Annex B)	IS 616: 2017	Qualitative(Accessibility of TNV circuits)
205	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	CLEARANCES and CREEPAGE DISTANCES(Cl. no. 13) Except ( Cl. no. 13.5 )	IS 616: 2017	0 to 150 mm,0.04 to 1.0 mm,0 to 10 kV, 1.2/50us
206	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	CLEARANCES and CREEPAGE DISTANCES(Cl. no.13) Except ( Cl. no. 13.5 )	IEC 60065: 2014	0 to 150 mm ,0.04 to 1.0 mm, 0 to 10 kV, 1.2/50us
207	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Components (Cl. no. 14)	IEC 60065: 2014	Qualitative(Visual Inspection of certified components only.)
208	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Components (Cl. no. 14)	IS 616: 2017	Qualitative(Visual Inspection of certified components only.)
209	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock (Cl. no. 8 except Cl. no .8.16, 8.17, 8.21 )	IS 616: 2017	0 to 50°C;90% RH to 95%RH;0 to 1000N;0 to 10kV
210	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock (Cl. no. 8 except Cl. no .8.16, 8.17, 8.21 )	IEC 60065: 2014	0 to 50°C; 90% RH to 95%RH; 0 to 1000N; 0 to 10kV



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      29 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
211	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electric shock hazard under normal operating conditions (Cl. no. 9)	IEC 60065: 2014	0 to 2000 Vp-p (Using Oscilloscope) ,0 to 10 kV,0 to 750 V
212	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electric shock hazard under normal operating conditions (Cl. no. 9)	IS 616: 2017	0 to 2000 Vp-p (Using Oscilloscope) ,0 to 10 kV,0 to 750 V
213	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electrical connections and mechanical fixings (Cl. no. 17)	IEC 60065: 2014	Qualitative(0.1 to 1.5 Nm, 1 Nm to 5 Nm, 0 to 150 mm, 0 to 1000 N)
214	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electrical connections and mechanical fixings (Cl. no. 17)	IS 616: 2017	Qualitative(0.1 to 1.5 Nm,1 Nm to 5 Nm,0 to 150 mm,0 to 1000 N)
215	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	External flexible cords (Cl. no. 16 except Cl. no. 16.1, 16.3, 16.3(b) , 16.5 )	IEC 60065: 2014	0 to 150 mm, 0 to 10 kV, 0 to 300 kg
216	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	External flexible cords (Cl. no. 16 except ( Cl. no.16.1, 16.3, 16.3(b) , 16.5 )	IS 616: 2017	0 to 150 mm,0 to 10 kV,0 to 300 kg
217	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Fault conditions (Cl. no. 11)	IS 616: 2017	25°C to 400°C0 to 750 V0 to 1000 V
218	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Fault conditions(Cl. no. 11)	IEC 60065: 2014	25°C to 400°C0 to 750 V0 to 1000 V
219	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	General test conditions (Cl. no. 4)	IEC 60065: 2014	Qualitative(15 °C to 35 °C, 45%R.H. to 75% R.H.)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5608

Page No. :

30 / 77

Validity 08/05/2019 to 07/05/2021

Last Amended on

12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/Limits of Detection
220	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Hazardous radiations (Cl. no. 6, except Cl. no 6.1, 6.2)	IS 616: 2017	survey meter 36pA/kg(0.5mR/h, μSv/h)
221	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Hazardous radiations (Cl. no. 6, except Cl. no 6.1, 6.2)	IEC 60065: 2014	Survey meter 36pA/kg(0.5mR/h, μSv/h)
222	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Heating under normal operating conditions (Cl. no. 7)	IS 616: 2017	25 °C to 400 °C
223	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Heating under normal operating conditions (Cl. no. 7)	IEC 60065: 2014	25 °C to 400 °C
224	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Insulation requirements (Cl. no. 10)	IS 616: 2017	Qualitative(0 to 10 kV surge, 2MΩ to 20GΩ, 0°C to 50°C, 90% to 95% RH, 0 to 10 kV)
225	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Marking and instructions (Cl. no. 5)	IEC 60065: 2014	petroleum spirit, 0 to 600V, 0 to 20A, 1 to 6000Watt
226	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Marking and instructions (Cl. no. 5)	IS 616: 2017	petroleum spirit, 0 to 600V, 0 to 20A, 1 to 6000Watt
227	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Mechanical strength (Cl. no. 12)	IS 616: 2017	Qualitative(10 to 55 Hz (vibration test); 0 to 1000 N; 0 to 20 kN (Crush); 1 Nm to 5 Nm; 25°C to 200°C)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      31 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
228	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Mechanical strength(Cl. no. 12)	IEC 60065: 2014	Qualitative(10 to 55 Hz (vibration test);0 to 1000 N;0 to 20 kN (Crush);1 Nm to 5 Nm; 25°C to 200°C)
229	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Resistance to fire (Cl. no. 20 except Cl. no. 20.2.2, 20.2.3, 20.2.5, 20.3 )	IEC 60065: 2014	Qualitative(0 to 150 mm, 0 to 999 °C 0 to 24 hours)
230	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Resistance to fire (Cl. no. 20 except Cl. no. 20.2.2, 20.2.3, 20.2.5, 20.3 )	IS 616: 2017	Qualitative(0 to 150 mm,0 to 999 °C 0 to 24 hours)
231	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Stability and mechanical hazards (Cl. no. 19)	IEC 60065: 2014	Qualitative(0 to 1000 N ,0 to 300 kg ,0 to 5 meter)
232	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Stability and mechanical hazards (Cl. no. 19)	IS 616: 2017	Qualitative(0 to 1000 N 0 to 300 kg 0 to 5 meter)
233	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	TERMINALS ( Cl. no. 15 ) Except ( Cl. no. 15.1.1, 15.1.2, 15.1.3, 15.3 )	IS 616: 2017	0 to 5V,0 to 30A,0 to 150 mm,0 to 1000N,0 to 300kg
234	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	TERMINALS( Cl. no. 15 ) Except ( Cl. no. 15.1.1, 15.1.2, 15.1.3, 15.3 )	IEC 60065: 2014	0 to 5V, 0 to 30A, 0 to 150 mm, 0 to 1000N, 0 to 300kg



