



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name NEXTRON INTERNATIONAL LAB PRIVATE LIMITED, G-45, POCKET-C, SECTOR-4, BAWANA, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5001 Page No. : 1 / 110

Validity 27/02/2019 to 26/02/2021 Last Amended on 23/05/2019

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
Permanent Facility					
1	ELECTRICAL- CELLS & BATTERIES	Safety of primary and secondary lithium cells and batteries during transport	Altitude Simulation	UN 38.3 REV.6 Cl. No. 38. 3.4.1: 2015	Qualitative
2	ELECTRICAL- CELLS & BATTERIES	Safety of primary and secondary lithium cells and batteries during transport	External short Circuit Test	UN 38.3 REV.6 Cl. No. 38.3.4.5: 2015	Qualitative
3	ELECTRICAL- CELLS & BATTERIES	Safety of primary and secondary lithium cells and batteries during transport	Force Discharge Test	UN 38.3 REV.6 Cl. No. 38.3.4.8: 2015	Qualitative
4	ELECTRICAL- CELLS & BATTERIES	Safety of primary and secondary lithium cells and batteries during transport	Impact/Crush Test	UN 38.3 REV.6 Cl. No. 38.3.4.6: 2015	Qualitative
5	ELECTRICAL- CELLS & BATTERIES	Safety of primary and secondary lithium cells and batteries during transport	Overcharge Test	UN 38.3 REV.6 Cl. No. 38.3.4.7: 2015	Qualitative
6	ELECTRICAL- CELLS & BATTERIES	Safety of primary and secondary lithium cells and batteries during transport	Shock Test	UN 38.3 REV.6 Cl. No. 38.3.4.4: 2015	Qualitative
7	ELECTRICAL- CELLS & BATTERIES	Safety of primary and secondary lithium cells and batteries during transport	Vibration Test	UN 38.3 REV.6 Cl. No. 38.3.4.3: 2015	Qualitative



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8	ELECTRICAL- CELLS & BATTERIES	Safety of primary and secondary lithium cells and batteries during transport	Thermal Test	UN 38.3 REV.6 Cl. No. 38.3.4.2: 2015	Qualitative
9	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Case stress at high ambient temperature (Batteries)	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.2.3: 2017	Qualitative
10	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Case stress at high ambient temperature (Batteries)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.2.2: 2017	Qualitative
11	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Charging Procedure for Test Purpose	IS 16046:2015/ IEC 62133 Cl. 7.1: 2012	Qualitative
12	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Charging Procedure for Test Purpose	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.1: 2017	0 V to 24 V
13	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Continuous charging at constant voltage (Cells)	IS 16046:2015/IEC62133 Cl. No. 8.2.1: 2012	0 V to 24 V
14	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Continuous charging at constant voltage (Cells)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.2.1: 2017	0 V to 24 V



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15	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Continuous low-rate charging (Cells)	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.2.1: 2017	0 V to 24 V
16	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Continuous low-rate charging (Cells)	IS 16046:2015/IEC 62133 Cl. No. 7.2.1: 2012	Qualitative
17	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Crush (Cells)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.3.5: 2017	Qualitative
18	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Crush (Cells)	IS 16046:2015/IEC 62133 Cl. No. 8.3.5: 2012	Qualitative
19	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Crushing of cells	IS 16046:2015/IEC62133 Cl. No. 7.3.6: 2012	Qualitative
20	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Crushing of cells	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.3.6: 2017	Qualitative
21	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	External Short circuit	IS 16046:2015/IEC62133 Cl. No. 7.3.2: 2012	Qualitative



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22	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	External short circuit	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.3.2: 2017	Qualitative
23	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	External short circuit (Battery)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. 7.3.2: 2017	Qualitative
24	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	External Short circuit (battery)	IS 16046:2015/IEC62133 Cl. No. 8.3.2: 2012	Qualitative
25	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	External Short circuit (cell)	IS 16046:2015/IEC62133 Cl. No. 8.3.1: 2012	Qualitative
26	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	External short circuit (Cell)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.3.1: 2017	Qualitative
27	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	First procedure (Charging procedures for test purposes)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.1.1: 2017	0 V to 4 V
28	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	First Procedure (Charging procedures for test purposes)	IS 16046:2015/IEC62133 Cl. No. 8.1.1: 2012	0 V to 24 V



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29	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Forced Discharge (Cells)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.3.7: 2017	0 V to 24 V
30	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Forced Discharge (Cells)	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.3.9: 2017	0 V to 24 V
31	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Forced Discharge (Cells)	IS 16046:2015/IEC62133 Cl. No. 7.3.9: 2012	0 V to 24 V
32	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Forced Discharge (Cells)	IS 16046:2015/IEC62133 Cl. No. 8.3.7: 2012	0 V to 24 V
33	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Free Fall	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.3.3: 2017	Qualitative
34	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Free Fall	IS 16046:2015/IEC62133 Cl. No. 8.3.3: 2012	Qualitative
35	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Free Fall	IS 16046:2015/IEC62133 Cl. No. 7.3.3: 2012	Qualitative



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36	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Free Fall	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.3.3: 2017	Qualitative
37	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	General and safety consideration	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 5: 2017	Qualitative
38	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	General safety consideration	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 5: 2017	Qualitative
39	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Incorrect installation (Cells)	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.3.1: 2017	Qualitative
40	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Incorrect installation (Cells)	IS 16046:2015/IEC62133 Cl. No. 7.3.1: 2012	Qualitative
41	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Information for safety	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 8: 2017	Qualitative
42	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Information for safety	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 8: 2017	Qualitative



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43	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Insulation & Wiring	IS 16046:2015/IEC 62133 Cl. No. 5.2 : 2012	0.1 to 2000 MOhm / 0.1/1MOhm
44	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Insulation And Wiring	IS 16046:2015/IEC62133 Cl. No. 5.2: 2012	0.1 to 2000 MOhm / 0.1/1MOhm
45	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Low pressure (Cells)	IS 16046:2015/IEC62133 Cl. No. 7.3.7: 2012	Qualitative
46	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Low pressure (Cells)	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.3.7: 2017	Qualitative
47	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Marking	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 9: 2017	Qualitative
48	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Marking	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 9: 2017	Qualitative
49	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Mechanical Shock	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.3.8.2: 2017	Qualitative



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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
50	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Mechanical Shock (Crash Hazard)	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No.7.3.4: 2017	Qualitative
51	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Mechanical Shock (Crash Hazard)	IS 16046:2015/IEC62133 Cl. No. 7.3.4: 2012	Qualitative
52	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Moulded case stress at high ambient temperature (Batteries)	IS 16046:2015/IEC62133 Cl. No. 7.2.3: 2012	Qualitative
53	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Moulded case stress at high ambient temperature (battery)	IS 16046:2015/IEC62133 Cl. No. 8.2.2: 2012	Qualitative
54	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Overcharge	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.3.8: 2017	0 V to 24 V
55	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Overcharge	IS 16046:2015/IEC62133 Cl. No. 7.3.8: 2012	0 V to 24 V
56	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Over-charging of Battery	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.3.6: 2017	0 V to 24 V



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57	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Over-charging of Battery	IS 16046:2015/IEC62133 Cl. No. 8.3.6: 2012	0 V to 24 V
58	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Packaging	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 10: 2017	Qualitative
59	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Packaging and transport	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 10: 2017	Qualitative
60	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Second procedure (Charging procedures for test purposes)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. 7.1.2 : 2017	0 V to 24 V
61	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Second Procedure (Charging procedures for test purposes)	IS 16046:2015/IEC62133 Cl. No. 8.1.2: 2012	0 V to 24 V
62	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Temperature cycling	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.2.4: 2017	Qualitative
63	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Temperature cycling	IS 16046:2015/IEC62133 Cl. No. 7.2.4: 2012	Qualitative



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64	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Thermal Abuse	IS 16046:2015/IEC62133 Cl. No. 7.3.5: 2012	Qualitative
65	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Thermal Abuse	IS 16046:2015/IEC62133 Cl. No. 8.3.4: 2012	Qualitative
66	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Thermal abuse (Cells)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.3.4: 2017	Qualitative
67	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Thermal abuse (Cells)	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.3.5: 2017	Qualitative
68	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Type test and sample size	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 6: 2017	Qualitative
69	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Type test and sample size (Internal resistance test of coin cell procedure)	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 6: 2017	Qualitative
70	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Vibration	IS 16046 (Part 2):2018/ IEC 62133-2 Cl. No. 7.3.8.1: 2017	Qualitative



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71	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Vibration	IS 16046 (Part1):2018/ IEC 62133-1 Cl. No. 7.2.2: 2017	Qualitative
72	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes	Vibration	IS 16046:2015/IEC62133 Cl. No. 7.2.2: 2012	Qualitative
73	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Charge (capacity) recovery after long term storage	IS 16047:2012 /IEC 61960 Cl. No. 7.5: 2011	0 V to 24 V
74	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Charge (capacity) retention and recovery	IS 16047:2012 /IEC 61960 Cl. No. 7.4 : 2011	0 V to 24 V



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75	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Discharge performance at-20°C	IS 16047:2012 /IEC 61960 Cl. No. 7.3.2: 2011	0 V to 24 V
76	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Internal A.C. resistance (Batteries only)	IS 16047:2012 /IEC 61960 Cl. No. 7.7.2: 2011	Qualitative
77	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Internal D.C. resistance (Batteries only)	IS 16047:2012 /IEC 61960 Cl. No. 7.7.3: 2011	0 V to 24 V



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78	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Standard cell	IS 16047:2012 /IEC 61960 Cl. No. 6 : 2011	Qualitative
79	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Cell designation and marking	IS 16047:2012/ IEC 61960 Cl. No. 5: 2011	Qualitative
80	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Charging Procedure for Test Purpose	IS 16047:2012/ IEC 61960 Cl. No. 7.2: 2011	0 V to 24 V



