

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Classic Instrumentation Pvt. Ltd.

C-45, Sector-65,

Noida-201301, Uttar Pradesh, India

has been assessed and accredited in accordance with the Standard

ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”

In the field of

Testing

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued compliance to the above standard & any other requirements specified by QAI.



QAI/CIA/TL/2024/0050

(Date of First Accreditation: 10 May 2024 – 09 May 2026)

Valid from: 10 May 2026

Valid until: 09 May 2028

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
1.	Safety of Household and Similar Electrical Appliances	General Requirement	Cl.4 of IEC 60335-1:2020+A1
2.	Safety of Household and Similar Electrical Appliances	General Requirement	Cl.4 of IS 302-1:2008+A4
3.	Safety of Household and Similar Electrical Appliances	General Condition for the Test	Cl. 5 of IEC 60335-1:2020+A1
4.	Safety of Household and Similar Electrical Appliances	Classification	Cl.6 of IEC 60335-1:2020+A1
5.	Safety of Household and Similar Electrical Appliances	Classification	Cl.6 of IS 302-1:2008+A4
6.	Safety of Household and Similar Electrical Appliances	Marking and Instruction	Cl.7 of IEC 60335-1:2020+A1
7.	Safety of Household and Similar Electrical Appliances	Marking and Instruction	Cl.7 of IS 302-1:2008+A4
8.	Safety of Household and Similar Electrical Appliances	Protection against access to live Parts	Cl.8 of IEC 60335-1:2020+A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
9.	Safety of Household and Similar Electrical Appliances	Protection against access to live Parts	Cl.8 of IS 302-1:2008+A4
10.	Safety of Household and Similar Electrical Appliances	Starting of Motor-operated Appliance	Cl.9 of IEC 60335-1:2020+A1
11.	Safety of Household and Similar Electrical Appliances	Starting of Motor-operated Appliance	Cl.9 of IS 302-1:2008+A4
12.	Safety of Household and Similar Electrical Appliances	Power Input and Current	Cl.10 of IEC 60335-1:2020+A1
13.	Safety of Household and Similar Electrical Appliances	Power Input and Current	Cl.10 of IS 302-1:2008+A4
14.	Safety of Household and Similar Electrical Appliances	Heating	Cl.11 of IEC 60335-1:2020+A1
15.	Safety of Household and Similar Electrical Appliances	Heating	Cl.11 of IS 302-1:2008+A4
16.	Safety of Household and Similar Electrical Appliances	Leakage Current and Electric Strength at Operating Temperature	Cl.13 of IEC 60335-1:2020+A1

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
17.	Safety of Household and Similar Electrical Appliances	Leakage Current and Electric Strength at Operating Temperature	Cl.13 of IS 302-1:2008+A4
18.	Safety of Household and Similar Electrical Appliances	Transient Over Voltage	Cl.14 of IEC 60335-1:2020+A1
19.	Safety of Household and Similar Electrical Appliances	Transient Over Voltage	Cl.14 of IS 302-1:2008+A4
20.	Safety of Household and Similar Electrical Appliances	Moisture Resistance	Cl.15 of IEC 60335-1:2020+A1
21.	Safety of Household and Similar Electrical Appliances	Moisture Resistance	Cl.15 of IS 302-1:2008+A4
22.	Safety of Household and Similar Electrical Appliances	Leakage Current and Electric Strength	Cl.16 of IEC 60335-1:2020+A1
23.	Safety of Household and Similar Electrical Appliances	Leakage Current and Electric Strength	Cl.16 of IS 302-1:2008+A4
24.	Safety of Household and Similar Electrical Appliances	Overload Protection of Transformers and associated circuit	Cl.17 of IEC 60335-1:2020+A1