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5608 Page No. : 32 / 77

Validity 08/05/2019 to 07/05/2021 Last Amended on 12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
235	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Insulation requirements (Cl. no. 10)	IEC 60065: 2014	Qualitative(0 to 10 kV surge,2MOhm to 20GOhm ,0°C to 50°C,90% to 95% RH,0 to 10kV)
236	ELECTRONICS-AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	General test conditions(Cl. no. 4)	IS 616: 2017	Qualitative(15 °C to 35 °C,45%R.H. to 75% R.H.)
237	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	ABNORMAL OPERATION(Cl. no. 19, except 19.11.4.1 to 19.11.4.7)	IS 302-2-25: 2014	Qualitative(100W to 4000 W;25 to 400 °C; 0 to 300 V)
238	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	CLASSIFICATION(Cl. no. 6)	IS 302-2-25: 2014	Qualitative(Visual check)
239	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	CLEARANCES, CREEPAGE DISTANCES AND SOLID INSULATION(Cl.no. 29)	IS 302-2-25: 2014	0 to 150mm0.04 to 1mm0 to 10kV
240	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	COMPONENTS(Cl.no.24)	IS 302-2-25: 2014	Qualitative(Visual inspection of certified components only.)





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name	AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5608	Page No. :	33 / 77
Validity	08/05/2019 to 07/05/2021	Last Amended on	12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
241	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	CONSTRUCTION(Cl.n o.22), except Cl. no. 22.16, 22.32, 22.46, 22.47, 22.106.	IS 302-2-25: 2014	Qualitative
242	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	ENDURANCE (Cl. no. 18)	IS 302-2-25: 2014	1 to 999999 counts,0 to 9.99 mW/cm <sup>2</sup>
243	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	GENERAL CONDITIONS FOR THE TESTS (Cl. no. 5)	IS 302-2-25: 2014	0-300 V,15 to 35 °C,45% to 75% R.H
244	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	HEATING (Cl. no. 11)	IS 302-2-25: 2014	25 °C to 400 °C
245	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	INTERNAL WIRING( Cl.no. 23)	IS 302-2-25: 2014	Qualitative
246	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	LEAKAGE CURRENT AND ELECTRICSTRENGTH (Cl. no. 16)	IS 302-2-25: 2014	0 to 5mA ,0 to 10kV



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      34 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
247	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	LEAKAGE CURRENT AND ELECTRICSTRENGTH AT OPERATING TEMPERATURE (Cl. no. 13)	IS 302-2-25: 2014	0 to 5mA,0 to 10kV
248	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	MARKING AND INSTRUCTIONS(Cl. no. 7)	IS 302-2-25: 2014	Qualitative(Visual check,Petroleum spirit)
249	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	MECHANICAL STRENGTH(Cl. no. 21)	IS 302-2-25: 2014	Qualitative(visual examination)
250	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	MOISTURE RESISTANCE (Cl. no. 15)	IS 302-2-25: 2014	Qualitative(0 to 50 °C; 90% to 95% R.H.)
251	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	OVERLOAD PROTECTION OF TRANSFORMERS AND ASSOCIATEDCIRCUIT S (Cl. no. 17)	IS 302-2-25: 2014	25 °C to 400 °C
252	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	POWER INPUT AND CURRENT(Cl. no. 10)	IS 302-2-25: 2014	100 W to 4000 W,0 to 300 V