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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
81	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Discharge performance at 20°C (Rated Capacity)	IS 16047:2012 /IEC 61960 Cl. No. 7.3.1: 2011	0 V to 24 V
82	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Endurance in cycles at a rate of 0.2ItA	IS 16047:2012/ IEC 61960 Cl. No. 7.6.2: 2011	0 V to 24 V
83	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Endurance in cycles at a rate of 0.5It A (accelerated test procedure)	IS 16047:2012/ IEC 61960 Cl. No. 7.6.3 : 2011	0 V to 24 V



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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
84	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	General (Charging & discharging procedures for test purposes)	IS 16047:2012 /IEC 61960 Cl. No. 7.6.1: 2011	Qualitative
85	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	Test protocol and conditions for type approval	IS 16047:2012 /IEC 61960 Cl. No. 8: 2011	Qualitative
86	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	General (Charging & discharging procedures for test purposes)	IS 16047:2012 /IEC 61960 Cl. No. 7.1: 2011	0 V to 24 V



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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
87	ELECTRICAL- CELLS & BATTERIES	SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES- SECONDARY LITHIUM CELLS AND BATTERIES FOR PORTABLE APPLICATIONS	High Rate Discharge performance at 20°C	IS 16047:2012 /IEC 61960 Cl. No. 7.3.3: 2011	0 V to 24 V
88	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Protection against access to hazardous parts indicated by the first characteristic numeral	IS/IEC 60529 Cl. No. 12 (RA 2014): 2001	Qualitative
89	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Protection against solid foreign objects indicated by the first characteristic numeral	IS/IEC 60529 Cl. No.13 : 2001	Qualitative
90	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 3 with oscillating tube or spray nozzle	IS/IEC 60529 Cl. No. 14.2.3 (RA 2014): 2001	Qualitative
91	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 4 with oscillating tube or spray nozzle	IS/IEC 60529 Cl. No. 14.2.4 (RA 2014): 2001	Qualitative
92	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 1 with the drip box	IS/IEC 60529 Cl. No. 14.2.1 (RA 2014): 2001	Qualitative



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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
93	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 2 with the drip box	IS/IEC 60529 Cl. No. 14.2.2 (RA 2014): 2001	Qualitative
94	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Leakage Current And Electric Strength	IS 302 (Part 1) Cl. No. 16 (RA 2016): 2008	0 mA to 100 mA
95	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Abnormal Operation	IS 302 (Part 1) Cl. No. 19 (RA 2016): 2008	0 °C to 600 °C
96	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Clearances, Creepage Distances And Solid Insulation	IS 302 (Part 1) Cl. No. 29 (RA 2016): 2008	0 mm to 150 mm
97	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Construction (excluded- 22.16, 22.32 & 22.46)	IS 302 (Part 1) Cl. No. 22 (RA 2016): 2008	Qualitative
98	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Electric Strength	IS 302 (Part 1) Cl. No. 16 (RA 2016): 2008	0 kV to 10 kV
99	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Electric Strength	IS 302 (Part 1) Cl. No. 13 (RA 2016): 2008	0 kV to 10 kV



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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
100	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Heating	IS 302 (Part 1) Cl. No. 11 (RA 2016): 2008	0 °C to 600 °C
101	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Internal Wiring	IS 302 (Part 1) Cl. No. 23 (RA 2016): 2008	0 kV to 10 kV
102	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Leakage Current and Electric Strength At Operating Temperature	IS 302 (Part 1) Cl. No. 13 (RA 2016): 2008	0 mA to 100 mA
103	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Mechanical Strength	IS 302 (Part 1) Cl. No. 21 (RA 2016): 2008	Qualitative
104	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Moisture Resistance (exclude-IPX7 & IPX8)	IS 302 (Part 1) Cl. No. 15 (RA 2016): 2008	Qualitative
105	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Power Input And Current	IS 302 (Part 1) Cl. No. 10 (RA 2016): 2008	0 Watt to 5000 Watt
106	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Protection Against Access to Live Parts	IS 302 (Part 1) Cl. No. 8 (RA 2016): 2008	Qualitative



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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
107	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Provision For Earthing	IS 302 (Part 1) Cl. No. 27 (RA 2016): 2008	0 Ohm to 19.99 Ohm
108	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Resistance to Heat And Fire	IS 302 (Part 1) Cl. No. 30 (RA 2016): 2008	0 mm to 300 mm
109	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Resistance to Rusting	IS 302 (Part 1) Cl. No. 31 (RA 2016): 2008	Qualitative
110	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Screws And Connection	IS 302 (Part 1) Cl. No. 28 (RA 2016): 2008	1 Nm to 5 Nm
111	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Stability And Mechanical Hazards	IS 302 (Part 1) Cl. No. 20 (RA 2016): 2008	Qualitative
112	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Supply Connection And External Flexible Cords	IS 302 (Part 1) Cl. No. 25 (RA 2016): 2008	0 mm to 150 mm
113	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Terminals For External Conductors	IS 302 (Part 1) Cl. No. 26 (RA 2016): 2008	Qualitative



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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
114	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Transient Over Voltages (Up to 10 KV)	IS 302 (Part 1) Cl. No. 14 (RA 2016): 2008	0 kV to 10 kV
115	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Adapter for Household and Similar Electrical Appliances	Verification of Marking & Instructions	IS 302 (Part 1) Cl. No. 7 (RA 2016): 2008	Qualitative
116	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Audio, Video and Related Equipment	Picture level adjustment	IEC 62087 Cl. No.11.4.8: 2015	Qualitative
117	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Dust Test for first characteristic numerals 5 and 6	IS/IEC 60529 Cl. No. 13.4, 13.5 & 13.6 (RA 2014): 2001	Qualitative
118	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Protection against access to hazardous parts indicated by the additional letter	IS/IEC 60529 Cl. No. 7 (RA 2014): 2001	Qualitative
119	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 5 with the 6,3 mm nozzle	IS/IEC 60529 Cl. No. 14.2.5 (RA 2014): 2001	Qualitative
120	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 6 with the 12,5 mm nozzle	IS/IEC 60529 Cl. No. 14.2.6 (RA 2016): 2001	Qualitative



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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
121	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Abnormal Operation- Excluding CI No. 19.7, 19.8, 19.9, 19.10, 19.4.1-19.4.3	IS 302(Part2/Sec201)(RA 2018) CI. No.19 : 2008	0 °C to 600 °C
122	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Classification	IS 302 (Part2/Sec201) (RA 2018) CI. No.6 : 2008	Qualitative
123	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Clearances, Creepage Distances and Solid Insulation	IS 302(Part2/Sec201)(RA 2018) CI. No.29: 2008	0 mm to 150 mm
124	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Component -Visual tests for certified components only	IS 302(Part2/Sec201)(RA 2018) CI. No.24 : 2008	Qualitative
125	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Construction - Excluding- 22.16, 22.32 & 22.46	IS 302(Part2/Sec201)(RA 2018) CI. No.22 : 2008	Qualitative
126	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Electric Strength	IS 302(Part2/Sec201)(RA 2018) CI. No. 16 : 2008	0 kV to 10 kV
127	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Electric Strength	IS 302(Part2/Sec201)(RA 2018) CI. No. 13 : 2008	0 kV to 10 kV



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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
128	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Heating	IS 302(Part2/Sec201)(RA 2018) Cl. No. 11 : 2008	0 °C to 600 °C
129	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Internal Wiring	IS 302(Part2/Sec201) (RA 2018) Cl. No.23 : 2008	0 kV to 10 kV
130	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Leakage Current and electric strength	IS 302(Part2/Sec201)(RA 2018) Cl. No.16: 2008	0 mA to 100 mA
131	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Leakage Current and electric strength at operating temperature	IS 302(Part2/Sec201) (RA 2018) Cl. No.13 : 2008	0 mA to 100 mA
132	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Mechanical Strength	IS 302(Part2/Sec201)(RA 2018) Cl. No.21: 2008	Qualitative
133	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Moisture Resistance (excluded-IPX7 & IPX8)	IS 302(Part2/Sec201)(RA 2018) Cl. No.15 : 2008	Qualitative
134	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Power Input and Current	IS 302(Part2/Sec201)(RA 2018) Cl. No.10 : 2008	0 Watt to 5000 Watt



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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
135	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Protection Against Access To Live Parts	IS 302(Part2/Sec201)(RA 2018) Cl. No.8 : 2008	Qualitative
136	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Provision For Earthing	IS 302(Part2/Sec201)(RA 2018) Cl. No.27 : 2008	0 V to 15 V and 0 A to 200 A
137	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Resistance to heat, fire and tracking	IS 302(Part2/Sec201) (RA 2018) Cl. No.30: 2008	0 mm to 300 mm
138	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Resistance to rusting	IS 302 (Part2/Sec201) (RA 2018) Cl. No.31 : 2008	Qualitative
139	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Screws And Connection	IS 302(Part2/Sec201) (RA 2018) Cl. No.28 : 2008	3 Nm to 14 Nm
140	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Stability and mechanical Hazards	IS 302 (Part2/Sec201) (RA 2018) Cl. No.20: 2008	Qualitative
141	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Supply Connection and External Flexible Cords	IS 302(Part2/Sec201) (RA 2018) Cl. No.25: 2008	0 mm to 150 mm



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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
142	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Terminal For External Conductors	IS 302(Part2/Sec201) (RA 2018) Cl. No.26 : 2008	Qualitative
143	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Transient Over Voltages (Up to 10 kV)	IS 302(Part2/Sec201)(RA 2018) Cl. No.14 : 2008	0 kV to 10 kV
144	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric immersion water heaters	Verification of Marking and Instructions	IS 302(Part2/Sec201)(RA 2018) Cl. No.7 : 2008	Qualitative
145	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Resistance to heat and Fire	IS 302(Part2/Sec35) Cl. No.30 : 2017	0 mm to 300 mm
146	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Abnormal Operation(excluded cl19.7,19.8, 19.9,19.10,19.4.1- 19.4.3)	IS 302(Part2/Sec35) Cl. No. 19 : 2017	0 to 600
147	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Classification	IS 302(Part2/Sec35) Cl. No.6 : 2017	Qualitative
148	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Clearances, Creepage Distances and Solid Insulation	IS 302(Part2/Sec35) Cl. No.29 : 2017	0 mm to 150 mm