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
25.	Safety of Household and Similar Electrical Appliances	Overload Protection of Transformers and associated circuits	Cl.17 of IS 302-1:2008+A4
26.	Safety of Household and Similar Electrical Appliances	Endurance	Cl.18 of IEC 60335-1:2020+A1
27.	Safety of Household and Similar Electrical Appliances	Endurance	Cl.18 of IS 302-1:2008+A4
28.	Safety of Household and Similar Electrical Appliances	Abnormal Operation	Cl.19 of IEC 60335-1:2020+A1
29.	Safety of Household and Similar Electrical Appliances	Abnormal Operation	Cl.19 of IS 302-1:2008+A4
30.	Safety of Household and Similar Electrical Appliances	Stability and Mechanical Hazards	Cl.20 of IEC 60335-1:2020+A1
31.	Safety of Household and Similar Electrical Appliances	Stability and Mechanical Hazards	Cl.20 of IS 302-1:2008+A4
32.	Safety of Household and Similar Electrical Appliances	Mechanical Strength	Cl.21 of IEC 60335-1:2020+A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
33.	Safety of Household and Similar Electrical Appliances	Mechanical Strength	Cl.21 of IS 302-1:2008+A4
34.	Safety of Household and Similar Electrical Appliances	Construction	Cl.22 of IEC 60335-1:2020+A1
35.	Safety of Household and Similar Electrical Appliances	Construction	Cl.22 of IS 302-1:2008+A4
36.	Safety of Household and Similar Electrical Appliances	Internal Wiring	Cl.23 of IEC 60335-1:2020+A1
37.	Safety of Household and Similar Electrical Appliances	Internal Wiring	Cl.23 of IS 302-1:2008+A4
38.	Safety of Household and Similar Electrical Appliances	Components	Cl.24 of IEC 60335-1:2020+A1
39.	Safety of Household and Similar Electrical Appliances	Components	Cl.24 of IS 302-1:2008+A4
40.	Safety of Household and Similar Electrical Appliances	Supply connection and external flexible cords	Cl.25 of IEC 60335-1:2020+A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
41.	Safety of Household and Similar Electrical Appliances	Supply connection and external flexible cords	Cl.25 of IS 302-1:2008+A4
42.	Safety of Household and Similar Electrical Appliances	Terminal for external conductors	Cl.26 of IEC 60335-1:2020+A1
43.	Safety of Household and Similar Electrical Appliances	Terminal for external conductors	Cl.26 of IS 302-1:2008+A4
44.	Safety of Household and Similar Electrical Appliances	Provision for earthing	Cl.27 of IEC 60335-1:2020+A1
45.	Safety of Household and Similar Electrical Appliances	Provision for earthing	Cl.27 of IS 302-1:2008+A4
46.	Safety of Household and Similar Electrical Appliances	Screws and Connection	Cl.28 of IEC 60335-1:2020+A1
47.	Safety of Household and Similar Electrical Appliances	Screws and Connection	Cl.28 of IS 302-1:2008+A4
48.	Safety of Household and Similar Electrical Appliances	Clearances, creepage distance and solid insulation	Cl.29 of IEC 60335-1:2020+A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
49.	Safety of Household and Similar Electrical Appliances	Clearances, creepage distance and solid insulation	Cl.29 of IS 302-1:2008+A4
50.	Safety of Household and Similar Electrical Appliances	Resistance Heat and Fire	Cl.30 of IEC 60335-1:2020+A1
51.	Safety of Household and Similar Electrical Appliances	Resistance Heat and Fire	Cl.30 of IS 302-1:2008+A4
52.	Safety of Household and Similar Electrical Appliances	Resistance to rusting	Cl.31 of IEC 60335-1:2020+A1
53.	Safety of Household and Similar Electrical Appliances	Resistance to rusting	Cl.31 of IS 302-1:2008+A4
54.	Safety of Household and Similar Electrical Appliances	Radiation, toxicity and similar hazards	Cl.32 of IEC 60335-1:2020+A1
55.	Safety of Household and Similar Electrical Appliances	Radiation, toxicity and similar hazards	Cl.32 of IS 302-1:2008+A4
56.	Domestic Electric Clothes Washing Machine	General Requirement	Cl.4 of IEC 60335-2-7:2024
57.	Domestic Electric Clothes Washing Machine	General Requirement	Cl.4 of IS 302-2-7:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
58.	Domestic Electric Clothes Washing Machine	General Condition for the Test	Cl.5 of IEC 60335-2-7:2024
59.	Domestic Electric Clothes Washing Machine	General Condition for the Test	Cl.5 of IS 302-2-7:2024
60.	Domestic Electric Clothes Washing Machine	Classification	Cl.6 of IEC 60335-2-7:2024
61.	Domestic Electric Clothes Washing Machine	Classification	Cl.6 of IS 302-2-7:2024
62.	Domestic Electric Clothes Washing Machine	Marking and Instruction	Cl.7 of IEC 60335-2-7:2024
63.	Domestic Electric Clothes Washing Machine	Marking and Instruction	Cl.7 of IS 302-2-7:2024
64.	Domestic Electric Clothes Washing Machine	Protection against access to live parts	Cl.8 of IEC 60335-2-7:2024
65.	Domestic Electric Clothes Washing Machine	Protection against access to live parts	Cl.8 of IS 302-2-7:2024
66.	Domestic Electric Clothes Washing Machine	Power Input & Current (Current)	Cl.10 of IEC 60335-2-7:2024
67.	Domestic Electric Clothes Washing Machine	Power Input & Current (Current)	Cl.10 of IS 302-2-7:2024
68.	Domestic Electric Clothes Washing Machine	Power Input & Current (Input)	Cl.10 of IEC 60335-2-7:2024
69.	Domestic Electric Clothes Washing Machine	Power Input & Current (Input)	Cl.10 of IS 302-2-7:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
70.	Domestic Electric Clothes Washing Machine	Heating	Cl.11 of IEC 60335-2-7:2024
71.	Domestic Electric Clothes Washing Machine	Heating	Cl.11 of IS 302-2-7:2024
72.	Domestic Electric Clothes Washing Machine	Leakage Current and electric strength at operating Temperature	Cl.13 of IEC 60335-2-7:2024
73.	Domestic Electric Clothes Washing Machine	Leakage Current and electric strength at operating Temperature	Cl.13 of IS 302-2-7:2024
74.	Domestic Electric Clothes Washing Machine	Transient Over voltage	Cl.14 of IEC 60335-2-7:2024
75.	Domestic Electric Clothes Washing Machine	Transient Over voltage	Cl.14 of IS 302-2-7:2024
76.	Domestic Electric Clothes Washing Machine	Moisture resistance	Cl.15 of IEC 60335-2-7:2024
77.	Domestic Electric Clothes Washing Machine	Moisture resistance	Cl.15 of IS 302-2-7:2024
78.	Domestic Electric Clothes Washing Machine	Leakage current and Electric strength	Cl.16 of IEC 60335-2-7:2024
79.	Domestic Electric Clothes Washing Machine	Leakage current and Electric strength	Cl.16 of IS 302-2-7:2024
80.	Domestic Electric Clothes Washing Machine	Overload Protection of Transformer and Associated Circuits	Cl.17 of IEC 60335-2-7:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
81.	Domestic Electric Clothes Washing Machine	Overload Protection of Transformer and Associated Circuits	Cl.17 of IS 302-2-7:2024
82.	Domestic Electric Clothes Washing Machine	Endurance	Cl.18 of IEC 60335-2-7:2024
83.	Domestic Electric Clothes Washing Machine	Endurance	Cl.18 of IS 302-2-7:2024
84.	Domestic Electric Clothes Washing Machine	Abnormal Operation	Cl.19 of IEC 60335-2-7:2024
85.	Domestic Electric Clothes Washing Machine	Abnormal Operation	Cl.19 of IS 302-2-7:2024
86.	Domestic Electric Clothes Washing Machine	Stability and Mechanical Hazards	Cl.20 of IEC 60335-2-7:2024
87.	Domestic Electric Clothes Washing Machine	Stability and Mechanical Hazards	Cl.20 of IS 302-2-7:2024
88.	Domestic Electric Clothes Washing Machine	Mechanical Strength	Cl.21 of IEC 60335-2-7:2024
89.	Domestic Electric Clothes Washing Machine	Mechanical Strength	Cl.21 of IS 302-2-7:2024
90.	Domestic Electric Clothes Washing Machine	Construction	Cl.22 of IEC 60335-2-7:2024
91.	Domestic Electric Clothes Washing Machine	Construction	Cl.22 of IS 302-2-7:2024
92.	Domestic Electric Clothes Washing Machine	Internal Wiring	Cl.23 of IEC 60335-2-7:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
93.	Domestic Electric Clothes Washing Machine	Internal Wiring	Cl.23 of IS 302-2-7:2024
94.	Domestic Electric Clothes Washing Machine	Components	Cl.24 of IEC 60335-2-7:2024
95.	Domestic Electric Clothes Washing Machine	Components	Cl.24 of IS 302-2-7:2024
96.	Domestic Electric Clothes Washing Machine	Supply Connection and External Flexible Cords	Cl.25 of IEC 60335-2-7:2024
97.	Domestic Electric Clothes Washing Machine	Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-7:2024
98.	Domestic Electric Clothes Washing Machine	Terminals for external conductors	Cl.26 of IEC 60335-2-7:2024
99.	Domestic Electric Clothes Washing Machine	Terminals for external conductors	Cl.26 of IS 302-2-7:2024
100.	Domestic Electric Clothes Washing Machine	Provision For Earthing	Cl.27 of IEC 60335-2-7:2024
101.	Domestic Electric Clothes Washing Machine	Provision For Earthing	Cl.27 of IS 302-2-7:2024
102.	Domestic Electric Clothes Washing Machine	Screws and Connections	Cl.28 of IEC 60335-2-7:2024
103.	Domestic Electric Clothes Washing Machine	Screws and Connections	Cl.28 of IS 302-2-7:2024
104.	Domestic Electric Clothes Washing Machine	Clearances, Creepage Distances and Solid Insulation	Cl.29 of IEC 60335-2-7:2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
105.	Domestic Electric Clothes Washing Machine	Clearances, Creepage Distances and Solid Insulation	Cl.29 of IS 302-2-7:2024
106.	Domestic Electric Clothes Washing Machine	Resistance To Heat and Fire	Cl.30 of IEC 60335-2-7:2024
107.	Domestic Electric Clothes Washing Machine	Resistance To Heat and Fire	Cl.30 of IS 302-2-7:2024
108.	Domestic Electric Clothes Washing Machine	Resistance To Rusting	Cl.31 of IEC 60335-2-7:2024
109.	Domestic Electric Clothes Washing Machine	Resistance To Rusting	Cl.31 of IS 302-2-7:2024
110.	Domestic Electric Clothes Washing Machine	Radiation, Toxicity and Similar Hazards	Cl.32 of IEC 60335-2-7:2024
111.	Domestic Electric Clothes Washing Machine	Radiation, Toxicity and Similar Hazards	Cl.32 of IS 302-2-7:2024
112.	Domestic Electric Clothes Washing Machine	Ageing test for elastomeric Parts, Detergent free electrolyser washing machines	Annex BB, Annex CC IEC 60335-2-7:2024, IS 3400-6:2018
113.	Domestic Electric Clothes Washing Machine	Ageing test for elastomeric Parts, Detergent free electrolyser washing machines	Annex BB, Annex CC IS 302-2-7:2024, IS 3400-6:2018
114.	Household Refrigerating Appliances	Automatic ice making Capacity test	Cl.9 of IEC 62552-2:2015+A1+A2
115.	Household Refrigerating Appliances	Determination of compartment average air temperatures	Annex D of IEC 62552-1:2015+A1+A2

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	Safety Testing Facility		
116.	Household Refrigerating Appliances	Determination of Steady state power & temperature	Annex B of IEC 62552-3:2015+A1+A2
117.	Household Refrigerating Appliances	Determination of Volume	Cl.4.8 of IEC 62552-3:2015+A1+A2 & Annex H of IEC 62552-3:2015+A1+A2
118.	Household Refrigerating Appliances	Energy consumption of Specified auxiliaries	Annex F of IEC 62552-3:2015+A1+A2
119.	Household Refrigerating Appliances	Interpolation of results	Annex E of IEC 62552-3:2015+A1+A2
120.	Household Refrigerating Appliances	Pull-down test	Annex A of IEC 62552-2:2015+A1+A2
121.	Household Refrigerating Appliances	Storage Test	Cl.6 of IEC 62552-2:2015+A1+A2
122.	Household Refrigerating Appliances	Temperature rise test	Annex C of IEC 62552-2:2015+A1+A2
123.	Household Refrigerating Appliances	Wine storage appliances & compartments storage test	Annex B of IEC 62552-2:2015+A1+A2
124.	Household Refrigerating Appliances	Cooling capacitive test	Cl.7of IEC 62552-2:2015+A1+A2
125.	Household Refrigerating Appliances	Defrost and recovery Energy and temperature change	Annex C of IEC 62552-3:2015+A1+A2
126.	Household Refrigerating Appliances	Defrost interval	Annex D of IEC 62552-3:2015+A1+A2

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	Safety Testing Facility		
127.	Household Refrigerating Appliances	Determination of energy consumption	Cl.6 of IEC 62552-3: 2015+A1+A2 & Annex A of IEC 62552-3: 2015+A1+A2
128.	Household Refrigerating Appliances	Determination of load Processing efficiency	Annex G of IEC 62552-3:2015+A1+A2
129.	Household Refrigerating Appliances	Freezing capacitive test	Cl.8 of IEC 62552-2:2015+A1+A2
130.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Classification	Cl. 4 of IS 17550 (Part1) :2024
131.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Markings	Cl. 5 of IS 17550 (Part1) :2024
132.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Technical and Commercial Product Information	Cl. 6 of IS 17550 (Part1) :2024
133.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Instructions	Cl. 7 of IS 17550(Part1):2024
134.	Household Refrigerating Appliances -Characteristics	Materials, Design, and Manufacture	Cl. 8 of IS 17550 (Part1):2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
	and Test Methods- Part 1 General Requirements		
135.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Testing the Air Tightness of Door or Lid Seal(s)	Cl. 9 of IS 17550 (Part1):2024
136.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Testing the Opening Force of Door(S) or Lid(S)	Cl-10 of IS 17550(Part1):2024
137.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Testing the Durability of Hinges and Handles of Door(S) And Lid(S)	Cl. 11 of IS 17550 (Part1):2024
138.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Testing the Mechanical Strength of Shelves and Similar Component	Cl. 12 of IS 17550 (Part1):2024
139.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Water vapor condensation Test	Cl. 13 of IS 17550(Part1):2024
140.	Household Refrigerating Appliances -Characteristics	Ice-Making Test (If Applicable)	Cl. 14 of IS 17550 (Part1):2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
	and Test Methods- Part 1 General Requirements		
141.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Test for Absence of Odour and Taste	Cl. 15 of IS 17550 (Part1):2024
142.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Safety Requirements	Cl. 16 of IS 17550(Part1):2024 IS 302-1:2024 (Cl. 8, 10, 11, 13,15, 16)
143.	Household Refrigerating Appliances -characteristics and Test Methods Part2 Performance Requirements (First Revision)	Packing	Cl. 17 of IS 17550 (Part1):2024
144.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Designation	Cl. 18 of IS 17550 (Part1):2024
145.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Instructions for Use and Maintenance	Cl-19 of IS 17550 (Part1):2024
146.	Household Refrigerating Appliances -characteristics	Schedule of Tests	Cl. 20 of IS 17550 (Part1):2024