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name	AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5608	Page No. :	35 / 77
Validity	08/05/2019 to 07/05/2021	Last Amended on	12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
253	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	PROTECTION AGAINST ACCESS TO LIVE PARTS ( Cl.no. 8)	IS 302-2-25: 2014	Qualitative(standard test fingers and probes.)
254	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	PROVISION FOR EARTHING( Cl. no. 27 )	IS 302-2-25: 2014	0 to 9.99 V,0 to 30 A
255	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	RADIATION, TOXICITY AND SIMILAR HAZARDS( Cl.no.32 )	IS 302-2-25: 2014	Qualitative(0 to 9.99mW/cm <sup>2</sup> )
256	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	RESISTANCE TO HEAT AND FIRE( Cl.no.30 )	IS 302-2-25: 2014	Qualitative(25 °C to 250 °C,0 to 24 hours,25 °C to 960 °C,0 to 150 mm)
257	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	RESISTANCE TO RUSTING( Cl.no. 31 )	IS 302-2-25: 2014	amb to 50 °C , 90% RH to 95% RH
258	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	SCREWS AND CONNECTIONS( Cl.no. 28 )	IS 302-2-25: 2014	0 to 150mm,1Nm to 5Nm



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      36 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
259	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	STABILITY AND MECHANICAL HAZARDS(CI. no. 20)	IS 302-2-25: 2014	Qualitative
260	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS( CI.no.25 )	IS 302-2-25: 2014	Qualitative(1 to 100000 counts,500g-10kg)
261	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	TERMINALS FOR EXTERNAL CONDUCTORS( CI.no. 26)	IS 302-2-25: 2014	0.1mm to 150mm,0.1Nm to 1.5Nm,1Nm to 5Nm
262	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Microwave Ovens, Including Combination Microwave Ovens	TRANSIENT OVER VOLTAGES (CI. no. 14)	IS 302-2-25: 2014	Qualitative(0 to 15 kV, 1.2/50µs)
263	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Abnormal operating and fault conditions (CI. no. 5.3) except (CI. no. 5.3.2, 5.3.3, 5.3.5, 5.3.8)	IEC 60950 - 1 : 2005	25 °C to 400 °C,0 - 1000 V
264	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Abnormal operating and fault conditions(CI. no. 5.3) except (CI. no. 5.3.2, 5.3.3, 5.3.5, 5.3.8)	IS 13252 (Part 1): 2010	25 °C to 400 °C,0 - 1000 V













# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      41 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
298	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Protection from electric shock and energy hazards (Cl. no. 2.1)	IS 13252 (Part 1): 2010	0 Volt to 2000 Volt
299	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Protection from hazardous voltages (Cl. no. 6.1.1)	IEC 60950 - 1: 2005	0- 2000V
300	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Protection from hazardous voltages(Cl. no. 6.1.1)	IS 13252 (Part 1): 2010	0 to 2000 V
301	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Protection of equipment users from overvoltages on telecommunication networks (Cl. no. 6.2)	IEC 60950 - 1: 2005	0 to 5kV, 10/700us , 0-10kV surge
302	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Protection of equipment users from overvoltages on telecommunication networks(Cl. no. 6.2)	IS 13252 (Part 1): 2010	0 to 5kV, 10/700us0-10kV surge
303	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Protection of the telecommunication wiring system from overheating (Cl. no. 6.3)	IS 13252 (Part 1): 2010	25 °C to 400 °C,0 to 10A , 0 to 24 hours
304	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Protection of the telecommunication wiring system from overheating (Cl. no. 6.3)	IEC 60950 - 1 : 2005	25 °C to 400 °C,0 to 10A,0 to 24 hours



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      42 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
305	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Provisions for earthing and bonding (Cl. 2.6)	IEC 60950 - 1: 2005	0.5A to 60A, 0 to 9.99 V
306	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Provisions for earthing and bonding(Cl. 2.6)	IS 13252 (Part 1): 2010	0.5A to 60A,0 to 9.99 V
307	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Requirements for the mounting means of rack - mounted equipment (Annex DD)	IEC 60950 - 1 : 2005	Qualitative
308	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Requirements for the mounting means of rack - mounted equipment(Annex DD)	IS 13252 (Part 1): 2010	Qualitative
309	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Resistance to fire (Cl. no. 4.7 except Cl. no. 4.7.2.1 and 4.7.2.2)	IEC 60950 - 1: 2005	Qualitative
310	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Resistance to fire (Cl. no. 4.7 except Cl. no. 4.7.2.1 and 4.7.2.2)	IS 13252 (Part 1): 2010	Qualitative
311	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Safety interlocks (Cl. no. 2.8)(Except Cl. no. 2.8.5 & 2.8.7)	IEC 60950 - 1: 2005	Qualitative
312	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Safety interlocks (Cl. no. 2.8)(Except Cl. no. 2.8.5 & 2.8.7)	IS 13252 (Part 1): 2010	Qualitative
313	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	SELV circuits (Cl. no. 2.2)	IS 13252 (Part 1): 2010	0 Volt to 1000 Volt