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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
149	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Construction (excluded- 22.16, 22.32 & 22.46)	IS 302(Part2/Sec35) Cl. No.22 : 2017	Qualitative
150	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Heating	IS 302(Part2/Sec35)Cl. No.11 : 2017	0 °C to 600 °C
151	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Internal Wiring	IS 302(Part2/Sec35) Cl. No.23 : 2017	0 kV to 10 kV
152	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Leakage Current and electric strength	IS 302(Part2/Sec35) Cl. No. 16 : 2017	0 mA to 100 mA
153	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Leakage Current and electric strength at operating temperature	IS 302(Part2/Sec35) Cl. No.13: 2017	0 mA to 100 mA
154	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Mechanical Strength	IS 302(Part2/Sec35) Cl. No.21: 2017	Qualitative
155	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Moisture Resistance (excluded-IPX7 & IPX8)	IS 302(Part2/Sec35) Cl. No.15 : 2017	Qualitative



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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
156	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Power Input and Current	IS 302(Part2/Sec35) Cl. No.10: 2017	0 Watt to 5000
157	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Protection Against Access To Live Parts	IS 302(Part2/Sec35) Cl. No.8 : 2017	Qualitative
158	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Provision For Earthing	IS 302(Part2/Sec35) Cl. No.27 : 2017	0 V to 15 V and 0 A to 200 A
159	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Resistance to rusting	IS 302(Part2/Sec35) Cl. No.31 : 2017	Qualitative
160	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Screws And Connection	IS 302(Part2/Sec35) Cl. No.28: 2017	3 Nm to 14 Nm
161	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Stability and mechanical Hazards	IS 302(Part2/Sec35) Cl. No.20: 2017	Qualitative
162	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Supply Connection and External Flexible Cords	IS 302(Part2/Sec35) Cl. No.25: 2017	0 mm to 150 mm



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163	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Terminal For External Conductors	IS 302(Part2/Sec35) Cl. No.26 : 2017	Qualitative
164	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Transient Over Voltages (Upto 10 kV)	IS 302(Part2/Sec35) Cl. No.14 : 2017	0 kV to 10 kV
165	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water heaters	Verification of Marking and Instructions	IS 302(Part2/Sec35) Cl. No.7: 2017	Qualitative
166	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Finish	IS 366 (RA 2018) Cl. No. 17: 1991	Qualitative
167	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Cyclic Fluctuation of Temperature	IS 366 (RA 2018) Cl. No. 14 : 1991	0 to 600 °C
168	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Heating-up Time	IS 366 (RA 2018) Cl. No. 10: 1991	0 to 600 °C
169	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Initial Over swing Temperature and Heating-up excess Temperature	IS 366 (RA 2018) Cl. No. 13: 1991	0 °C to 600 °C



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170	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Resistance To Rusting	IS 366 (RA 2018) Cl. No. 17.3: 1991	Qualitative
171	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Sole plate Temperature	IS 366 (RA 2018) Cl. No. 11: 1991	0 °C to 600 °C
172	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Temperature Distribution	IS 366 (RA 2018) Cl. No. 12: 1991	0 °C to 600 °C
173	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Temperature Drop under load	IS 366 (RA 2018) Cl. No. 15: 1991	0 °C to 600 °C
174	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Thermostatic Stability	IS 366 (RA 2018) Cl. No. 16: 1991	1°C to 600°C
175	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Iron	Verification of Marking	IS 366 (RA 2018) Cl. No. 8 : 1991	Qualitative
176	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Abnormal Operation - Excluding Cl. No.19.7, 19.8, 19.9, 19.10, 19.4.1-19.4.3	IS 369(RA 2011) Cl. No.19: 1992	0 °C to 600 °C



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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
177	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Clearances, Creepage Distances and Solid Insulation	IS 369(RA 2011) Cl. No.29: 1992	0 mm to 150 mm
178	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Construction - Excluding 22.16, 22.32 & 22.46	IS 369(RA 2011) Cl. No.22: 1992	Qualitative
179	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Endurance	IS 369(RA 2011) Cl. No.18 : 1992	1°C to 600°C
180	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Finish	IS 369(RA 2011) Cl. No.13 : 1992	Qualitative
181	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Heating	IS 369(RA 2011) Cl. No.11 : 1992	0 °C to 600 °C
182	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Internal Wiring	IS 369(RA 2011) Cl. No.23: 1992	0 kV to 10 kV
183	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Leakage Current and electric strength	IS 369(RA 2011) Cl. No. 16 : 1992	0 mA to 100 mA



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184	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Leakage Current and electric strength at operating temperature	IS 369(RA 2011) Cl. No.13 : 1992	0 mA to 100 mA
185	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Mechanical Strength	IS 369(RA 2011) Cl. No.21 : 1992	Qualitative
186	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Moisture Resistance- Excluding-IPX7 & IPX8	IS 369(RA 2011) Cl. No.15 : 1992	Qualitative
187	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Power Input And Current	IS 369(RA 2011) Cl. No. 10 : 1992	0 Watt to 5000 Watt
188	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Protection Against Access To Live Parts	IS 369(RA 2011) Cl. No. 8 : 1992	Qualitative
189	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Provision For Earthing	IS 369(RA 2011) Cl. No.27 : 1992	0 V to 15 V and 0 A to 200 A
190	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Resistance to heat and Fire	IS 369(RA 2011) Cl. No.30 : 1992	0 mm to 300 mm



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191	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Resistance to rusting	IS 369(RA 2011) Cl. No.31 : 1992	Qualitative
192	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Screws And Connection	IS 369(RA 2011) Cl. No.28 : 1992	3 Nm to 14 Nm
193	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Stability and mechanical Hazards	IS 369(RA 2011) Cl. No. 20: 1992	Qualitative
194	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Supply Connection and External Flexible Cords	IS 369(RA 2011) Cl. No.25 : 1992	0 mm to 150 mm
195	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Temperature Rise of Surface On Which The appliance is Placed or Supported	IS 369(RA 2011) Cl. No.11 : 1992	0 °C to 600 °C
196	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Terminal For External Conductors	IS 369(RA 2011) Cl. No.26 : 1992	Qualitative
197	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Transient Over Voltages -Up to 10 kV	IS 369(RA 2011) Cl. No.14 : 1992	0 to 10 kV



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198	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Verification of Dimensions	IS 369(RA 2011) Cl. No.10: 1992	0.01mm to 300 mm
199	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator	Verification of Marking	IS 369(RA 2011) Cl. No. 8: 1992	Qualitative
200	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Resistance to heat and Fire	IS 302(Part 2/Sec 25) Cl. No. 30 (RA 2019): 2014	0 mm to 250 mm
201	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Abnormal Operation	IS 302(Part 2/Sec 25) Cl. No. 19 (RA 2019): 2014	1°C to 600°C
202	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Classification	IS 302(Part 2/Sec 25) Cl. No. 6 (RA 2019): 2014	Qualitative
203	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Clearances, Creepage Distances and Solid Insulation	IS 302(Part 2/Sec 25) Cl. No. 29 (RA 2019): 2014	0 mm to 150 mm



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204	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Heating	IS 302(Part 2/Sec 25) Cl. No. 11 (RA 2019): 2014	0 °C to 600 °C
205	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Internal Wiring	IS 302(Part 2/Sec 25) Cl. No. 23 (RA 2019): 2014	0 kV to 10 kV
206	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Leakage Current and electric strength	IS 302(Part 2/Sec 25) Cl. No. 16 (RA 2019): 2014	0.5 mA to 25 mA
207	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Leakage current and electric strength at operating temperature	IS 302(Part 2/Sec 25) Cl. No. 13 (RA 2019): 2014	0.5 mA to 25 mA
208	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Moisture Resistance	IS 302(Part 2/Sec 25) Cl. No. 15 (RA 2019): 2014	Qualitative
209	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Overload Protection of Transformers and Associated Circuit	IS 302 (Part 2/Sec 25) Cl. No. 17 (RA 2019): 2014	Qualitative



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210	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Power Input and Current Power Input and Current	IS 302(Part 2/Sec 25) Cl. No. 10 (RA 2019): 2014	0 Watt to 5000 Watt
211	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Protection Against Access To Live Parts	IS 302(Part 2/Sec 25) Cl. No. 8 (RA 2019): 2014	Qualitative
212	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Provision For Earthing	IS 302(Part 2/Sec 25) Cl. No. 27 (RA 2019): 2014	0 Ohm to 10 Ohm
213	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Resistance to rusting	IS 302(Part 2/Sec 25) Cl. No. 31 (RA 2019): 2014	Qualitative
214	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Screws And Connection	IS 302(Part 2/Sec 25) Cl. No. 28 (RA 2019): 2014	1 Nm to 5 Nm
215	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Supply Connection and External Flexible Cords	IS 302(Part 2/Sec 25) Cl. No. 25 (RA 2019): 2014	0 mm to 150 mm



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216	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Terminal For External Conductors	IS 302(Part 2/Sec 25) Cl. No. 26 (RA 2019): 2014	Qualitative
217	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Transient Over voltages	IS 302(Part 2/Sec 25) Cl. No. 14 (RA 2019): 2014	Qualitative
218	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Household and similar electrical appliances microwave ovens including combination microwave ovens	Verification of Marking and instructions	IS 302(Part 2/Sec 25) Cl. No. 7 (RA 2019): 2014	Qualitative
219	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Mechanical Strength	Safety of household and similar electrical appliances clocks	IS 302 (Part 2/Sec 26) Cl. No. 21: 2014	Qualitative
220	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Resistance to heat and Fire and tracking	IS 4159 Cl. No.30 : 2017	0 °C to 1000 °C
221	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Abnormal Operation	IS 4159 Cl. No. 19: 2017	0 °C to 600 °C
222	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Classification	IS 4159 Cl. No. 6 : 2017	Qualitative