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	Safety Testing Facility		
	and Test Methods Part2 Performance Requirements (First Revision)		
147.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Test Room and Instrumentation	Annex B of IS 17550 (Part1): 2024
148.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Preparation Of an Appliance for Testing and General Measurement Procedures	Annex C of IS 17550 (Part1): 2024
149.	Household Refrigerating Appliances -characteristics and Test Methods Part2 Performance Requirements (First Revision)	Test Packages	Annex D of IS 17550 (Part1): 2024
150.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Determination Of Compartment Average Air Temperatures	Annex E of IS 17550 (Part1): 2024
151.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Details Of Identification Symbols	Annex F of IS 17550 (Part1): 2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
152.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Items That May Be Included In a Test Report	Annex G of IS 17550 (Part1): 2024
153.	Household Refrigerating Appliances -Characteristics and Test Methods- Part 1 General Requirements	Wine Storage Appliance	Annex H of IS 17550 (Part1): 2024
154.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Criteria For Eco-Label for Refrigerators	Annex J of IS 17550 (Part1):2024
155.	Household Refrigerating Appliances-Characteristics and Test Methods - Part 2 Performance Requirements	Performance Requirements and Tests	Cl-4 of IS 17550 (Part2): 2024 + A1
156.	Household Refrigerating Appliances-Characteristics and Test Methods - Part 2 Performance Requirements	Pull-Down Test	Cl.4.6 (a) & Annex A of IS 17550 (Part2): 2024 + A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
157.	Household Refrigerating Appliances-Characteristics and Test Methods - Part 2 Performance Requirements	General Test Conditions	Cl. 5 of IS 17550 (Part2): 2024 + A1
158.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Storage Test	Cl. 6 of IS 17550 (Part2): 2024 + A1
159.	Household Refrigerating Appliances-Characteristics and Test Methods - Part 2 Performance Requirements	Cooling Capacity Test	Cl. 7 of IS 17550 (Part2): 2024+ A1
160.	Household Refrigerating Appliances-Characteristics and Test Methods - Part 2 Performance Requirements	Freezing Capacity Test	Cl-8 of IS 17550 (Part2): 2024+ A1
161.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Automatic Ice Making Capacity Test	Cl. 9 of IS 17550 (Part2): 2024+ A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
162.	Household Refrigerating Appliances-Characteristics and Test Methods - Part 2 Performance Requirements	Pull-Down Test	ANNEX A of IS 17550 (Part2): 2024 + A1
163.	Household Refrigerating Appliances-Characteristics and Test Methods - Part 2 Performance Requirements	Wine Storage Appliances and Compartments; Storage Test	ANNEX B of IS 17550 (Part2): 2024 + A1
164.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Temperature Rise Test	ANNEX C of IS 17550 (Part2): 2024 + A1
165.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Water Vapour Condensation Test	ANNEX D of IS 17550 (Part2): 2024 + A1
166.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3	Applicable Test Steps for Determination of Energy and Volume	Cl. 4 of IS 17550 (Part 3): 2025 + A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
	Energy Consumption and Volume (First Revision)		
167.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Total Volume	Cl. 4.8 & Annex H of IS 17550 (Part 3): 2025 + A1
168.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Target Temperatures for Energy Determination	Cl. 5 of IS 17550 (Part 3): 2025 + A1
169.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Determination of Energy Consumption	Cl-6 of IS 17550 (Part 3): 2025 + A1
170.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3	Circumvention Devices	Cl. 7 of IS 17550 (Part 3): 2025 + A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
	Energy Consumption and Volume (First Revision)		
171.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Set Up for Energy Testing	ANNEX A of IS 17550 (Part 3): 2025 + A1
172.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Determination Of Steady State Power and Temperature	ANNEX B of IS 17550 (Part 3): 2025 + A1
173.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Defrost And Recovery Energy and Temperature Change	ANNEX C of IS 17550 (Part 3): 2025 + A1
174.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3	Defrost Interval	ANNEX D of IS 17550 (Part 3): 2025 + A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
	Energy Consumption and Volume (First Revision)		
175.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Interpolation Of Results	ANNEX E of IS 17550 (Part 3): 2025 + A1
176.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Energy Consumption of Specified Auxiliaries	ANNEX F of IS 17550 (Part 3): 2025 + A1
177.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Determination Of Load Processing Efficiency	ANNEX G of IS 17550 (Part 3): 2025 + A1
178.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3	Determination Of Volume	ANNEX H of IS 17550 (Part 3): 2025 + A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
	Energy Consumption and Volume (First Revision)		
179.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Worked Examples of Energy Consumption Calculations	ANNEX J of IS 17550 (Part 3): 2025 + A1
180.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Protection against access to live parts	Cl.16(a) of IS17550-1:2024 and IS 302-1:2008+A1+A2+A3+A4
181.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Power input and current	Cl.16(b) of IS17550-1:2024 and IS302- 1:2008+A1+A2+A3+A4
182.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Heating	Cl.16(c) of IS17550-1:2024 and IS 302- 1:2008+A1+A2+A3+A4
183.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Leakage current and electric strength at operating temperature	Cl.16(d) of IS17550-1:2024 and IS302- 1:2008+A1+A2+A3+A4