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      43 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
314	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	SELV circuits (Cl. no. 2.2)	IEC 60950 - 1: 2005	0 Volt to 1000 Volt
315	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Separation of the telecommunication network from earth (Cl. no. 6.1.2)	IS 13252 (Part 1): 2010	0 to 10kV , 0 to 750V
316	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Separation of the telecommunication network from earth (Cl. no. 6.1.2)	IEC 60950 - 1: 2005	0 to 10kV, 0 to 750V
317	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Stability (Cl. no. 4.1)	IS 13252 (Part 1): 2010	Qualitative
318	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Stability (Cl. no. 4.1)	IEC 60950 - 1 : 2005	Qualitative
319	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Thermal requirements (Cl. no. 4.5)	IEC 60950 - 1 : 2005	25 °C to 400 °C
320	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Thermal requirements(Cl. no. 4.5)	IS 13252 (Part 1): 2010	25 °C to 400 °C
321	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	TNV circuits (Cl. no. 2.3)	IEC 60950 - 1 : 2005	0 Volt to 2000 Volt
322	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	TNV circuits ( Cl. no. 2.3)	IS 13252 (Part 1): 2010	0 Volt to 2000 Volt



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      44 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
323	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Touch current and protective conductor current (Cl. no. 5.1)	IS 13252 (Part 1): 2010	0 to 750V(By using touch current circuit i. e u2/500)
324	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Touch current and protective conductor current (Cl. no. 5.1)	IEC 60950 - 1: 2005	0 to 750V (By using touch current circuit i. e u2/500)
325	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Transformers (Annex C)	IS 13252 (Part 1): 2010	25 °C to 400 °C, 0-24 hours, 0-10 kV
326	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Transformers (Annex C)	IEC 60950 - 1: 2005	25 °C to 400 °C, 0-24 hours, 0-10 kV
327	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Wiring, connections and supply ( Cl. no. 3 except Cl. no. 3.2.5.1 and 3.2.5.2)	IS 13252 (Part 1): 2010	Qualitative
328	ELECTRONICS- IT EQUIPMENT	INFORMATION TECHNOLOGY EQUIPMENT	Wiring, connections and supply ( Cl. no. 3) except ( Cl. no. 3.2.5.1 and 3.2.5.2)	IEC 60950 - 1 : 2005	Qualitative
329	ELECTRONICS- IT EQUIPMENT	Mobile Phone Handsets	Marking (Cl. no. 6)	IS 16333 (Part 3): 2017	Qualitative(Visual Inspection)
330	ELECTRONICS- IT EQUIPMENT	Mobile Phone Handsets	Requirements (Cl. no. 4 )	IS 16333 (Part 3): 2017	Qualitative(Visual Inspection)
331	ELECTRONICS- IT EQUIPMENT	Mobile Phone Handsets	Tests (Cl. no. 5)	IS 16333 (Part 3): 2017	Qualitative(Visual Inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      45 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
332	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Clearances, creepage distances and distances through insulation(Cl. no. 5.7)	IEC 62040-1: 2008	0 to 10 kV,1.2/50 $\mu$ s,10/700 $\mu$ s,0 to 150 mm,0.05 to 1 mm,0 to 2000 Vp-p Upto 100 MHz
333	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Abnormal operating and fault conditions(Cl. no. 8.3)	IEC 62040-1: 2008	0 to 400°C
334	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Abnormal operating and fault conditions(Cl. no. 8.3)	IS 16242 (Part 1): 2014	0 to 400°C
335	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Basic requirements(Cl. no. 5.5.2)	IS 16242 (Part 1): 2014	Qualitative(by inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      46 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
336	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Basic requirements(Cl. no. 5.5.2)	IEC 62040-1: 2008	Qualitative(by inspection)
337	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Battery location(Cl. no. 7.6)	IEC 62040-1: 2008	Qualitative(by inspection)
338	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Battery location(Cl. no. 7.6)	IS 16242 (Part 1): 2014	Qualitative(by inspection)
339	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Battery terminals(Cl. no. 4.7.8)	IEC 62040-1: 2008	Qualitative(By inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      47 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
340	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Battery terminals(Cl. no. 4.7.8)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
341	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Battery(Cl. no. 4.7.20)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
342	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Battery(Cl. no. 4.7.20)	IEC 62040-1: 2008	Qualitative(by inspection)
343	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Clearances, creepage distances and distances through insulation(Cl. no.5.7)	IS 16242 (Part 1): 2014	0 to 10 kV,1.2/50 μs,10/700 μs.0 to 150 mm,0.05 to 1 mm,0 to 2000 Vp-p ,Upto 100 MHz