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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
223	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Construction	IS 4159 Cl. No. 22: 2017	Qualitative
224	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Creepage Distances and Clearances	IS 4159 Cl. No. 29 : 2017	0 mm to 150 mm
225	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Electrical insulation and electric strength-After humidity treatment	IS 4159 Cl. No. 16 : 2017	0 kV to 10 kV
226	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Electrical insulation and Leakage current at operating temperature	IS 4159 Cl. No. 13 : 2017	0.5 μ A to 25 μ A
227	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Endurance	IS 4159 Cl. No. 18 : 2017	1°C to 600°C
228	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Finish	IS 4159 Cl. No. 33: 2017	Qualitative
229	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Internal Wiring	IS 4159 Cl. No. 23 : 2017	0 kV to 10 kV



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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
230	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Mechanical Strength	IS 4159 Cl. No. 21 : 2017	Qualitative
231	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Moisture Resistance	IS 4159 Cl. No. 15 : 2017	Qualitative
232	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Operation under overload conditions of appliances with heating elements	IS 4159 Cl. No. 12: 2017	Qualitative
233	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Power Input and Current	IS 4159 Cl. No. 10: 2017	0 Watt to 5000 Watt
234	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Protection against electric shock	IS 4159 Cl. No.8: 2017	Qualitative
235	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Provision For Earthing	IS 4159 Cl. No. 27: 2017	0 V to 15 V and 0 A to 200 A
236	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Resistance to rusting	IS 4159 Cl. No. 31 : 2017	Qualitative



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237	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Screws And Connection	IS 4159 Cl. No. 28: 2017	1 Nm to 5 Nm
238	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Stability and mechanical Hazards	IS 4159 Cl. No. 20: 2017	Qualitative
239	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Supply Connection and External Flexible Cords	IS 4159 Cl. No. 25: 2017	0 mm to 150 mm
240	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Temperature rise	IS 4159 Cl. No. 11: 2017	1 °C to 600 °C
241	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Terminal For External Conductors	IS 4159 Cl. No. 26 : 2017	Qualitative
242	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating elements	Verification of Marking	IS 4159 Cl. No. 7: 2017	Qualitative
243	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Power Adapter	Power Consumption	IEC 62087 Cl.No. 11.6: 2015	0.1 W to 5000 W



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244	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Power Adapter	Stand-by Power	IEC 62301 Cl. No. 5.3.1: 2011	0.1 W to 5000 W
245	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Resistance to heat and Fire	IS 302 (Part 2/Sec 26) Cl. No.30 (RA 2019): 2014	0 mm to 250 mm
246	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Abnormal Operation	IS 302 (Part 2/Sec 26) Cl. No. 19 (RA 2019): 2014	1°C to 600°C
247	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Classification	IS 302 (Part 2/Sec 26) Cl. No. 6 (RA 2019): 2014	Qualitative
248	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part 2/Sec 26) Cl. No.29 (RA 2019): 2014	0 mm to 150
249	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Construction-Test probe B	IS 302 (Part 2/Sec 26) Cl. No.22 (RA 2019): 2014	Qualitative
250	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Heating	IS 302 (Part 2/Sec 26) Cl. No. 11 (RA 2019): 2014	0 to 1000



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251	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Internal Wiring	IS 302 (Part 2/Sec 26) Cl. No. 23 (RA 2019): 2014	0 kV to 10 kV
252	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Leakage Current and electric strength	IS 302 (Part 2/Sec 26) Cl. No. 16 (RA 2019): 2014	0.5 mA to 25 mA
253	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Leakage current and electric strength at operating temperature	IS 302 (Part 2/Sec 26) Cl. No. 13 (RA 2019): 2014	0.5 mA to 25 mA
254	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Moisture Resistance	IS 302 (Part 2/Sec 26) Cl. No. 15 (RA 2019): 2014	Qualitative
255	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Overload Protection of Transformers and Associated Circuit	IS 302 (Part 2/Sec 26) Cl. No. 17 (RA 2019): 2014	Qualitative
256	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Power Input and Current	IS 302 (Part 2/Sec 26) Cl. No. 10 (RA 2019): 2014	0 Watt to 5000 Watt
257	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Protection Against Access To Live Parts	IS 302 (Part 2/Sec 26) Cl. No. 8 (RA 2019): 2014	Qualitative



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258	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Provision For Earthing	IS 302 (Part 2/Sec 26) Cl. No. 27 (RA 2019): 2014	0 V to 15 V and 0 A to 200 A
259	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Resistance to rusting	IS 302 (Part 2/Sec 26) Cl. No. 31 (RA 2019): 2014	Qualitative
260	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Screws And Connection	IS 302 (Part 2/Sec 26) Cl. No. 28 (RA 2019): 2014	1 Nm to 5 Nm
261	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Stability and mechanical Hazards	IS 302 (Part 2/Sec 26) Cl. No. 20 (RA 2019): 2014	Qualitative
262	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Supply Connection and External Flexible Cords	IS 302 (Part 2/Sec 26) Cl. No. 25 (RA 2019): 2014	0 mm to 150 mm
263	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Terminal For External Conductors	IS 302 (Part 2/Sec 26) Cl. No. 26 (RA 2019): 2014	Qualitative
264	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Transient Over voltages	IS 302 (Part 2/Sec 26) Cl. No. 14 (RA 2019): 2014	Qualitative



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265	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances clocks	Verification of Marking and instructions	IS 302 (Part 2/Sec 26) Cl. No. 7 (RA 2019): 2014	Qualitative
266	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Resistance to heat and Fire	IS 302-2-14 Cl. No. 30 (RA 2014): 2009	0 mm to 300 mm
267	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Clearances, Creepage Distances and Solid Insulation	IS 302-2-14 Cl. No. 29 : 2009	0.01 mm to 150 mm
268	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Mechanical Strength	IS 302-2-14 Cl. No. 21 (RA 2014): 2009	Qualitative



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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
269	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Moisture Resistance	IS 302-2-14 Cl. No. 15 (RA 2014): 2009	Qualitative
270	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Provision For Earthing	IS 302-2-14 Cl. No. 27 (RA 2014): 2009	0 V to 15 V and 0 A to 200 A
271	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Resistance to rusting	IS 302-2-14 Cl. No. 31 : 2009	Qualitative
272	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Stability and mechanical Hazards	IS 302-2-14 Cl No. 20 (RA 2014): 2009	Qualitative



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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
273	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Terminal For External Conductors	IS 302-2-14 Cl. No. 26: 2009	Qualitative
274	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Resistance to heat and Fire	IS 302-2-14 Cl. No. 30: 2009	0.1°C -150°C/ 0.1°C 20 N1-960°C /1°C 0.01 to 10 mm /0.01 mm
275	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Abnormal Operation	IS 302-2-14 Cl. No. 19 (RA 2014): 2009	0 °C to 600 °C
276	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Construction	IS 302-2-14 Cl. No. 22 (RA 2014): 2009	Qualitative



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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
277	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Leakage Current and electric strength at operating temperature	IS 302-2-14 Cl. No. 13 (RA 2014): 2009	0 kV to 10 kV
278	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Screws And Connection	IS 302-2-14 Cl. No. 28 (RA 2014): 2009	1 Nm to 5 Nm
279	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Supply Connection and External Flexible Cords	IS 302-2-14 Cl. No. 25 (RA 2014): 2009	0 mm to 150 mm
280	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Classification	IS 302-2-14 Cl. No. 6 (RA 2014): 2009	Qualitative



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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
281	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Heating	IS 302-2-14 Cl. No.11 (RA 2014): 2009	0 °C to 600 °C
282	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Internal Wiring	IS 302-2-14 Cl. No. 23 (RA 2014): 2009	0 kV to 10 kV
283	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Leakage Current and electric strength	IS 302-2-14 Cl. No. 16 (RA 2014): 2009	0 mA to 100 mA
284	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Leakage Current and electric strength at operating temperature	IS 302-2-14 Cl. No. 13 (RA 2014): 2009	0 mA to 100 mA



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285	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Marking and Instructions	IS 302-2-14 Cl. No.7 (RA 2014): 2009	Qualitative
286	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Power Input and Current	IS 302-2-14 Cl. No. 10 (RA 2014): 2009	0 Watt to 5000 Watt
287	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Protection Against Access To Live Parts	IS 302-2-14 Cl. No. 8 (RA 2014): 2009	Qualitative
288	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES PART 2 PARTICULAR REQUIREMENTS Section 14 Electric Kitchen Machines	Transient Over voltages	IS 302-2-14 Cl No. 14 (RA 2014): 2009	0 kV to 10 kV



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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
289	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Leakage Current and electric strength	IS 302(Part2/Sec30)(RA 2013) Cl. No. 16 : 2007	0 mA to 100 mA
290	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Moisture Resistance- Excluding IPX7 & IPX8)	IS 302(Part2/Sec30)(RA 2013) Cl. No. 15: 2007	Qualitative
291	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Resistance to heat and Fire	IS 302(Part2/Sec30)(RA 2013) Cl. No. 31: 2007	0 mm to 300 mm
292	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Resistance to heat and Fire	IS 302(Part2/Sec30)(RA 2013) Cl. No. 30: 2007	0 °C to 1000 °C
293	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Abnormal Operation - Excluding Cl. No.19.7, 19.8, 19.9, 19.10, 19.4.1-19.4.3	IS 302(Part2/Sec30)(RA 2013) Cl. No. 19 : 2007	0 °C to 600 °C
294	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Classification	IS 302(Part2/Sec30)(RA 2013) Cl. No. 6: 2007	Qualitative
295	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Clearances, Creepage Distances and Solid Insulation	IS 302(Part2/Sec30)(RA 2013)Cl. No. 29 : 2007	0 Nm to 150 Nm