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
184.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Moisture resistance	Cl.16(e) of IS17550-1:2024 and IS 302- 1:2008+A1+A2+A3+A4
185.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Leakage current and electric strength (high voltage after humidity)	Cl.16(f) of IS17550-1:2024 and IS302- 1:2008+A1+A2+A3+A4
186.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Leakage current test	Cl.20.3(a) of IS17550-1:2024 and IS 302-1:2008+A1+A2+A3+A4
187.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Earth continuity test	Cl.20.3(b) of IS17550-1:2024 and IS 302-1:2008+A1+A2+A3+A4
188.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Electric strength	Cl.20.3(c) of IS17550-1:2024 and IS 302-1:2008+A1+A2+A3+A4
189.	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1 General Requirements	Safety requirements (Protection against access to live parts, Power input and current) (Heating, Leakage current and electric strength hat operating	Cl.16 of IS 17550-1:2024 & IS 302- 1:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
		temperature, Moisture resistance, Leakage current and electric strength (high voltage after humidity))	
190.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Set up for energy consumption	Clause 4.1, Annex A of IS 17550 (Part 3): 2025 + A1
191.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	Steady state power consumption	Clause 4.2, Annex B of IS 17550 (Part 3): 2025 + A1
192.	Household Refrigerating Appliances— Characteristics and Methods of Test Part 3 Energy Consumption and Volume (First Revision)	(Defrost and Recovery Energy and Temperature Change)	Clause 4.3, Annex C of IS 17550 (Part 3): 2025 + A1
193.	Safety of Household and Similar Electrical Appliances	General Condition for the Test	Cl. 5 of IS 302-1:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
194.	Household and Similar Electrical Appliances-Safety General Requirements	Classification	Cl. 6 of IS 302-1:2024
195.	Household and Similar Electrical Appliances-Safety General Requirements	Marking and Instruction	Cl. 7 of IS 302-1:2024
196.	Household and Similar Electrical Appliances-Safety General Requirements	Protection against electric shock	Cl. 8 of IS 302-1:2024
197.	Household and Similar Electrical Appliances-Safety General Requirements	Starting for motor operated appliances	Cl. 9 of IS 302-1:2024
198.	Household and Similar Electrical Appliances-Safety General Requirements	Power Input and current	Cl. 10 of IS 302-1:2024
199.	Household and Similar Electrical Appliances-Safety General Requirements	Heating/ Temperature Rise Test	Cl. 11 of IS 302-1:2024
200.	Household and Similar Electrical Appliances-Safety General Requirements	Charging of metal-ion batteries	Cl. 12 of IS 302-1:2024
201.	Household and Similar Electrical Appliances-Safety General Requirements	Leakage Current and Electric Strength at Operating Temperature	Cl. 13 of IS 302-1:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
202.	Household and Similar Electrical Appliances-Safety General Requirements	Transient Over voltage	Cl. 14 of IS 302-1:2024
203.	Household and Similar Electrical Appliances-Safety General Requirements	Moisture resistance	Cl. 15 of IS 302-1:2024
204.	Household and Similar Electrical Appliances-Safety General Requirements	Leakage current and electric strength	Cl. 16 of IS 302-1:2024
205.	Household and Similar Electrical Appliances-Safety General Requirements	Overload Protection/ Overload Protection of Transformer and Associated Circuits	Cl. 17 of IS 302-1:2024
206.	Household and Similar Electrical Appliances-Safety General Requirements	Endurance	Cl. 18 of IS 302-1:2024
207.	Household and Similar Electrical Appliances-Safety General Requirements	Abnormal Operation	Cl. 19 of IS 302-1:2024
208.	Household and Similar Electrical Appliances-Safety General Requirements	Stability and Mechanical Hazards	Cl. 20 of IS 302-1:2024
209.	Household and Similar Electrical Appliances-Safety General Requirements	Mechanical strength	Cl. 21 of IS 302-1:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
210.	Household and Similar Electrical Appliances-Safety General Requirements	Construction	Cl. 22 of IS 302-1:2024
211.	Household and Similar Electrical Appliances-Safety General Requirements	Internal Wiring	Cl. 23 of IS 302-1:2024
212.	Household and Similar Electrical Appliances-Safety General Requirements	Components	Cl. 24 of IS 302-1:2024
213.	Household and Similar Electrical Appliances-Safety	Supply Connection and External Flexible Cords	Cl. 25 of IS 302-1:2024
214.	Household and Similar Electrical Appliances-Safety	Terminals for external conductors	Cl. 26 of IS 302-1:2024
215.	Household and Similar Electrical Appliances-Safety	Provision for earthing	Cl. 27 of IS 302-1:2024
216.	Household and Similar Electrical Appliances-Safety	Screws and Connections	Cl. 28 of IS 302-1:2024
217.	Household and Similar Electrical Appliances-Safety	Creepage distance & clearances / Clearances, Creepage distances and solid insulations	Cl. 29 of IS 302-1:2024
218.	Household and Similar Electrical Appliances-Safety	Resistance to Heat and Fire	Cl. 30 of IS 302-1:2024
219.	Household and Similar Electrical Appliances-Safety	Resistance to Rusting	Cl. 31 of IS 302-1:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
220.	Household and Similar Electrical Appliances-Safety	Radiation, Toxicity and Similar Hazards	Cl. 32 of IS 302-1:2024
221.	Household and Similar Electrical Appliances-Safety	Routine tests	Annex A of IS 302-1:2024
222.	Household and Similar Electrical Appliances-Safety	Battery-operated appliances, separable batteries and detachable batteries for battery-operated appliances	Annex B of IS 302-1:2024
223.	Household and Similar Electrical Appliances-Safety	Ageing test on motors	Annex C of IS 302-1:2024
224.	Household and Similar Electrical Appliances-Safety	Thermal motor protectors	Annex D of IS 302-1:2024
225.	Household and Similar Electrical Appliances-Safety	Needle-flame test	Annex E of IS 302-1:2024
226.	Household and Similar Electrical Appliances-Safety	Capacitors	Annex F of IS 302-1:2024
227.	Household and Similar Electrical Appliances-Safety	Safety isolating transformers	Annex G of IS 302-1:2024
228.	Household and Similar Electrical Appliances-Safety	Switches	Annex H of IS 302-1:2024
229.	Household and Similar Electrical Appliances-Safety	Motors having basic insulation that is inadequate for the rated voltage of the appliance	Annex I of IS 302-1:2024
230.	Household and Similar Electrical Appliances-Safety	Coated printed circuit boards	Annex J of IS 302-1:2024

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Electrical Testing			
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	Safety Testing Facility		
231.	Household and Similar Electrical Appliances-Safety	Overvoltage categories	Annex K of IS 302-1:2024
232.	Household and Similar Electrical Appliances-Safety	Guidance for the measurement of clearances and creepage distances	Annex L of IS 302-1:2024
233.	Household and Similar Electrical Appliances-Safety	Pollution degree	Annex M of IS 302-1:2024
234.	Household and Similar Electrical Appliances-Safety	Proof tracking test	Annex N of IS 302-1:2024
235.	Household and Similar Electrical Appliances-Safety	Selection and sequence of the tests of Clause 30	Annex O of IS 302-1:2024
236.	Household and Similar Electrical Appliances-Safety	Guidance for the application of this standard to appliances used in tropical climates	Annex P of IS 302-1:2024
237.	Household and Similar Electrical Appliances-Safety	Sequence of tests for the evaluation of electronic circuits	Annex Q of IS 302-1:2024
238.	Household and Similar Electrical Appliances-Safety	Software evaluation	Annex R of IS 302-1:2024
239.	Household and Similar Electrical Appliances-Safety	Guidance for the application of this standard on measurement of power input and current based on the requirements of 10.1 and 10.2 concerning the representative period	Annex S of IS 302-1:2024

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Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
240.	Household and Similar Electrical Appliances-Safety	UV-C radiation effect on non-metallic materials	Annex T of IS 302-1:2024
241.	Household and Similar Electrical Appliances-Safety	Appliances intended for remote communication through public networks	Annex U of IS 302-1:2024



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
1.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	General requirement and general test requirements	IS 16102: Part 1: 2026 Clause 4
2.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Marking	IS 16102: Part 1: 2026 Clause 5
3.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Interchangeability	IS 16102: Part 1: 2026 Clause 6
4.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Protection against accidental contact with live parts	IS 16102: Part 1: 2026 Clause 7
5.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Insulation resistance and electric strength after humidity treatment	IS 16102: Part 1: 2026 Clause 8
6.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Mechanical strength	IS 16102: Part 1: 2026 Clause 9

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
7.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Cap temperature rise	IS 16102: Part 1: 2026 Clause 10
8.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Resistance to heat	IS 16102: Part 1: 2026 Clause 11
9.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Resistance to flame and ignition	IS 16102: Part 1: 2026 Clause 12
10.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Fault conditions	IS 16102: Part 1: 2026 Clause 13
11.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Creepage distances and clearances	IS 16102: Part 1: 2026 Clause 14
12.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Abnormal operation	IS 16102: Part 1: 2026 Clause 15

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
13.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Test conditions for dimmable lamps	IS 16102: Part 1: 2026 Clause 16
14.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Photobiological safety	IS 16102: Part 1: 2026 Clause 17
15.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Ingress protection	IS 16102: Part 1: 2026 Clause 18
16.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Information for luminaire design	IS 16102: Part 1: 2026 Clause 19
17.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Schedule of tests	IS 16102: Part 1: 2026 Clause 20
18.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Tests	IS 16102: Part 1: 2026 Clause 21

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
19.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Battery operated lamps	IS 16102: Part 1: 2026 ANNEX B
20.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Information for luminaire design	IS 16102: Part 1: 2026 ANNEX C
21.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Overview of systems composed of led modules and control gear	IS 16102: Part 1: 2026 ANNEX D
22.	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Lamps with operating position limitations	IS 16102: Part 1: 2026 ANNEX E
23.	LED Modules for General Lighting - Part 1 Safety - Specifications	Marking	Cl. 6 of IS 16103: Part 1:2025 / IEC 62031:2018
24.	LED Modules for General Lighting - Part 1 Safety - Specifications	Terminals	Cl. 7, Cl. 7.1, Cl. 7.2 of IS 16103: Part 1:2025 / IEC 62031:2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
25.	LED Modules for General Lighting - Part 1 Safety - Specifications	Earthing	Cl. 8 of IS 16103: Part 1:2025 / IEC 62031:2018
26.	LED Modules for General Lighting - Part 1 Safety - Specifications	Protection against accidental contact with live parts	Cl. 9 of IS 16103: Part 1:2025 / IEC 62031:2018
27.	LED Modules for General Lighting - Part 1 Safety - Specifications	Moisture Resistance and Insulation	Cl. 10 of IS 16103: Part 1:2025 / IEC 62031:2018
28.	LED Modules for General Lighting - Part 1 Safety - Specifications	Electric Strength	Cl. 11 of IS 16103: Part 1:2025 / IEC 62031:2018
29.	LED Modules for General Lighting - Part 1 Safety - Specifications	Fault conditions	Cl. 12, 12.1, 12.2 of IS 16103: Part 1:2025 / IEC 62031:2018
30.	LED Modules for General Lighting - Part 1 Safety - Specifications	Conformity testing during manufacture	Cl. 13 & Annex B of IS 16103: Part 1:2025 / IEC 62031:2018
31.	LED Modules for General Lighting - Part 1 Safety - Specifications	Construction	Cl. 14 of IS 16103: Part 1:2025 / IEC 62031:2018
32.	LED Modules for General Lighting - Part 1 Safety - Specifications	Creepage distance and clearances	Cl. 15 of IS 16103: Part 1:2025 / IEC 62031:2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
33.	LED Modules for General Lighting - Part 1 Safety - Specifications	Screws, current carrying parts and connections	Cl. 16 of IS 16103: Part 1:2025 / IEC 62031:2018
34.	LED Modules for General Lighting - Part 1 Safety - Specifications	Resistance to heat, fire and tracking	Cl. 17 of IS 16103: Part 1:2025 / IEC 62031:2018
35.	LED Modules for General Lighting - Part 1 Safety - Specifications	Resistance to corrosion	Cl. 18 of IS 16103: Part 1:2025 / IEC 62031:2018
36.	LED Modules for General Lighting - Part 1 Safety - Specifications	Information for luminaire design	Cl. 19 & Annex C of IS 16103: Part 1:2025 / IEC 62031:2018
37.	LED Modules for General Lighting - Part 1 Safety - Specifications	Heat management	Cl. 20, 20.1, 20.2, 20.3 of IS 16103: Part 1:2025 / IEC 62031:2018
38.	LED Modules for General Lighting - Part 1 Safety - Specifications	Photo biological safety	Cl. 21, 21.1, 21.2, 21.3 of IS 16103: Part 1:2025 / IEC 62031:2018
39.	LED Modules for General Lighting - Part 1 Safety - Specifications	Test Condition	Annex A of IS 16103: Part 1:2025 / IEC 62031:2018
40.	LED Modules for General Lighting - Part 1 Safety - Specifications	Abnormal temperature test	Annex D of IS 16103: Part 1:2025 / IEC 62031:2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
41.	Luminaires Part 1 General Requirements and Tests	General Requirements	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 4
42.	Luminaires Part 1 General Requirements and Tests	Classification of luminaires	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 5
43.	Luminaires Part 1 General Requirements and Tests	Marking	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 6
44.	Luminaires Part 1 General Requirements and Tests	Construction	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 7
45.	Luminaires Part 1 General Requirements and Tests	External and Internal Wiring	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 8
46.	Luminaires Part 1 General Requirements and Tests	Provision for Earthing	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 9
47.	Luminaires Part 1 General Requirements and Tests	Protection Against Electric shock	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 10
48.	Luminaires Part 1 General Requirements and Tests	Resistance to dust, solid objects and moisture	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 11