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      48 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
344	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Connection to telecommunication networks(Cl. no. 9)	IS 16242 (Part 1): 2014	0 to 120 V @1200 ohm;0 to 150 mm;0 to 5 kV @10/700 μs
345	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Connection to telecommunication networks(Cl. no. 9)	IEC 62040-1: 2008	0 to 120 V @1200 ohm; 0 to 150 mm; 0 to 5 kV @10/700 μs
346	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Construction details (Introduction)(Cl. no. 7.4.1)	IS 16242 (Part 1): 2014	0 to 150 mm; 0 to 1000 N;0 to 300°C;0 to 250°C (oven);0 to 300 V;0 to 300 kg
347	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Construction details (Introduction)(Cl. no. 7.4.1)	IEC 62040-1: 2008	0 to 150 mm; 0 to 1000 N;0 to 300°C;0 to 250°C (oven);0 to 300 V;0 to 300 kg





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      49 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
348	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Controls and indicators(Cl. no. 4.7.9)	IEC 62040-1: 2008	Qualitative(By inspection)
349	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Controls and indicators(Cl. no. 4.7.9)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
350	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Disconnect devices(Cl. no. 5.4.2)	IEC 62040-1: 2008	Qualitative(by inspection)
351	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Disconnect devices(Cl. no. 5.4.2)	IS 16242 (Part 1): 2014	Qualitative(by inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      50 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
352	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Durability of markings (Cl. no. 4.7.16)	IS 16242 (Part 1): 2014	Qualitative(Verification of marking & it's durability)
353	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Electric strength(Cl. no. 8.2)	IEC 62040-1: 2008	Qualitative(0 to 10 kV)
354	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Electric strength(Cl. no. 8.2)	IS 16242 (Part 1): 2014	Qualitative(0 to 10 kV)
355	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Enclosure(Cl. no. 7.1)	IS 16242 (Part 1): 2014	Qualitative(by inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      51 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
356	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Enclosure(Cl. no. 7.1)	IEC 62040-1: 2008	Qualitative(by inspection)
357	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Equipment movement(Cl. no. 7.4.4)	IS 16242 (Part 1): 2014	Qualitative(0 to 300 kg0 to 1000 N)
358	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Equipment movement(Cl. no. 7.4.4)	IEC 62040-1: 2008	Qualitative(0 to 300 kg0 to 1000 N)
359	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	External signalling circuits(Cl. no. 5.2.4)	IS 16242 (Part 1): 2014	0 to 1000 V; 0 to 10 A; 0 to 24 hour; 0 to 120 V @ 1200 ohm



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      52 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
360	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	External signalling circuits(Cl. no. 5.2.4)	IEC 62040-1: 2008	0 to 1000 V;0 to 10 A;0 to 24 hour;0 to 120 V @ 1200 ohm
361	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Fuses(Cl. no.4.7.6)	IEC 62040-1: 2008	Qualitative(By inspection)
362	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Fuses(Cl. no.4.7.6)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
363	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General (Cl. no. 4.7.1)	IS 16242 (Part 1): 2014	Qualitative(By inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      53 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
364	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General (Cl. no. 4.7.1)	IEC 62040-1: 2008	Qualitative(by inspection)
365	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General provisions for connection to power(Cl. no. 6.2.1)	IS 16242 (Part 1): 2014	0 to 150 mm;0 to 10 kV;0 to 10 kg;0 to 24 hour;0.05 to 1 mm;0 to 100 N (dead weight);0 to 90°
366	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General provisions for connection to power(Cl. no. 6.2.1)	IEC 62040-1: 2008	0 to 150 mm;0 to 10 kV;0 to 10 kg;0 to 24 hour;0.05 to 1 mm;0 to 100 N (dead weight);0 to 90°
367	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General provisions for earth leakage(Cl. no. 8.1)	IEC 62040-1: 2008	0 to 400 mV, 0 to 750 V



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      54 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
368	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General provisions for earth leakage(Cl. no. 8.1)	IS 16242 (Part 1): 2014	0 to 400 mV, 0 to 750 V
369	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General(Cl. no. 5.4.1)	IEC 62040-1: 2008	Qualitative
370	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General(Cl. no. 5.4.1)	IS 16242 (Part 1): 2014	Qualitative
371	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General(Cl. no. 5.4.1)	IEC 62040-1: 2008	Qualitative