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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
296	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Construction-Excluding 22.16, 22.32 & 22.46)	IS 302(Part2/Sec30)(RA 2013) CI. No. 22: 2007	Qualitative
297	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Heating	IS 302(Part2/Sec30)(RA 2013) CI. No. 11 : 2007	0 °C to 600 °C
298	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Internal Wiring	IS 302(Part2/Sec30)(RA 2013) CI. No. 23 : 2007	0 kV to 10 kV
299	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Leakage Current and electric strength at operating temp	IS 302(Part2/Sec30)(RA 2013) CI No. 13 : 2007	0 mA to 100 mA
300	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Mechanical Strength	IS 302(Part2/Sec30)(RA 2013) CI. No. 21: 2007	Qualitative
301	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Power Input And Current	IS 302(Part2/Sec30)(RA 2013) CI No. 10: 2007	0 Watt to 5000 Watt
302	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Protection Against Access To Live Parts	IS 302(Part2/Sec30)(RA 2013) CI. No. 8 : 2007	Qualitative



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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
303	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Provision For Earthing	IS 302(Part2/Sec30)(RA 2013) CI No. 27 : 2007	0 V to 19.99 V
304	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Resistance to Rusting	IS 302 (Part2/Sec30) (RA 2013) CI. No. 31: 2007	Qualitative
305	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Screws And Connection	IS 302(Part2/Sec30)(RA 2013) CI. No. 28: 2007	1 Nm to 5 Nm
306	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Stability and Mechanical Hazards	IS 302(Part2/Sec30)(RA 2013) CI. No.20 : 2007	Qualitative
307	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Supply Connection and External Flexible Cords	IS 302(Part2/Sec30)(RA 2013) CI. No. 25 : 2007	0 to 150
308	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Terminal For External Conductors	IS 302(Part2/Sec30)(RA 2013) CI. No. 26 : 2007	Qualitative
309	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Transient Over Voltages -Up to 10 kV	IS 302(Part2/Sec30)(RA 2013) CI. No. 14 : 2007	0 kV to 10 kV



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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
310	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances-Electric Room Heater	Verification of Marking and Instructions	IS 302(Part2/Sec30)(RA 2013) Cl. No. 7 : 2007	Qualitative
311	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Abnormal Operation	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No.19 : 2011	25 °C to 300 °C
312	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Clearances, creepage distances and solid insulation	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 29 : 2011	0 mm to 25 mm
313	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Construction - Excluding 22.16, 22.32 & 22.46	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No.22: 2011	Qualitative
314	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Heating	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 11 : 2011	25 °C to 99.9 °C
315	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Internal Wiring	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 23: 2011	0 kV to 10
316	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Leakage Current and Electric Strength	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 16 : 2011	0 μA to 20 μA



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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
317	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Leakage Current and Electric Strength at Operating Temperature	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 13 : 2011	0 μ A to 20 μ A
318	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Mechanical Strength	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 21 : 2011	Qualitative
319	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Moisture Resistance	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 15: 2011	Qualitative
320	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Power Input And Current	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 10 : 2011	0 Watt to 2000 Watt
321	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Protection Against Access to Live Parts	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 8 : 2011	Qualitative
322	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Provision For Earthing	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 27: 2011	0 V to 19.99 V
323	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Resistance to Heat and Fire	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 30: 2011	0 mm to 5 mm



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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
324	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Resistance to rusting	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No.31: 2011	Qualitative
325	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Screws And Connection	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No.28 : 2011	1 Nm to 5 Nm
326	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Stability and mechanical Hazards	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No.20: 2011	Qualitative
327	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Supply Connection and External Flexible Cords	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 25 : 2011	0.01 mm to 150 mm
328	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Terminals For External Conductors	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 26: 2011	Qualitative
329	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Transient Over Voltages	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No. 14 : 2011	Qualitative
330	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Verification of Classification	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No.6 : 2011	Qualitative



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331	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heater	Verification of Marking & Instruction	IS 302 (Part 2/Sec 21) (RA 2016) Cl. No.7 : 2011	Qualitative
332	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Stored water temperature	IS 2082 Cl. No. 11: 2018	0 °C to 600 °C
333	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Cyclic temperature Variation (Differential)	IS 2082 Cl. No. 20 : 2018	0 °C to 600 °C
334	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Deviation from dial calibration	IS 2082 Cl. No. 19: 2018	0 °C to 600 °C
335	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Energy consumption	IS 2082 Cl. No. 13: 2018	0-999999.999 KWh
336	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Finish	IS 2082 Cl. No. 21: 2018	Qualitative
337	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Hot water output	IS 2082 Cl. No. 16: 2018	0 °C to 600 °C



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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
338	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Mixing factor	IS 2082 Cl. No. 18: 2018	0 °C to 600 °C
339	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Reheating time	IS 2082 Cl. No. 17: 2018	1°C to 600°C
340	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Standing loss per 24 hours	IS 2082 Cl. No. 15: 2018	0 kWh to 12 kWh
341	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Thermostat Setting	IS 2082 Cl. No. 12: 2018	1 °C to 600 °C
342	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage Type Electric Water Heaters	Verification of the rated capacity	IS 2082 Cl. No. 14: 2018	0 to 1000 ml
343	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Basic Environmental testing procedure for Electronics & Electrical items	Bump (Impact)	IS 9000 (Part-7/Sec-2 to Sec-4) (RA 2016) Cl. 5: 1979	Qualitative
344	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Basic Environmental testing procedure for Electronics & Electrical items	Damp Heat (Cyclic)	IS 9000 (Part-4 to Part 5) (RA 2018) Cl.4: 2008	Qualitative



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345	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Basic Environmental testing procedure for Electronics & Electrical items	Dry Cold	IS 9000 (Part-2/Sec. 1 to 4) (RA 2016) CI.No.9: 1977	Qualitative
346	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Basic Environmental testing procedure for Electronics & Electrical items	Dry Heat	IS 9000 (Part-3/Sec. 1 to 5) (RA 2016) CI No.5: 1977	Qualitative
347	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Basic Environmental testing procedure for Electronics & Electrical items	Glow-Wire	IS 11000 (Part 2/Sec 1) CI. No. 5.1: 2018	0.01 mm to 150 mm
348	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Basic Environmental testing procedure for Electronics & Electrical items	Needle-Flame	IS 11000 (Part 2/Sec 2) (RA 2016) CI. No. 9: 2008	Qualitative
349	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Basic Environmental testing procedure for Electronics & Electrical items	Tracking Index	IS 2824 (RA 2012) CI. No. 3.5 : 2007	Qualitative
350	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Basic Environmental testing procedure for Electronics & Electrical items	Vibration (sinusoidal)	IS 9001 (Part 13) (RA 2018) CI.No.5: 1981	Qualitative
351	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Basic Environmental testing procedure for Electronics & Electrical items	Vicat Softening	IS 10810 (Part 22) (RA 2016) CI No.5: 1984	0.01 mm to 150 mm
352	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures (IP CODE)	Numeral 1 with the drip box (IPX1)	IS/IEC:60529 CI. No. 13.5, CI. No. 13.4 CI. No. 13.6 : 2001	Qualitative



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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
353	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures (IP CODE)	Protection against access to hazardous parts indicated by the additional letter (IPXXCH)	IS/IEC:60529 Cl. No. 15 : 2001	Qualitative
354	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures (IP CODE)	Protection against access to hazardous parts indicated by the first characteristic numeral (IPX)	IS/IEC 60529 Cl. No. 12: 2001	Qualitative
355	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures (IP CODE)	Protection against solid foreign objects indicated by the first characteristic numeral(IPX)	IS/IEC:60529 Cl. No. 13 (RA 2014): 2001	Qualitative
356	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 2 with the drip box (IPX2)	IS/IEC:60529Cl. No. 14.2.2: 2001	Qualitative
357	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 3 with oscillating tube or spray nozzle (IPX3)	IS/IEC:60529Cl. No. 14.2.3 : 2001	Qualitative
358	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 4 with oscillating tube or spray nozzle (IPX4)	IS/IEC:60529Cl. No. 14.2.4 : 2001	Qualitative
359	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures (IP CODE)	Second characteristic numeral 5 with the 6,3 mm nozzle (IPX5)	IS/IEC:60529 Cl. No. 14.2.5 : 2001	Qualitative



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360	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures (IP CODE)	Test for Second characteristic	IS/IEC:60529 Cl.No. 14.2.1 : 2001	Qualitative
361	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Degrees of protection provided by enclosures(IP CODE)	Second characteristic numeral 6 with the 12,5 mm nozzle (IPX6)	IS/IEC:60529 Cl. No. 14.2.6 : 2001	Qualitative
362	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Marking	IS 10322 (Part 5-Sec 2) (RA 2017) Cl. 5 : 2012	Qualitative
363	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Construction	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 16 : 2012	Qualitative
364	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Creepage Distance and Clearances	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 17 : 2012	0.01 mm to 150 mm
365	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Electric Strength	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 12 : 2012	0.01 to 10kV /0.01kV
366	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Fault Condition	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 14 : 2012	15 to 35
367	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Marking	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 7 : 2012	Qualitative
368	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Moisture Resistance And Insulation	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 11 : 2012	0.1 to 2000 MOhm / 0.1/1MOhm
369	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Protection Against Accidental Contact With Live Parts	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 8 : 2012	Qualitative



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370	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Provision for Protecting Earthing	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 10 : 2012	Up to 40 A, Up to 19.9 V, Up to 60 min
371	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Resistance to corrosion	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 20 : 2012	Qualitative
372	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Resistance to Heat, Fire and Tracking	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No.19 : 2012	0.01 to 10 mm/0.01 mm
373	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Screw Current Carrying Parts and Connections	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 18 : 2012	Qualitative
374	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Terminals	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No. 9 : 2012	Qualitative
375	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Thermal Endurance Test For Windings Of Ballasts	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. 13 : 2012	Amb-300 °C
376	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC Supplied Electronic Control Gear for LED Modules	Transformer heating	IS 15885 (Part 2/Sec 13) (RA 2017) Cl. No.15 : 2012	0 to 400
377	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Battery Chargers For Self Contained Emergency Luminaires	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No. 20 : 2013	Qualitative
378	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Changeover Operation	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.18 : 2013	Qualitative
379	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Construction - Excluding Cl. 4.4.4, 4.5, , 4.11.6, 4.24, 11	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.7: 2013	Qualitative