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
49.	Luminaires Part 1 General Requirements and Tests	Insulation resistance and electric strength, touch current and protective conductor current	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 12
50.	Luminaires Part 1 General Requirements and Tests	Creepage distance and Clearances	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 13
51.	Luminaires Part 1 General Requirements and Tests	Endurance tests and thermal test	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 14
52.	Luminaires Part 1 General Requirements and Tests	Resistance to heat, fire and tracking	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 15
53.	Luminaires Part 1 General Requirements and Tests	Screw Terminals	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 16
54.	Luminaires Part 1 General Requirements and Tests	Screwless terminals and electrical connections	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Clause 17
55.	Luminaires Part 1 General Requirements and Tests	Test to establish whether a conductive part can cause an electric shock	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex A

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
56.	Luminaires Part 1 General Requirements and Tests	Test lamps	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex B
57.	Luminaires Part 1 General Requirements and Tests	Abnormal circuit conditions	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex C
58.	Luminaires Part 1 General Requirements and Tests	Thermal testing	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex D
59.	Luminaires Part 1 General Requirements and Tests	Determination of winding temperature rises by the increase-in-resistance method	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex E
60.	Luminaires Part 1 General Requirements and Tests	Test for resistance to stress corrosion of copper and copper alloys	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex F
61.	Luminaires Part 1 General Requirements and Tests	Measurement of touch current and protective conductor current	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex G
62.	Luminaires Part 1 General Requirements and Tests	Explanation of IP numbers for degrees of protection	IS 10322 (Part 1): 2026 IEC 60598-1:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		Annex H
63.	Luminaires Part 1 General Requirements and Tests	Temperature measurements	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex I
64.	Luminaires Part 1 General Requirements and Tests	Guidelines for good practice in luminaire design	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex J
65.	Luminaires Part 1 General Requirements and Tests	Determination of creepage distances and clearances	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex K
66.	Luminaires Part 1 General Requirements and Tests	Explanation of marking for luminaires that are not suitable for mounting on normal flammable surfaces and covering with insulation materials	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex L
67.	Luminaires Part 1 General Requirements and Tests	Absorption requirements for the protective shield to be fitted to luminaires designed for metal halide lamps which emit a high level of UV radiation	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex M

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
68.	Luminaires Part 1 General Requirements and Tests	Conformity testing during manufacture	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex N
69.	Luminaires Part 1 General Requirements and Tests	Schedule of amended sub clauses containing more serious or critical requirements which call for products to be retested	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex O
70.	Luminaires Part 1 General Requirements and Tests	Requirements for the identification of a family or range of luminaires for type testing	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex P
71.	Luminaires Part 1 General Requirements and Tests	Additional requirements for luminaires where a higher degree of availability (Overvoltage category III) may be requested	IS 10322 (Part 1): 2026 IEC 60598- 1:2024 Annex Q
72.	Luminaires Part 1 General Requirements and Tests	Additional test requirements for terminal blocks with integrated screwless protective earthing contact for direct connection to the luminaire housing or to parts of the body	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex R

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
73.	Luminaires Part 1 General Requirements and Tests	Alternative thermal test for thermoplastic luminaires	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex S
74.	Luminaires Part 1 General Requirements and Tests	Requirements for insulation between live parts of circuits and accessible conductive parts	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex T
75.	Luminaires Part 1 General Requirements and Tests	Information regarding power sourcing equipment powering class III luminaire via information technology or to parts of the body communication cabling	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex U
76.	Luminaires Part 1 General Requirements and Tests	Cross-references to the previous edition of IEC 60598-1	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex V
77.	Luminaires Part 1 General Requirements and Tests	Battery/EDLC-operated luminaires	IS 10322 (Part 1): 2026 IEC 60598-1:2024 Annex W

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
78.	Luminaires Part 1 General Requirements and Tests	National Foreword	IS 10322 (Part 1): 2026 IEC 60598-1:2024 NATIONAL ANNEX A
79.	Fixed General-Purpose Luminaires	General test requirements	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.4
80.	Fixed General-Purpose Luminaires	Classification of luminaires	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.5
81.	Fixed General-Purpose Luminaires	Marking	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.6
82.	Fixed General-Purpose Luminaires	Construction	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.7
83.	Fixed General-Purpose Luminaires	Creepage distances and clearances	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.8
84.	Fixed General-Purpose Luminaires	Provision for earthing	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.9
85.	Fixed General-Purpose Luminaires	Terminals	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.10

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
86.	Fixed General-Purpose Luminaires	External and internal Wiring	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.11
87.	Fixed General-Purpose Luminaires	Protection against electric shock	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.12
88.	Fixed General-Purpose Luminaires	Endurance tests and thermal tests	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.13
89.	Fixed General-Purpose Luminaires	Resistance to dust, solid objects and moisture	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.14
90.	Fixed General-Purpose Luminaires	Insulation resistance and electric strength, touch current and protective conductor current	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.15
91.	Fixed General-Purpose Luminaires	Resistance to heat, fire and tracking	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Clause 1.16
92.	Fixed General-Purpose Luminaires	Schedule of amended subclauses containing more serious/critical requirements which require product to be retested	IS 10322 (Part 5/Sec 1):2026, IEC 60598-2-1:2020 Annex A

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
93.	Recessed luminaires and recessed air-handling luminaires	General test requirements	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.4
94.	Recessed luminaires and recessed air-handling luminaires	Classification of luminaires	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.5
95.	Recessed luminaires and recessed air-handling luminaires	Marking	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.6
96.	Recessed luminaires and recessed air-handling luminaires	Construction	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.7
97.	Recessed luminaires and recessed air-handling luminaires	Creepage distances and Clearances	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.8
98.	Recessed luminaires and recessed air-handling luminaires	Provision for earthing	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.9
99.	Recessed luminaires and recessed air-handling luminaires	Terminals	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.10
100.	Recessed luminaires and recessed air-handling luminaires	External and Internal Wiring	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.11

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
101.	Recessed luminaires and recessed air-handling luminaires	Protection against electric shock	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.12
102.	Recessed luminaires and recessed air-handling luminaires	Endurance tests and thermal tests	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.13
103.	Recessed luminaires and recessed air-handling luminaires	Resistance to dust and moisture	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.14
104.	Recessed luminaires and recessed air-handling luminaires	Insulation resistance and electric strength	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.15
105.	Recessed luminaires and recessed air-handling luminaires	Resistance to heat, fire and tracking	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Clause 2.16
106.	Recessed luminaires and recessed air-handling luminaires	Measurement of ambient temperature in an installation	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Annex A
107.	Recessed luminaires and recessed air-handling luminaires	Recessed luminaire thermal test methods	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Annex B
108.	Recessed luminaires and recessed air-handling luminaires	Explanation of ta with respect to air-handling luminaires	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Annex C

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
109.	Recessed luminaires and recessed air-handling luminaires	Schedule of amended subclauses containing more serious or critical requirements which require product to be retested	IS 10322 (Part 5/Sec 2):2026, IEC 60598-2-2:2023 Annex D
110.	Luminaire For Road and Street Lighting	General test requirements	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.2
111.	Luminaire For Road and Street Lighting	Classification of luminaires	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.4
112.	Luminaire For Road and Street Lighting	Marking	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.5
113.	Luminaire For Road and Street Lighting	Construction	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.6
114.	Luminaire For Road and Street Lighting	Creepage distance and Clearances	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.7
115.	Luminaire For Road and Street Lighting	Provision for Earthing	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.8