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      56 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
376	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	General(Cl. no. 6.1)	IEC 62040-1: 2008	0 to 750 V;0 to 1000 V;0 to 10 kV;1.2/50 µs;10/700 µs;0 to 150 mm;0.05 mm to 1 mm
377	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	High leakage current(Cl. no. 4.7.13)	IEC 62040-1: 2008	0 to 400 mV (Using touch current circuit i.e. U2/500)
378	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	High leakage current(Cl. no. 4.7.13)	IS 16242 (Part 1): 2014	0 to 400 mV (Using touch current circuit i.e. U2/500)
379	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Installation instructions(Cl. no. 4.7.21)	IS 16242 (Part 1): 2014	Qualitative(by inspection)





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      57 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
380	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Installation instructions(Cl. no. 4.7.21)	IEC 62040-1: 2008	Qualitative(by inspection)
381	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Isolation of multiple power sources(Cl. no. 4.7.10 )	IS 16242 (Part 1): 2014	Qualitative(By inspection)
382	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Isolation of multiple power sources(Cl. no. 4.7.10 )	IEC 62040-1: 2008	Qualitative(By inspection)
383	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	IT power systems (Cl. no. 4.7.11 )	IEC 62040-1: 2008	Qualitative(by inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      58 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
384	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	IT power systems(Cl. no. 4.7.11 )	IS 16242 (Part 1): 2014	Qualitative(By inspection)
385	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Language (Cl. no 4.7.15)	IEC 62040-1: 2008	Qualitative(by inspection)
386	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Language (Cl. no 4.7.15)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
387	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Limited current circuits(Cl. no. 5.2.3)	IS 16242 (Part 1): 2014	0 to 750 V,Upto 2000 ohm



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      59 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
388	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Limited current circuits(Cl. no. 5.2.3)	IEC 62040-1: 2008	0 to 750 V ,Upto 2000 ohm
389	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Limited power source(Cl. no. 5.2.5)	IEC 62040-1: 2008	0 to 1000 V, 0 to 10 A
390	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Limited power source(Cl. no. 5.2.5)	IS 16242 (Part 1): 2014	0 to 1000 V, 0 to 10 A
391	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Location of protective devices(Cl. no. 5.5.3.2)	IEC 62040-1: 2008	Qualitative(by inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      60 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
392	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Location of protective devices(CI. no. 5.5.3.2)	IS 16242 (Part 1): 2014	Qualitative(by inspection)
393	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Main voltage adjustment(CI. no. 4.7.4)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
394	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Main voltage adjustment(CI. no. 4.7.4)	IEC 62040-1: 2008	Qualitative(By inspection)
395	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Markings and instructions(CI. no. 4.7)	IS 16242 (Part 1): 2014	Qualitative(0-24 Hours, Petroleum Sprite, 0-150 mm)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      61 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
396	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Markings and instructions(CI. no. 4.7)	IEC 62040-1: 2008	Qualitative(0-24 Hours,Petroleum Spirit,0-150 mm)
397	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Means of connection(CI. no. 6.2.2)	IEC 62040-1: 2008	Qualitative(0-15 kV @ 1.2/50 μs;0-5 kV @10/700 μs;0 to 150 mm)
398	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Means of connection(CI. no. 6.2.2)	IS 16242 (Part 1): 2014	Qualitative(0-15 kV @ 1.2/50 μs;0-5 kV @10/700 μs;0 to 150 mm)
399	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Mechanical strength(CI. no 7.3)	IS 16242 (Part 1): 2014	Qualitative(0 to 1000 N;0 to 24 hour;0 to 1200 mm;0 to 150 mm;0 to 10 kV)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      62 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
400	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Mechanical strength(CI. no. 7.3)	IEC 62040-1: 2008	Qualitative(0 to 1000 N;0 to 24 hour;0 to 1200 mm;0 to 150 mm;0 to 10 kV)
401	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Openings(CI. no. 7.4.2)	IS 16242 (Part 1): 2014	Qualitative(0 to 150 mm, 0 to 5000 mm)
402	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Openings(CI. no. 7.4.2)	IEC 62040-1: 2008	Qualitative(0 to 150 mm, 0 to 5000 mm)
403	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Operator access with a tool(CI. no. 4.7.19)	IEC 62040-1: 2008	Qualitative(by inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608    Page No. :    63 / 77