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380	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Creepage Distance & Clearance	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.8 : 2013	0 mm to 150 mm
381	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Endurance and Thermal	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.13: 2013	0 °C to 400 °C
382	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	External and Internal Wiring	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No. 11 : 2013	Qualitative
383	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Insulation Resistance and Electric Strength	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No. 15: 2013	0.1 to 2000 MOhm / 0.1/1MOhm0.01 to 10kV /0.01kV
384	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Marking	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.6: 2013	Qualitative
385	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Protection Against Electric Shock	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.12 : 2013	Qualitative
386	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Provision for Earthing	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.9 : 2013	0 V to 15 V and 0 A to 200 A
387	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Resistance to Dust and Moisture -Excluded IPX7 & IPX8	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No. 14: 2013	Qualitative
388	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Rest Mode and Inhibition Mode Facilities	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.22: 2013	Qualitative
389	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Terminals	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.10 : 2013	Qualitative



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390	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Test Devices for Emergency Operation	IS 10322 (Part 5/ Sec 8) (RA 2018) Cl. No.21 : 2013	Qualitative
391	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Construction	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 7: 2012	Qualitative
392	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Creepage Distance & Clearance	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 8 : 2012	0.1 mm to 100 mm
393	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Endurance and thermal	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 13: 2012	25 °C to 400 °C
394	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	External and Internal Wiring	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 11: 2012	Qualitative
395	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Insulation Resistance and Electric Strength	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 15 : 2012	0.1 to 2000 MOhm / 0.1/1MOhm0.01 to 10kV /0.01kV
396	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Marking	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 6 : 2012	Qualitative
397	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Protection Against Electric Shock	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 12 : 2012	Qualitative
398	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Provision for Earthing	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 9 : 2012	0 V to 15 V and 0 A to 200 A
399	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Resistance to dust and Moisture	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 14: 2012	Qualitative



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400	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Resistance to Heat, Fire and Tracking	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No.16: 2012	0.01 mm to 5 mm
401	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Terminals	IS 10322 (Part 5/ Sec 1) (RA 2017) Cl. No. 10: 2012	Qualitative
402	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood - Lights	Classification Of Luminaires	IS 10322 (Part 5 /Sec 5) (RA 2018) Cl. No. 4: 2013	Qualitative
403	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood - Lights	Construction	IS 10322 (Part 5 /Sec 5) (RA 2018) Cl. No. 7: 2013	Qualitative
404	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood - Lights	Creepage Distances And Clearances	IS 10322 (Part 5 /Sec 5) (RA 2018) Cl. No. 8: 2013	0.01 mm to 150 mm
405	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood - Lights	External And Internal Wiring	IS 10322 (Part 5 /Sec 5) (RA 2018) Cl. No. 11: 2013	Qualitative
406	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood - Lights	Marking	IS 10322 (Part 5 /Sec 5) (RA 2018) Cl. No. 6: 2013	Qualitative
407	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood - Lights	Protection Against Electric Shock	IS 10322 (Part 5 /Sec 5) (RA 2018) Cl. No.12: 2013	Qualitative
408	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood - Lights	Provision For Earthing	IS 10322 (Part 5 /Sec 5) (RA 2018) Cl. No. 9: 2013	0 V to 15 V and 0 A to 200 A
409	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood - Lights	Terminals	IS 10322 (Part 5 /Sec 5) (RA 2018) Cl. No. 10: 2013	Qualitative



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410	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Construction - Exclusion Cl. 4.4.4, 4.5, 4.10.4, 4.11.6, 4.24, 5.2.14	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.7 : 2013	Qualitative
411	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Creepage Distance & Clearance	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.8 : 2013	0 mm to 150 mm
412	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Endurance and Thermal	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.13 : 2013	0 °C to 250 °C
413	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	External and Internal Wiring	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.11: 2013	Qualitative
414	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Insulation Resistance and Electric Strength	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.15 : 2013	0.01 kV to 10 kV
415	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Marking	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.6 : 2013	Qualitative
416	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Protection Against Electric Shock	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.12 : 2013	Qualitative
417	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Provision for Earthing	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.9 : 2013	Up to 200 AU Up to 19.99 V
418	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Resistance to Dust and Moisture -Excluded- IPX7 & IPX8	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl.14 : 2013	Qualitative



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419	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Resistance to Heat, Fire and Tracking -Ball Pressure	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.16 : 2013	0.01 mm to 5 mm
420	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Hand Lamps	Terminals	IS 10322 (Part 5/ Sec 6) (RA 2018) Cl. No.10: 2013	Qualitative
421	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Construction - Exclusion Cl. 4.4.4, 4.5, 4.10.4, 4.11.6, 4.24, 5.2.14	IS 10322 (Part 5/ Sec 7) Cl. No.20.7: 2017	Qualitative
422	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Creepage Distance & Clearance	IS 10322 (Part 5/ Sec 7) Cl. No. 20.8: 2017	0.01 mm to 150 mm
423	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Endurance Test and Thermal	IS 10322 (Part 5/ Sec 7) Cl. No. 20.13: 2017	0.1 °C to 70 °C
424	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	External and Internal Wiring	IS 10322 (Part 5/ Sec 7) Cl. No. 20.11: 2017	Qualitative
425	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Insulation Resistance and Electric Strength	IS 10322 (Part 5/ Sec 7) Cl. No. 20.15 : 2017	0.1 to 2000 MOhm / 0.1/1 MOhm 0.01 to 10 kV /0.01 kV
426	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Marking	IS 10322 (Part 5/ Sec 7) Cl. No. 20.6 : 2017	Qualitative
427	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Protection Against Electric Shock	IS 10322 (Part 5/ Sec 7) Cl. No.20.12 : 2017	Qualitative



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428	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Provision for Earthing	IS 10322 (Part 5/ Sec 7) Cl. No. 20.9: 2017	0.1A to 200A,0.01V to 19.99V
429	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Resistance to Dust and Moisture -Excluded- IPX7 & IPX8	IS 10322 (Part 5/ Sec 7) Cl. No. 20.14 : 2017	Qualitative
430	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Resistance to Heat, Fire and Tracking -ball Pressure	IS 10322 (Part 5/ Sec 7) Cl. No. 20.16: 2017	0.1 mm to 960 mm
431	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Terminals	IS 10322 (Part 5/ Sec 7) Cl. No. 20.10: 2017	Qualitative
432	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Construction	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No.7 : 2012	Qualitative
433	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Creepage Distances And Clearances	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 8 : 2012	0.01 mm to 150
434	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Endurance Tests And Thermal Tests	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 13 : 2012	0 °C to 250 °C
435	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	External And Internal Wiring	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 11 : 2012	Qualitative
436	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Marking	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 6: 2012	Qualitative
437	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Protection Against Electric Shock	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 12 : 2012	Qualitative



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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
438	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Provision For Earthing	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 9 : 2012	0 V to 15 V and 0 A to 200 A
439	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Resistance To Dust And Moisture	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 14: 2012	Qualitative
440	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Resistance To Heat, Fire And Tracking	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 16: 2012	0.01 mm to 5 mm
441	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Terminals	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 10: 2012	Qualitative
442	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Insulation Resistance And Electric Strength	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 15: 2012	0.1 to 2000 MOhm / 0.1/1MOhm 0.01 to 10kV /0.01kV
443	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Classification Of Luminaries	IS 10322 (Part 5 /Sec 3) (RA 2017) Cl. No. 5: 2012	Qualitative
444	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Creepage Distances And Clearances	IS 10322 (Part 5 / Sec 2) (RA 2017) Cl. No. 8 : 2012	0.01 mm to 150 mm
445	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Marking	IS 10322 (Part 5 / Sec 2) (RA 2017) Cl. No.6: 2012	Qualitative
446	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Construction	IS 10322 (Part 5 / Sec 2) (RA 2017) Cl No.7: 2012	Qualitative
447	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Endurance Test and Thermal Test	IS 10322 (Part 5 / Sec 2) (RA 2017) Cl.13 : 2012	0 °C to 600 °C



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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
448	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	External and Internal Wiring	IS 10322 (Part 5 / Sec 2) (RA 2017) CI No. 11: 2012	Qualitative
449	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Insulation Resistance and Electric Strength	IS 10322 (Part 5 / Sec 2) (RA 2017) CI No. 15: 2012	0.1 to 2000 MOhm / 0.1/1MOhm0.01 to 10kV /0.01kV
450	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Protection Against Electric Shock	IS 10322 (Part 5 / Sec 2) (RA 2017) CI No. 12: 2012	Qualitative
451	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Provision for Earthing	IS 10322 (Part 5 / Sec 2) (RA 2017) CI. No. 9 : 2012	0 V to 15 V and 0 A to 200 A
452	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Resistance to Dust and Moisture	IS 10322 (Part 5 / Sec 2) (RA 2017) CI No. 14: 2012	Qualitative
453	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Resistance to Heat, Fire and Tracking	IS 10322 (Part 5 / Sec 2) (RA 2017) CI No. 16: 2012	0.01 mm to 5 mm
454	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Terminals	IS 10322 (Part 5 / Sec 2) (RA 2017) CI No.10: 2012	Qualitative
455	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Cap Temperature Rise	IS 16102 (Part 1) (RA 2017) CI. No. 10 : 2012	0.1 °C to 99.9 °C
456	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Creepage Distance and Clearance	IS 16102 (Part 1) (RA 2017) CI. No. 14 : 2012	0.01 mm to 150 mm
457	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Fault Condition	IS 16102 (Part 1) (RA 2017) CI. No. 13 : 2012	0 °C to 200 °C