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
116.	Luminaire For Road and Street Lighting	Terminals	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.9
117.	Luminaire For Road and Street Lighting	External and Internal Wiring	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.10
118.	Luminaire For Road and Street Lighting	Protection against electric shock	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.11
119.	Luminaire For Road and Street Lighting	Endurance tests and thermal tests	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.12
120.	Luminaire For Road and Street Lighting	Resistance to dust and moisture	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.13
121.	Luminaire For Road and Street Lighting	Insulation resistance and electric strength	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.14
122.	Luminaire For Road and Street Lighting	Resistance to heat, fire and tracking	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Clause 3.15
123.	Luminaire For Road and Street Lighting	Drag coefficient measurement	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Annex A

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
124.	Luminaire For Road and Street Lighting	Schedule of amended subclauses containing more serious/critical requirements which require product to be retested	IS 10322 (Part 5/Sec 3):2026, IEC 60598-2-3:2002+AMD1:201 CSV Annex B
125.	Portable general-purpose luminaires	General test requirements	IS 10322 (Part 5/Sec 4):2026 IEC 60598-2-4:2017Clause 4.4
126.	Portable general-purpose luminaires	Classification of luminaires	IS 10322 (Part 5/Sec 4):2026 IEC 60598-2-4:2017Clause 4.5
127.	Portable general-purpose luminaires	Marking	IS 10322 (Part 5/Sec 4):2026 IEC 60598-2-4:2017Clause 4.6
128.	Portable general-purpose luminaires	Construction	IS 10322 (Part 5/Sec 4):2026 IEC 60598-2-4:2017Clause 4.7
129.	Portable general-purpose luminaires	Creepage distance and Clearances	IS 10322 (Part 5/Sec 4):2026, IEC 60598-2-4:2017Clause 4.8
130.	Portable general-purpose luminaires	Provision for Earthing	IS 10322 (Part 5/Sec 4):2026, IEC 60598-2-4:2017Clause 4.9
131.	Portable general-purpose luminaires	Terminals	IS 10322 (Part 5/Sec 4):2026 IEC 60598-2-4:2017 Clause 4.10
132.	Portable general-purpose luminaires	External and Internal Wiring	IS 10322 (Part 5/Sec 4):2026, IEC 60598-2-4:2017 Clause 4.11

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
133.	Portable general-purpose luminaires	Protection Against Electrical shock	IS 10322 (Part 5/Sec 4):2026, IEC 60598-2-4:2017 Clause 4.12
134.	Portable general-purpose luminaires	Endurance tests and thermal tests	IS 10322 (Part 5/Sec 4):2026, IEC 60598-2-4:2017 Clause 4.13
135.	Portable general-purpose luminaires	Resistance to dust and moisture	IS 10322 (Part 5/Sec 4):2026, IEC 60598-2-4:2017 Clause 4.14
136.	Portable general-purpose luminaires	Insulation resistance and electric strength	IS 10322 (Part 5/Sec 4):2026, IEC 60598-2-4:2017 Clause 4.15
137.	Portable general-purpose luminaires	Resistance to heat, fire and tracking	IS 10322 (Part 5/Sec 4):2026, IEC 60598-2-4:2017 Clause 4.16
138.	Floodlights	Classification of luminaires	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.4
139.	Floodlights	Marking	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.5
140.	Floodlights	Construction	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.6

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
141.	Floodlights	Creepage distance and Clearances	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.7
142.	Floodlights	Provision for Earthing	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.8
143.	Floodlights	Terminals	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.9
144.	Floodlights	External and Internal Wiring	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.10
145.	Floodlights	Protection Against Electric shock	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.11
146.	Floodlights	Endurance tests and thermal tests	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.12
147.	Floodlights	Resistance to dust and moisture	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.13
148.	Floodlights	Insulation resistance and electric strength	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.14

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
149.	Floodlights	Resistance to heat, fire and tracking	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Clause 5.15
150.	Floodlights	Schedule of amended subclauses containing more serious/critical requirements which require product to be retested	IS 10322 (Part 5/Sec 5):2026, IEC 60598-2-5:2015 Annex A
151.	Handlamps	General test requirements	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.4
152.	Handlamps	Classification of luminaires	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.5
153.	Handlamps	Marking	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.6
154.	Handlamps	Construction	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.7
155.	Handlamps	Creepage distance and Clearances	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.8

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
156.	Handlamps	Provision for Earthing	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.9
157.	Handlamps	Terminals	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.10
158.	Handlamps	External and Internal Wiring	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.11
159.	Handlamps	Protection against electric shock	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.12
160.	Handlamps	Endurance tests and thermal tests	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.13
161.	Handlamps	Resistance to dust and moisture	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.14
162.	Handlamps	Insulation resistance and electric strength	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.15
163.	Handlamps	Resistance to heat, fire and tracking	IS 10322 (Part 5/ Sec 6):2026, IEC 60598-2-8:2013 Clause 8.16

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
164.	Lighting Chains	General test requirements	IS 10322 (Part 5/Sec 7):2026, IEC 60598-2-20:2022 Clause 20.4
165.	Lighting Chains	Classification of luminaires	IS 10322 (Part 5/Sec 7):2026, IEC 60598-2-20:2022Clause 20.5
166.	Lighting Chains	Marking	IS 10322 (Part / Sec 7):2026 IEC 60598-2-20:2022 Clause 20.6
167.	Lighting Chains	Construction	IS 10322 (Part 5/Sec 7):2026 IEC 60598-2-20:2022 Clause 20.7
168.	Lighting Chains	Creepage distances and clearances	IS 10322 (Part 5/Sec 7):2026, IEC 60598-2-20:2022Clause 20.8
169.	Lighting Chains	Provision for earthing	IS 10322 (Part 5/Sec 7):2026 IEC 60598-2-20:2022Clause 20.9
170.	Lighting Chains	Terminals	IS 10322 (Part 5/Sec 7):2026, IEC 60598-2-20:2022Clause 20.10
171.	Lighting Chains	External and Internal wiring	IS 10322 (Part 5/Sec 7):2026 IEC 60598-2-20:2022Clause 20.11
172.	Lighting Chains	Protection against electric shock	IS 10322 (Part 5/ Sec 7):2026 IEC 60598-2-20:2022Clause 20.12
173.	Lighting Chains	Endurance tests and thermal tests	IS 10322 (Part 5/Sec 7):2026 IEC 60598-2-20:2022Clause 20.13

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
174.	Lighting Chains	Resistance to dust, solid objects and moisture	IS 10322 (Part 5/Sec 7):2026, IEC 60598-2-20:2022Clause 20.14
175.	Lighting Chains	Insulation resistance and electric strength	IS 10322 (Part 5/Sec 7):2026, IEC 60598-2-20:2022Clause 20.15
176.	Lighting Chains	Resistance to heat, fire and tracking	IS 10322 (Part 5/Sec 7):2026, IEC 60598-2-20:2022Clause 20.16
177.	Lighting Chains	Requirements for interconnecting connectors for use in lighting chain	IS 10322 (Part 5/ Sec 7):2026 IEC 60598-2-20:2022Annex A
178.	Luminaires for Emergency lighting	General test requirements	IS 10322 (Part 5/Sec 8):2026, IEC 60598-2-22:2021Clause 22.4
179.	Luminaires for Emergency lighting	Classification of luminaires	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Clause 22.5
180.	Luminaires for Emergency lighting	Marking	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Clause 22.6
181.	Luminaires for Emergency lighting	Construction	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Clause 22.7
182.	Luminaires for Emergency lighting	Creepage distance and Clearances	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Clause 22.8
183.	Luminaires for Emergency lighting	Provision of Earthing	IS 10322 (Part 5/Sec 8):2026, IEC 60598-2-22:2021Clause 22.9
184.	Luminaires for Emergency lighting	Terminals	IS 10322 (Part 5/Sec 8):2026, IEC 60598-2-22:2021Clause 22.10

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
185.	Luminaires for Emergency lighting	External and internal wiring	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Clause 22.11
186.	Luminaires for Emergency lighting	Protection against electric shock	IS 10322 (Part 5/Sec 8):2026, IEC 60598-2-22:2021Clause 22.12
187.	Luminaires for Emergency lighting	Endurance tests and thermal test	IS 10322 (Part 5/Sec 8):2026, IEC 60598-2-22:2021Clause 22.13
188.	Luminaires for Emergency lighting	Resistance to dust and moisture	IS 10322 (Part 5/Sec 8):2026, IEC 60598-2-22:2021Clause 22.14
189.	Luminaires for Emergency lighting	Insulation resistance and electric strength	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Clause 22.15
190.	Luminaires for Emergency lighting	Resistance to heat, fire and tracking	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Clause 22.16
191.	Luminaires for Emergency lighting	Photometric data	IS 10322 (Part 5/Sec 8):202 IEC 60598-2-22:2021Clause 22.17
192.	Luminaires for Emergency lighting	Changeover operation	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Clause 22.18
193.	Luminaires for Emergency lighting	High temperature operation	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Clause 22.19
194.	Luminaires for Emergency lighting	Battery charges for self-contained emergency luminaires	IS 10322 (Part 5/Sec 8):2026, IEC 60598-2-22:2021Clause 22.20
195.	Luminaires for Emergency lighting	Test devices for emergency operation	IS 10322 (Part 5/Sec 8):2026, IEC 60598-2-22:2021Clause 22.21