Validity                                      08/05/2019 to 07/05/2021                      Last Amended on                                      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
404	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Operator access with a tool(CI. no. 4.7.19)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
405	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Operator protection(CI. no. 5.6.1)	IS 16242 (Part 1): 2014	Qualitative(test finger (fig 2A))
406	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Operator protection(CI. no. 5.6.1)	IEC 62040-1: 2008	Qualitative(test finger (fig 2A))
407	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Overcurrent and earth fault protection(CI. no. 5.5.3.1)	IS 16242 (Part 1): 2014	Qualitative(by inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      64 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
408	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Overcurrent and earth fault protection(Cl. no. 5.5.3.1)	IEC 62040-1: 2008	Qualitative(by inspection)
409	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Physical requirements(Cl. no. 7)	IEC 62040-1: 2008	0 to 10 kV;0 to 24 hour;0 to 200°C;0 to 5000 mm;0 to 150 mm;0 to 20 N
410	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Physical requirements(Cl. no. 7)	IS 16242 (Part 1): 2014	0 to 10 kV;0 to 24 hour;0 to 200°C;0 to 5000 mm;0 to 150 mm;0 to 20 N
411	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Power interfaces( Cl. no. 4.6 )	IS 16242 (Part 1): 2014	0 to 4000 W,0 to 300 V,0 to 20 A





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      65 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
412	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Power interfaces( Cl. no. 4.6 )	IEC 62040-1: 2008	0 to 4000 W, 0 to 300 V, 0 to 20 A
413	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Power outlets(Cl. no. 4.7.5)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
414	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Power outlets(Cl. no. 4.7.5)	IEC 62040-1: 2008	Qualitative(By inspection)
415	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Power rating (Cl. no. 4.7.2)	IEC 62040-1: 2008	Qualitative(By inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      66 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
416	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	power rating(Cl. no. 4.7.2)	IS 16242 (Part 1): 2014	Qualitative(by inspection)
417	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Protection against electric shock and energy hazards (Cl. no. 5.1)	IEC 62040-1: 2008	0 to 1000 N;0 to 2000 Vp-p @100 MHz; 0 to 150 mm; 0 to 24 hours
418	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Protection against electric shock and energy hazards(Cl. no. 5.1)	IS 16242 (Part 1): 2014	0 to 1000 N;0 to 2000 Vp-p @100 MHz;0 to 150 mm;0 to 24 hours
419	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Protection in building installation(Cl. no. 4.7.12)	IEC 62040-1: 2008	Qualitative(By inspection)





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      68 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
424	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Rating of protective devices(Cl. no. 5.5.3.3)	IEC 62040-1: 2008	Qualitative(by inspection)
425	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Removable parts(Cl. no. 4.7.17)	IEC 62040-1: 2008	Qualitative(by inspection)
426	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Replaceable batteries(Cl. no. 4.7.18)	IEC 62040-1: 2008	Qualitative((by inspection))
427	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Replaceable batteries(Cl. no. 4.7.18)	IS 16242 (Part 1): 2014	Qualitative(by inspection)





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      70 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
432	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	safety instruction(Cl. no. 4.7.3)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
433	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	safety instruction(Cl. no. 4.7.3)	IEC 62040-1: 2008	Qualitative(By inspection)
434	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Service person protection (Cl. no. 5.6.2)	IS 16242 (Part 1): 2014	Qualitative(test finger fig 2Aby inspection)
435	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Service person protection(Cl. no. 5.6.2)	IEC 62040-1: 2008	Qualitative(Test finger fig 2Aby inspection)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      71 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
436	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Stability(Cl. no. 7.2)	IS 16242 (Part 1): 2014	Qualitative(0° to 90°;0 to 800 N;0 to 300 kg)
437	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Stability(Cl. no. 7.2)	IEC 62040-1: 2008	Qualitative(0° to 90°;0 to 800 N;0 to 300 kg)
438	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Telephone network voltage circuits – TNV (Cl. no. 5.2.2)	IS 16242 (Part 1): 2014	0 to 2000 Vp-p @ 100MHz
439	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Telephone network voltage circuits – TNV(Cl. no. 5.2.2)	IEC 62040-1: 2008	0 to 2000 Vp-p @ 100MHz



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-5608                                      Page No. :                                      72 / 77

Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
440	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Temperature rise(Cl. no. 7.7)	IS 16242 (Part 1): 2014	0 to 300°C
441	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Temperature rise(Cl. no. 7.7)	IEC 62040-1: 2008	0 to 300°C
442	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Thermostats and other regulating devices (Cl. no. 4.7.14)	IEC 62040-1: 2008	Qualitative(by inspection)
443	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Thermostats and other regulating devices (Cl. no. 4.7.14)	IS 16242 (Part 1): 2014	Qualitative(By inspection)





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## SCOPE OF ACCREDITATION

Laboratory Name      AFORESERVE LABS PRIVATE LIMITED, D-45 SECTOR-11, NOIDA, UTTAR  
 PRADESH, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-5608      Page No. :      73 / 77

Validity      08/05/2019 to 07/05/2021      Last Amended on      12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
444	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Wiring terminals (Cl. no. 4.7.7)	IEC 62040-1: 2008	Qualitative(By Inspection)
445	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Wiring terminals for external power conductors(Cl. no. 6.3)	IS 16242 (Part 1): 2014	0 to 150 mm
446	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Wiring terminals for external power conductors(Cl. no. 6.3)	IEC 62040-1: 2008	0 to 150 mm
447	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Wiring terminals(Cl. no. 4.7.7)	IEC 62040-1: 2008	Qualitative(By inspection)