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458	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Insulation Resistance and Electric Strength after Humidity Treatment	IS 16102 (Part 1) (RA 2017) Cl. No. 8 : 2012	0.1 to 2000 MOhm / 0.1/1MOhm0.01 to 10kV /0.01kV
459	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Interchangeability	IS 16102 (Part 1) (RA 2017) Cl. No. 6 : 2012	Qualitative
460	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Marking	IS 16102 (Part 1) (RA 2017) Cl. No. 5 : 2012	Qualitative
461	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Mechanical Strength	IS 16102 (Part 1) (RA 2017) Cl. No. 9 : 2012	Qualitative
462	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Protection Against accidental contact with live parts	IS 16102 (Part 1) (RA 2017) Cl. No. 7 : 2012	Qualitative
463	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Resistance to Flame and Ignition	IS 16102 (Part 1) (RA 2017) Cl. No. 12 : 2012	Qualitative
464	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps (B22d, E14 and E27)	Resistance to Heat	IS 16102 (Part 1) (RA 2017) Cl. No. 11 : 2012	0.001 mm to 5 mm
465	ELECTRICAL- SAFETY TESTING FACILITY	Electric Toys	Clearance and creepage distance	IS 15644 (RA 2016) Cl. 18 : 2006	0.01 mm to 300 mm
466	ELECTRICAL- SAFETY TESTING FACILITY	Electric Toys	Components - Excluding Cl. No. 16.1 & 16.3	IS 15644 (RA 2016) Cl. 16 : 2006	Qualitative



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467	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Construction	IS 15644 (RA 2016) Cl. 14 : 2006	200g, 1kg, 2kg, 5kg
468	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Electric strength at operating temperature	IS 15644 (RA 2016) Cl. 10 : 2006	0 V to 10000 V
469	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Electric strength at room temperature	IS 15644 (RA 2016) Cl. 12 : 2006	0 V to 10,000 V
470	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Heating and abnormal operation	IS 15644 (RA 2016) Cl. 9 : 2006	1 °C to 600 °C
471	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Mechanical strength	IS 15644 (RA 2016) Cl. 13 : 2006	Qualitative
472	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Moisture Resistance - Excluding IPX7 & IPX8	IS 15644 (RA 2016) Cl. 11 : 2006	Qualitative
473	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Power Input	IS 15644 (RA 2016) Cl. 8 : 2006	0 Watt to 5000
474	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Protection of cords and wires	IS 15644 (RA 2016) Cl. 15 : 2006	0 mm to 300 mm
475	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Resistance to heat and fire	IS 15644 (RA 2016) Cl. 19 : 2006	0 mm to 250 mm
476	ELECTRICAL-SAFETY TESTING FACILITY	Electric Toys	Screw and connections	IS 15644 (RA 2016) Cl. 17 : 2006	Qualitative



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477	ELECTRICAL- SAFETY TESTING FACILITY	Electric Toys	Verification of Marking and instructions	IS 15644 (RA 2016) Cl. 7 : 2006	Qualitative
478	ELECTRONICS- AUDIO EQUIPMENT	Household electrical appliances- Measurement of standby power	Standby Power Mode	IEC 62301, 2nd edition Cl. No.5.3.1 : 2011	0.1 W to 5000 W
479	ELECTRONICS- AUDIO EQUIPMENT	Method of measurement for the power consumption of audio, video and related equipment	Power in on Mode	IEC 62087, 3rd edition Cl. No.11.6 : 2011	0.1 W to 5000 W
480	ELECTRONICS- AUDIO EQUIPMENT	Power consumption of audio, video and related equipment	Luminance Testing	IEC 62087, 3rd edition Cl. No. 11.4.8: 2011	0.001cd/m ² to 1999k cd/m ²
481	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Clearances and creepage distances	IS 616 Cl. No.13 : 2017	0.01 mm to 150 mm



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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
482	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Construction Requirement With Regards to the protection against electric shock	IS 616 Cl. No.8 : 2017	Qualitative
483	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Electric shock hazard under normal operating conditions	IS 616 Cl. No.9 : 2017	0.01 mA to 20 mA
484	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Electrical connections and mechanical fixings	IS 616 Cl. No. 17: 2017	0.01 mm to 150 mm



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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
485	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	External flexible cords	IS 616 Cl. No. 16: 2017	Qualitative
486	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Fault conditions	IS 616 Cl. No.11: 2017	0 °C to 600 °C
487	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Heating under normal operating Conditions	IS 616 Cl. No. 7: 2017	0 °C to 600 °C



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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
488	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Insulation requirements	IS 616 Cl. No.10: 2017	Qualitative
489	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Mechanical Strength	IS 616 Cl. No. 12.1.2, Cl. 12.1.3 Cl. 12.1.4 & Cl. 12.1.5 Cl. 12.1.6, Cl.12.2, Cl.12.3, Cl.12.4, Cl.12.5, Cl.12.6& Cl.12.7: 2017	Qualitative
490	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Resistance to fire-Glow Wire-Ball Pressure	IS 616 Cl. No. 20 : 2017	0.01 mm to 120 mm



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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
491	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Stability and mechanical hazards- Inclined plane	IS 616 Cl. No. 19 : 2017	Qualitative
492	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Terminals	IS 616 Cl. No. 15: 2017	Qualitative
493	ELECTRONICS-DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Games (Video), Electronic Musical System, Optical Disc Players, PLASMA/LCD/LED TV, Power Amplifiers, Power Adaptors for Audio, Video & Similar Electronics Apparatus	Verification of Marking and instructions	IS 616 Cl. No.5: 2017	Qualitative
494	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Mobile Phone Handsets	Message Readability	IS 16333 (Part 3) Cl. No. 5 : 2017	Qualitative



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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
495	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Mobile Phone Handsets	Text Inputting	IS 16333 (Part 3) Cl. No.6 : 2017	Qualitative
496	ELECTRONICS- IT EQUIPMENT	Personal Computer Laptop Notebook Tablet Desktop	Verification Of marking and Instruction	IS 13252(Part 1) :2010/IEC 60950-1: Cl. No.1.7: 2005	Qualitative
497	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit , Set Top Box, Cash Registers, Automatic Data Processing Machines	Abnormal operating and fault conditions	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 5.3 : 2005	0 °C to 400 °C



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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
498	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Clearances, creep age distances and distances through Insulation	IS 13252 (Part 1):2010/IEC 60950-1 Cl. 2.10 : 2005	0.01 mm to 150 mm



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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
499	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Connection to a mains supply	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 3.2 : 2005	0.01 mm to 150 mm



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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
500	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Connection to cable distribution system	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 7 : 2005	Qualitative



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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
501	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Design and Construction	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 4.3 : 2005	Qualitative



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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
502	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Disconnection from the mains supply	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 3.4 : 2005	Qualitative



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503	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Electric strength	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 5.2 : 2005	Qualitative



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Laboratory Name NEXTRON INTERNATIONAL LAB PRIVATE LIMITED, G-45, POCKET-C, SECTOR-4, BAWANA, NEW DELHI, DELHI, INDIA

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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
504	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Electrical insulation	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.2.9 : 2005	Qualitative



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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
505	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Interconnection of equipment	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 3.5 : 2005	Qualitative



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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
506	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Limited current circuits	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.2.4 : 2005	0.1 mA to 70 mA



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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
507	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Limited power sources	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.2.5: 2005	0.1 to 350V, 0.1 to 25A,



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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
508	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Mechanical Strength	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 4.2 : 2005	Qualitative



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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
509	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Openings in enclosures	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 4.6 : 2005	Qualitative



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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
510	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Over current and earth fault protection in primary circuits	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.2.7 : 2005	Qualitative



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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
511	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Power interface	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.1.6 : 2005	0.1 Watt to 5000 Watt



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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
512	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Protection against hazardous moving parts	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 4.4 : 2005	Qualitative



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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
513	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Protection from electric shock and Energy hazards	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.2.1 : 2005	Qualitative



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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
514	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Frinking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 6.1 & 6.2 & 6.3 : 2005	Qualitative



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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
515	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Provisions for Earthing and Bonding	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.2.6 : 2005	1 A to 40 A, 0.1 V to 19.9 V



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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
516	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Resistance to fire	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 4.7.1 & Cl. 4.7.2 & 4.7.3 : 2005	Qualitative



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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
517	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Safety Interlocks	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.2.8 : 2005	Qualitative



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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
518	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	SELV circuits	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.2.2 : 2005	0.1 V to 100 V



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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
519	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Stability-Inclined Plane	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 4.1: 2005	Qualitative



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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
520	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Thermal Requirements	IS 13252 (Part 1):2010/IEC 60950-1 Cl. 4.5 : 2005	0 °C to 600 °C



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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
521	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	TNV circuits	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.2.3: 2005	0.1 V to 100 V



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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
522	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Touch Current and Protective Conductor Current	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 5.1 : 2005	0.1 mA to 5 mA



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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
523	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Verification of Marking and Instructions	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.1.7 : 2005	Qualitative



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524	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Wiring Connection and Supply	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No.3.0 : 2005	Qualitative



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525	ELECTRONICS- IT EQUIPMENT	Power Adaptors for IT Equipment, Printer & Plotters, Laptop/Notebook/Tables, Mail Processing Machines/Postage Machines/Franking Machines, Mobile Phones, Scanners, Passport Reader, Copying Machines/Duplicators Point of Sale terminals, Power Bank, Telephone Answering Machines, Smart Card Readers, Wireless-Key Board, Visual Display Unit, Set Top Box, Cash Registers, Automatic Data Processing Machines	Wiring terminals for connection of external conductors	IS 13252 (Part 1):2010/IEC 60950-1 Cl. No. 3.3 : 2005	0.01 mm to 150 mm
526	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Abnormal operation and fault conditions	IS 16242 (Part 1) Cl. No.8.3.1/8.3.2 (RD5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.9) : 2014	Qualitative
527	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Connection to power	IS 16242 (Part 1) Cl. No.6.2 (RD3.2.2to 3.2.9) : 2014	0.01 mm to 150 mm
528	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Connection to telecommunication networks	IS 16242 (Part 1) Cl. No.9 (6/ RD & 3.5/RD) : 2014	Qualitative