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	Lamp Luminaires & Accessories		
196.	Luminaires for Emergency lighting	ESSs for self-contained emergency luminaires	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Annex A
197.	Luminaires for Emergency lighting	Luminaire Classification	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Annex B
198.	Luminaires for Emergency lighting	Luminance measurements	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Annex C
199.	Luminaires for Emergency lighting	Rest mode and remote inhibiting mode facilities	IS 10322 (Part 5/Sec 8):2026, IEC 60598-2-22:2021Annex D
200.	Luminaires for Emergency lighting	Requirements for self-contained portable emergency luminaires	IS 10322 (Part 5/Sec 8):2026 IEC 60598-2-22:2021Annex E
201.	Luminaires for Swimming Pools and similar Applications	General test requirements	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002Clause 18.4
202.	Luminaires for Swimming Pools and similar Applications	Classification of luminaires	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.5
203.	Luminaires for Swimming Pools and similar Applications	Marking	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.6
204.	Luminaires for Swimming Pools and similar Applications	Construction	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.7

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaires & Accessories		
205.	Luminaires for Swimming Pools and similar Applications	Creepage distance and Clearances	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.8
206.	Luminaires for Swimming Pools and similar Applications	Provision for Earthing	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.9
207.	Luminaires for Swimming Pools and similar Applications	Terminals	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.10
208.	Luminaires for Swimming Pools and similar Applications	External and Internal Wiring	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.11
209.	Luminaires for Swimming Pools and similar Applications	Protection against electric shock	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.12
210.	Luminaires for Swimming Pools and similar Applications	Endurance tests and thermal tests	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.13
211.	Luminaires for Swimming Pools and similar Applications	Resistance to dust and moisture	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.14
212.	Luminaires for Swimming Pools and similar Applications	Insulation resistance and electric strength	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.15

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	Lamp Luminaires & Accessories		
213.	Luminaires for Swimming Pools and similar Applications	Resistance to heat, fire and tracking	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Clause 18.16
214.	Luminaires for Swimming Pools and similar Applications	Schedule for amended subclauses containing more serious or critical requirements which require products to be retested	IS 10322 (Part 5/ Sec 18):2026, IEC 60598-2-18:2002 Annex A
215.	Double-Capped LED Linear Lamps	General test requirements	IS 16614 (Part1):2026 Clause 4
216.	Double-Capped LED Linear Lamps	Marking	IS 16614 (Part1):2026 Clause 5
217.	Double-Capped LED Linear Lamps	Interchangeability	IS 16614 (Part1):2026 Clause 6
218.	Double-Capped LED Linear Lamps	Pin-safety during insertion	IS 16614 (Part1):2026 Clause 7
219.	Double-Capped LED Linear Lamps	Protection against accidental contact with live parts	IS 16614 (Part1):2026 Clause 8
220.	Double-Capped LED Linear Lamps	Mechanical requirements for caps	IS 16614 (Part1):2026 Clause 9
221.	Double-Capped LED Linear Lamps	Cap temperature rise	IS 16614 (Part1):2026 Clause 10
222.	Double-Capped LED Linear Lamps	Resistance to heat	IS 16614 (Part1):2026 Clause 11

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
223.	Double-Capped LED Linear Lamps	Resistance to flame and ignition	IS 16614 (Part1):2026 Clause 12
224.	Double-Capped LED Linear Lamps	Fault conditions	IS 16614 (Part1):2026 Clause 13
225.	Double-Capped LED Linear Lamps	Creepage distances and clearances	IS 16614 (Part1):2026 Clause 14
226.	Double-Capped LED Linear Lamps	Lamp with protection against dust and moisture	IS 16614 (Part1):2026 Clause 15
227.	Double-Capped LED Linear Lamps	Photobiological hazard	IS 16614 (Part1):2026 Clause 16
228.	Double-Capped LED Linear Lamps	Verification	IS 16614 (Part1):2026 Clause 17
229.	Double-Capped LED Linear Lamps	Tests	IS 16614 (Part1):2026 Clause 18
230.	Flashlight- Specification (Third Revision)	Material and Construction	Cl. 4 of IS 2083:2024+A1 and ANNEX C
231.	Flashlight- Specification (Third Revision)	Finish	Cl. 5 of IS 2083:2024+A1
232.	Flashlight- Specification (Third Revision)	Dimensions	Cl. 6 of IS 2083:2024+A1
233.	Flashlight- Specification (Third Revision)	Marking	Cl. 7 of IS 2083:2024+A1
234.	Flashlight- Specification (Third Revision)	Samples for Type Tests	Cl. 8 & 8.1.1 of IS 2083:2024+A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
235.	Flashlight- Specification (Third Revision)	Test For Mechanical Assembly	Cl. 10 of IS 2083:2024+A1
236.	Flashlight- Specification (Third Revision)	Drop Test	Cl. 11 of IS 2083:2024+A1
237.	Flashlight- Specification (Third Revision)	Climatic Tests	Cl. 12 of IS 2083:2024+A1
238.	Flashlight- Specification (Third Revision)	Dry Heat Tests	Cl. 12.1 of IS 2083:2024+A1
239.	Flashlight- Specification (Third Revision)	Damp Heat (Accelerated) Test)	Cl. 12.2 of IS 2083:2024+A1
240.	Flashlight- Specification (Third Revision)	Dry Cold Test	Cl. 12.3 of IS 2083:2024+A1
241.	Flashlight- Specification (Third Revision)	Life Test for Switch	Cl. 13 of IS 2083:2024+A1
242.	Flashlight- Specification (Third Revision)	Insulation Resistance Test	Cl. 14 of IS 2083:2024+A1
243.	Flashlight- Specification (Third Revision)	Test for Contact Resistance of The Switch)	Cl. 15 of IS 2083:2024+A1
244.	Flashlight- Specification (Third Revision)	Light Distribution Test	Cl. 16 of IS 2083:2024+A1
245.	Flashlight- Specification (Third Revision)	Lumen Depreciation Test for Led Flashlight	Cl. 17 of IS 2083:2024+A1
246.	Flashlight- Specification (Third Revision)	Circuit Current of Led Flashlight	Cl. 18 of IS 2083:2024+A1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
247.	Flashlight- Specification (Third Revision)	Test for Charging Current in Built-In Rechargeable Battery Operated Flashlights	Cl. 19 of IS 2083:2024+A1
248.	Flashlight- Specification (Third Revision)	Photobiological Safety	Cl. 20 of IS 2083:2024+A1
249.	Flashlight- Specification (Third Revision)	Test for Ingress Protection	Cl. 21 of IS 2083:2024+A1
250.	Flashlight- Specification (Third Revision)	Over Charge Protection in Rechargeable Flashlights with Built-In Charger/Separate Charger/ Solar Charger	Cl. 22 of IS 2083:2024+A1
251.	Flashlight- Specification (Third Revision)	Endurance Test for Rechargeable Flashlights	Cl. 23 of IS 2083:2024+A1
252.	Flashlight- Specification (Third Revision)	Thermal Test	Cl. 24 of IS 2083:2024+A1
253.	Flashlight- Specification (Third Revision)	Sampling plan and criteria for conformity for flashlights	Annex B
254.	Flashlight- Specification (Third Revision)	Requirements for LED/LED Modules as light source of flashlight	Annex C
255.	Flashlight- Specification (Third Revision)	Accelerated Aging Test for Rubber or Other Elastomer Compound	Annex D

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
256.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	General requirement and general test requirements	IS 16102: Part 2: 2026 Clause 4
257.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Marking	IS 16102: Part 2: 2026 Clause 5
258.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Dimensions	IS 16102: Part 2: 2026 Clause 6
259.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Test conditions	IS 16102: Part 2: 2026 Clause 7
260.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Lamp input	IS 16102: Part 2: 2026 Clause 8
261.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Lamp power	IS 16102: Part 2: 2026 Clause 8.1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
262.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Power Factor	IS 16102: Part 2: 2026 Clause 8.2
263.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Harmonics	IS 16102: Part 2: 2026 Clause 8.3
264.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Emission of Radio Frequency Disturbances	IS 16102: Part 2: 2026 Clause 8.4
265.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Flicker and Stroboscopic Effects	IS 16102: Part 2: 2026 Clause 8.5
266.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Flicker	IS 16102: Part 2: 2026 Clause 8.5.1
267.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Stroboscopic Effects	IS 16102: Part 2: 2026 Clause 8.5.2