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448	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Durability of markings(Cl. no. 4.7.16)	IEC 62040-1: 2008	Qualitative(Verification of marking & it's durability)
449	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UNINTERRUPTIBLE POWER SYSTEMS (UPS) PART 1 GENERAL AND SAFETY REQUIREMENTS FOR UPS	Removable parts(Cl. no. 4.7.17)	IS 16242 (Part 1): 2014	Qualitative(By inspection)
450	ELECTRONICS- SAFETY TESTING FACILITY	ELECTRIC TOYS	Clearances and creepage distances( Cl .no. 18 )	IEC 62115 : 2003	0 to 150 mm
451	ELECTRONICS- SAFETY TESTING FACILITY	ELECTRIC TOYS	Clearances and creepage distances( Cl. no. 18 )	IS 15644 : 2006	0 to 150 mm
452	ELECTRONICS- SAFETY TESTING FACILITY	ELECTRIC TOYS	Components( Cl. no. 16 )	IS 15644 : 2006	Qualitative(verification of certified components only )
453	ELECTRONICS- SAFETY TESTING FACILITY	ELECTRIC TOYS	Components( Cl. no. 16)	IEC 62115 : 2003	Qualitative(verification of certified components only )
454	ELECTRONICS- SAFETY TESTING FACILITY	ELECTRIC TOYS	Construction( Cl. no. 14 )	IEC 62115 : 2003	Qualitative(1 kg, 80 mm,0.1 N to 100 N,0.1 A to 5 A)



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Certificate Number TC-5608 Page No. : 75 / 77  
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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
455	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Construction( Cl. no. 14 )	IS 15644 : 2006	Qualitative(1kg, 80mm,0.1N to 100N, 0.1A to 5A)
456	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Criteria for reduced testing(Cl. no. 6)	IEC 62115: 2003	0-50 V
457	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Criteria for reduced testing(Cl. no. 6)	IS 15644: 2006	0-50 V
458	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Electric strength at operating temperature( cl. no. 10 )	IEC 62115 : 2003	Qualitative( 0 to 10kV)
459	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Electric strength at operating temperature( cl. no. 10 )	IS 15644 : 2006	Qualitative((0 to 10 kV))
460	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Electric strength at room temperature( Cl. no. 12 )	IS 15644 : 2006	Qualitative(0 to 10 kV)
461	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Electric strength at room temperature( Cl. no. 12 )	IEC 62115 : 2003	Qualitative(0 to 10 kV)
462	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Heating and abnormal operation( Cl. no. 9 )	IEC 62115: 2003	amb to 400°C
463	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Heating and abnormal operation( Cl. no. 9 )	IS 15644: 2006	amb to 400°C
464	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Marking and instructions (Cl.no.7)	IEC 62115: 2003	Qualitative



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Validity                                      08/05/2019 to 07/05/2021              Last Amended on                              12/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
465	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Marking and instructions(Cl. no. 7)	IS 15644: 2006	Qualitative
466	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Mechanical strength ( Cl. no. 13 )	IEC 62115 : 2003	Qualitative( 0.7J ( impact hammer ))
467	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Mechanical strength(Cl. no. 13)	IS 15644 : 2006	Qualitative(0.7 J (impact hammer))
468	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Moisture resistance( Cl. no. 11 )	IEC 62115 : 2003	Qualitative(0 to 50°C,90 % RH to 96 % RH)
469	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Moisture resistance( Cl. no. 11 )	IS 15644: 2006	Qualitative(amb to 50°C,90 % RH to 96 % RH)
470	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Power input( Cl. no. 8)	IS 15644: 2006	0 to 6000 W
471	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Protection of cords and wires( Cl. no. 15 )	IS 15644 : 2006	Qualitative
472	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Protection of cords and wires( Cl. no. 15 )	IEC 62115 : 2003	Qualitative
473	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Resistance to heat and fire( Cl. no. 19 )	IEC 62115 : 2003	0 to 999°C
474	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Resistance to heat and fire( Cl. no. 19 )	IS 15644 : 2006	0 to 999°C



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475	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Screws and connections( Cl. no. 17 )	IEC 62115 : 2003	Qualitative(0.1 Nm to 6 Nm)
476	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Screws and connections( Cl. no. 17 )	IS 15644 : 2006	Qualitative(0.1 Nm to 6 Nm)
477	ELECTRONICS-SAFETY TESTING FACILITY	ELECTRIC TOYS	Power input( Cl. no. 8 )	IEC 62115: 2003	0 to 6000 W