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529	ELECTRONICS-POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Electric strength	IS 16242 (Part 1) Cl. No.8.2(RD5.2) : 2014	Qualitative
530	ELECTRONICS-POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Enclosure	IS 16242 (Part 1) Cl. No.7.1(RD 2.1) : 2014	Qualitative
531	ELECTRONICS-POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	General Provision for Earthing	IS 16242 (Part 1) Cl. No.8.1 (RD 5.1.1) : 2014	0.01 mA to 3.5 mA
532	ELECTRONICS-POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Mechanical strength	IS 16242 (Part 1) Cl. No.7.3(RD 4.2) : 2014	Qualitative
533	ELECTRONICS-POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Protection of the telecommunication wiring system from overheating	IS 16242 (Part 1) Cl. No. 6.3: 2014	Qualitative
534	ELECTRONICS-POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Resistance to fire	IS 16242 (Part 1) Cl. No.7.5 : 2014	0.01 mm to 150 mm
535	ELECTRONICS-POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Stability-Inclined Plane	IS 16242 (Part 1) Cl. No.7.2(RD 4.1) : 2014	Qualitative
536	ELECTRONICS-POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Temperature rise	IS 16242 (Part 1)Cl. No.7.7(RD 4.5) : 2014	0 °C to 600 °C
537	ELECTRONICS-POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Wiring terminal for external power conductor	IS 16242 (Part 1) Cl. No.6.3(RD 3.3) : 2014	0.01 mm to 150 mm



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Laboratory Name NEXTRON INTERNATIONAL LAB PRIVATE LIMITED, G-45, POCKET-C, SECTOR-4, BAWANA, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5001 Page No. : 105 / 110

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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
538	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Wiring, connections and supply	IS 16242 (Part 1) Cl. No.6 (RD3.0(3.1.1 to 3.1.1): 2014	Qualitative
539	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating = 5kVA	Clearance, creepage distances and distance through insulation	IS 16242 (Part 1) Cl. No.5.7: 2014	0.01 mm to 150 mm
540	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating =5kVA	AC and D.C. Power isolation	IS 16242 (Part 1) Cl. No.5.4: 2014	Qualitative
541	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating =5kVA	Marking and Instructions	IS 16242 (Part 1) Cl. No.4.7 (RD 1.7.11) : 2014	Qualitative
542	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating =5kVA	Over current and earth fault protection	IS 16242 (Part 1) Cl. No. 5.5: 2014	Qualitative
543	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating =5kVA	Power Interface	IS 16242 (Part 1) Cl. No.4.6 (RD 1.6.2) : 2014	0.1 Watt to 5000 Watt
544	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating =5kVA	Protection against electric shock and energy hazards	IS 16242 (Part 1) Cl. No.5.1.1 , 5.1.2,5.1.3,5.1.4 : 2014	Qualitative
545	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating =5kVA	Protection of personnel-Safety interlocks	IS 16242 (Part 1) Cl. No.5.6.1/5.6.2.1/5.6.2.2 / 5.6.2.3/5.6.2.4(RD 2.8) : 2014	Qualitative
546	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating =5kVA	Requirement of auxiliary circuits	IS 16242 (Part 1) Cl. No.5.2.1,5.2.2,5.2.3&5.2.5 (RD2.2,2.3,2.4&2.5) : 2014	0.01 mA to 20 mA



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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
547	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS Invertors of rating =5kVA	Protective earthing and bonding	IS 16242 (Part 1) Cl. No.5.3 (RD 2.6) : 2014	1-40A, 0.01-19.99V
548	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Accessibility of Part or component	IS 9873 (Part 1) Cl. 5.7, Cl. 4.6 : 2017	Qualitative
549	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Brake Performance for toys scooters	IS 9873 (Part 1) Cl. 5.28, Cl. 4.30.6 : 2017	Qualitative
550	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Closure and toys chest lids	IS 9873 (Part 1) Cl. 5.13, Cl. 4.16.2 : 2017	Qualitative
551	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Compression	IS 9873 (Part 1) Cl. 5.24.7 : 2017	Qualitative
552	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Determination of Cord Thickness and Length	IS 9873 (Part 1) Cl. 5.11, Cl. 4.11.1: 2017	1 mm to 300 mm
553	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Determination of Speed of electrically Driven ride-on toys	IS 9873 (Part 1) Cl. 5.17, Cl. 4.23 : 2017	Qualitative
554	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Drop	IS 9873 (Part 1) Cl. 5.24.2 : 2017	Qualitative
555	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Dynamic Strength	IS 9873 (Part 1) Cl. 5.24.4 : 2017	Qualitative
556	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Dynamic Strength for toy scooters	IS 9873 (Part 1) Cl. 5.27, Cl. 4.30.3 : 2017	Qualitative



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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
557	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Expanding Materials	IS 9873 (Part 1) Cl. 5.21, Cl. 4.3.2 : 2017	Qualitative
558	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Flame	IS 9873 (Part 2) Cl. 5.2 : 2017	Qualitative
559	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Flame	IS 9873 (Part 2) Cl. 5.3 : 2017	Qualitative
560	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Flexure	IS 9873 (Part 1) Cl. 5.24.8, Cl. 4.9: 2017	Qualitative
561	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Folding or Sliding Mechanisms	IS 9873 (Part 1) Cl. 5.22: 2017	Qualitative
562	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Free-wheeling Facility and Brake performance	IS 9873 (Part 1) Cl. 5.16, Cl. 4.21: 2017	0 cm to 200 cm
563	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Impact for Magnets	IS 9873 (Part 1) Cl. 5.33 : 2017	Qualitative
564	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Impact for toys that cover the face	IS 9873 (Part 1) Cl. 5.14, Cl. 4.17 : 2017	Qualitative
565	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Kinetic energy and Wall Impact	IS 9873 (Part 1) Cl. 5.15, Cl. 4.18: 2017	Qualitative
566	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Leakage of liquid-Filled Toys	IS 9873 (Part 1) Cl. 5.19, Cl. 4.25 : 2017	Qualitative



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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
567	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Length of Suction cup projectiles	IS 9873 (Part 1) Cl. 5.37 : 2017	Qualitative
568	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Magnetic Flux Index	IS 9873 (Part 1) Cl. 5.32 : 2017	Qualitative
569	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Pompoms	IS 9873 (Part 1) Cl. 5.5, Cl. 4.5.3 : 2017	Qualitative
570	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Pre-school play figures	IS 9873 (Part 1) Cl. 5.6, Cl. 4.5.4 : 2017	Qualitative
571	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Projectile Range	IS 9873 (Part 1) Cl. 5.35 : 2017	Qualitative
572	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Resistance to separation of handle bar	IS 9873 (Part 1) Cl. 5.30, Cl. 4.30.5 : 2017	Qualitative
573	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Shape and Size	IS 9873 (Part 1) Cl. 5.3, Cl. 4.5 : 2017	Qualitative
574	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Sharp Point	IS 9873 (Part 1) Cl. 5.9, Cl. 4.7 : 2017	Qualitative
575	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Sharp-Edge	IS 9873 (Part 1) Cl. 5.8, Cl. 4.6 : 2017	Qualitative
576	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Small Balls	IS 9873 (Part 1) Cl. 5.4, Cl. 4.5.2 : 2017	Qualitative



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577	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Small Parts	IS 9873 (Part 1) Cl. 5.2, Cl. 4.4 : 2017	Qualitative
578	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Soaking for Magnet	IS 9873 (Part 1) Cl. 5.34 : 2017	Qualitative
579	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Soft-filled toys	IS 9873 (Part 2) Cl. 5.5 : 2017	Qualitative
580	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Stability and Overload	IS 9873 (Part 1) Cl. 5.12, Cl. 4.15: 2017	Qualitative
581	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Static Strength for toy scooters	IS 9873 (Part 1) Cl. 5.26, Cl. 4.30.3 : 2017	Qualitative
582	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Strength of toy scooters steering tubes	IS 9873 (Part 1) Cl. 5.29, Cl. 4.30.3 : 2017	Qualitative
583	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Tension	IS 9873 (Part 1) Cl. 5.24.6 : 2017	Qualitative
584	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Tension for magnets	IS 9873 (Part 1) Cl. 5.31 : 2017	Qualitative
585	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Thickness of plastic film and Sheeting	IS 9873 (Part 1) Cl. 5.10, Cl. 4.10 : 2017	0.02 mm to 1000 mm
586	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Tip assessment of rigid projectiles	IS 9873 (Part 1) Cl. 5.36 : 2017	Qualitative



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587	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Tip-over for large and bulky toys	IS 9873 (Part 1) Cl. 5.24.3 : 2017	Qualitative
588	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Torque	IS 9873 (Part 1) Cl. 5.24.5 : 2017	Qualitative
589	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Washable Toys, Weight increase %	IS 9873 (Part 1) Cl. 5.23, Cl. 4.1 : 2017	Qualitative
590	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys for Indoor and Outdoor Family Domestic Use	Deflation of inflatable activity Toys	IS 9873 (Part 4) Cl. 6.9 : 2017	Qualitative
591	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys for Indoor and Outdoor Family Domestic Use	Maximum height	IS 9873 (Part 4) Cl. 4.1, Cl. 4.1.2 : 2017	Qualitative
592	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys for Indoor and Outdoor Family Domestic Use	Protrusions	IS 9873 (Part 4) Cl. 6.7 : 2017	Qualitative
593	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys for Indoor and Outdoor Family Domestic Use	Stability	IS 9873 (Part 4) Cl. 6.1.1, Cl 6.1.2, Cl 6.1.3, Cl 6.1.4, Cl 6.1.5 : 2017	Qualitative
594	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys for Indoor and Outdoor Family Domestic Use	Static Load for paddling pools with non-inflatable walls	IS 9873 (Part 4) Cl. 6.10: 2017	Qualitative
595	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys for Indoor and Outdoor Family Domestic Use	Static Strength	IS 9873 (Part 4) Cl. 6.2, Cl. 6.2.1 : 2017	Qualitative