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
268.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Photometric characteristics	IS 16102: Part 2: 2026 Clause 9
269.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Luminous Flux	IS 16102: Part 2: 2026 Clause 9.1
270.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Luminous Intensity Distribution, Peak Intensity and Beam Angle	IS 16102: Part 2: 2026 Clause 9.2
271.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Luminous Efficacy	IS 16102: Part 2: 2026 Clause 9.3
272.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Colorimetric characteristics	IS 16102: Part 2: 2026 Clause 10
273.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Rated Colour and Colour Variation Categories	IS 16102: Part 2: 2026 Clause 10.1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
274.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Colour Rendering Index (CRI)	IS 16102: Part 2: 2026 Clause 10.2
275.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Lamp life	IS 16102: Part 2: 2026 Clause 11
276.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	General	IS 16102: Part 2: 2026 Clause 11.1
277.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Lumen Maintenance	IS 16102: Part 2: 2026 Clause 11.2
278.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Endurance Tests	IS 16102: Part 2: 2026 Clause 11.3
279.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Temperature Cycling Test	IS 16102: Part 2: 2026 Clause 11.3.2

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
280.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Supply Switching Test	IS 16102: Part 2: 2026 Clause 11.3.3
281.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Schedule of tests	IS 16102: Part 2: 2026 Clause 14
282.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Method of measuring lamp characteristics	IS 16102: Part 2: 2026 ANNEX B
283.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Explanation of photometric code	IS 16102: Part 2: 2026 ANNEX C
284.	Self-Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements	Examples of led dies and led packages	IS 16102: Part 2: 2026 ANNEX D
285.	Self-Ballasted LED Lamps for General Lighting	Use of is 16105 for lumen maintenance and maintained chromaticity coordinates data	IS 16102: Part 2: 2026 ANNEX E

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
	Services Part 2 Performance Requirements		
286.	LED Lamps / Luminaires	Flicker Frequency	IEEE 1789:2015
287.	LED Lamps / Luminaires	Fluctuation Depth (%)	IEEE 1789:2015
288.	LED Lamps / Luminaires	Percent Flicker (Blink Percent)	IEEE 1789:2015
289.	LED Lamps / Luminaires	Flicker Index	IEEE 1789:2015
290.	LED Lamps / Luminaires	Flicker Blink Exponent	IEEE 1789:2015
291.	LED Lamps / Luminaires	Short-Term Flicker Severity (Pst LM)	IEC 61000-4-15:2010/ISH1:2017 IEC TR 61547:2020
292.	LED Lamps / Luminaires	Stroboscopic Visibility Measure (SVM)	CIE TN 006:2016, IEC TR 63158:2018
293.	LED Lamps / Luminaires	DP (%)	IEEE 1789:2015
294.	LED Lamps / Luminaires	Risk Level	IEEE 1789:2015

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamp Luminaries & Accessories		
295.	LED Lamps / Luminaires	Blue Light Hazard Weighted Radiance (Ebh)	IEC 62471:2006
296.	LED Lamps / Luminaires	Blue Light Hazard (Ee)	IEC 62471:2006
297.	LED Lamps / Luminaires	TLCI	EBU Tech 3355:2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	EMI/EMC Test Facility		
1.	Electrical lighting and similar equipment	Conducted emission test Radiated emission test	CISPR 15:2018+A1/ IS 6873-5:2019(Reaffirmed :2022) CISPR 15:2018+A1



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
1.	Household Microwave Oven	Determination of Microwave Power Output	Cl. 8 of IEC 60705: 2010 & IEC 60705: 2024 Cl. 5 BEE Schedule 22 Cl. 13 of IS 11676: 1995(RAF 2016)
2.	Household Microwave Oven	Microwave Function Efficiency	Cl. 9 of IEC 60705: 2010 & IEC 60705: 2024 Cl. 5 BEE Schedule 22 Cl. 14 of IS 11676: 1995(RAF 2016)
3.	Household Microwave Oven	Energy Consumption Test	Cl. 14 of IEC 60705: 2010 Cl. 10 of IEC 60705: 2024 Cl 5 BEE Schedule 22
4.	Household Microwave Oven	Power Consumption in Standby Mode (Power Consumption for Low Power Mode)	Cl. 15 of IEC 60705: 2010 Cl. 11 of IEC 60705: 2024 Cl 5 BEE Schedule 22 Cl. 14 of IEC 60350-1:2023 Cl. 5, 6 of IEC 62301:2011

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	EMC Test Facility		
1.	Electrical and electronics equipment	Surge Immunity Test	IEC 61000-4-5: 2014+A1:2017 EN 61000-4-5: 2014+A1:2017
2.	Electrical and electronics equipment	Immunity to fast transient/burst test	IEC 61000-4-4: 2012 EN 61000-4-4: 2012
3.	Electrical, electronics & Multimedia equipment	Conducted Emission Test Radiated Emission Test	IS/CISPR 32:2015(Reaffirmed :2022) CISPR 32:2015

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
1.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.1 of IS/IEC 62368-1): 2023 (General Requirements)
2.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.2 of IS/IEC 62368-1): 2023 (Energy source classifications)
3.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.3 of IS/IEC 62368-1): 2023 (Protection against energy sources)
4.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.4 of IS/IEC 62368-1): 2023 (Safeguards)
5.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.5 of IS/IEC 62368-1): 2023 ("Explosion- Requirements ")
6.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.6 of IS/IEC 62368-1): 2023 (Fixing of conductors- Requirements)

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
7.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.7 of IS/IEC 62368-1): 2023 (Equipment for direct insertion into mains socket-outlets)
8.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.8 and of IS/IEC 62368-1): 2023 (Equipment containing coin / button cell batteries)
9.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.9 of IS/IEC 62368-1): 2023 (Likelihood of fire or shock due to entry of conductive objects)
10.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 4.10 of IS/IEC 62368-1): 2023 (Components requirements)
11.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 5.2 of IS/IEC 62368-1): 2023 (Classification and limits of electrical energy sources)

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
12.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 5.3 of IS/IEC 62368-1): 2023 (Protection against electrical energy sources)
13.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 5.4 of IS/IEC 62368-1): 2023 (Insulation materials and requirements)
14.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 5.5 of IS/IEC 62368-1): 2023 (Components as safeguards)
15.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 5.6 of IS/IEC 62368-1): 2023 (Protective conductor)
16.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 5.7 of IS/IEC 62368-1): 2023 (Prospective touch voltage, touch current and protective conductor current.)

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
17.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 5.8 of IS/IEC 62368-1): 2023 (Back feed safeguard in battery backed up supplies)
18.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 6.1 of IS/IEC 62368-1): 2023 (Electrically-caused fire)
19.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 6.2 of IS/IEC 62368-1): 2023 (Classification of power sources (PS) and potential ignition sources (PIS).)
20.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 6.3 of IS/IEC 62368-1): 2023 (Safeguards against fire under normal operating conditions and abnormal operating conditions)
21.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 6.4 of IS/IEC 62368-1): 2023 (Safeguards against fire under single fault conditions)

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
22.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 6.5 of IS/IEC 62368-1): 2023 (Internal and external wiring)
23.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 6.6 of IS/IEC 62368-1): 2023 (Safeguards against fire due to the connection of additional equipment)
24.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 7, 7.1 to 7.6 of IS/IEC 62368-1): 2023 (Injury caused by hazardous substances)
25.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 8, 8.1 to 8.12 of IS/IEC 62368-1): 2023 (Mechanically-caused injury)
26.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (CI 9, 9.1 to 9.6 of IS/IEC 62368-1): 2023 (Thermal burn injury)
27.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
			(CI 10, 10.1 to 10.6 of IS/IEC 62368-1): 2023 (Radiation)
28.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex B, B.1 to B.4 of IS/IEC 62368-1): 2023 (Normal operating condition tests, abnormal operating condition tests and single fault condition tests)
29.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex C, C.1 to C.2 of IS/IEC 62368-1): 2023 (UV radiation)
30.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex. D, D.1, D.2, D.3 of IS/IEC 62368-1): 2023 (Test generators)
31.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex E, E.1, E.2, E.3 of IS/IEC 62368-1): 2023 (Test conditions for equipment containing audio amplifiers)

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
32.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex. F, F.1 to F.5 of IS/IEC 62368-1): 2023 (Equipment markings, instructions, and instructional safeguards)
33.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex. G, G.1 to G.16 of IS/IEC 62368-1):2023 (Components)
34.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex. H, H1 to H3 of IS/IEC 62368-1):2023 (Criteria for telephone ringing signals .)
35.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex I of IS/IEC 62368-1):2023 (Overvoltage categories)
36.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex. J, J.1 to J.3 of IS/IEC 62368-1):2023

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
			(Insulated winding wires for use without interleaved insulation)
37.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex. K, K.1 to K.7 of IS/IEC 62368-1):2023 (Safety Interlocks)
38.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex. L .L1 to L.9 of IS/IEC 62368-1):2023 (Disconnect devices)
39.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex. M, M.1 to M.10 of IS/IEC 62368-1):2023 (Equipment containing batteries and their protection circuits)
40.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex N of IS/IEC 62368-1):2023 (Electrochemical potentials)
41.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex O of IS/IEC 62368-1):2023

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		(Measurement of creepage distances and clearances)
42.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex, P.1 to P.4 of IS/IEC 62368-1):2023 (Safeguards against conductive objects)
43.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex, Q.1 to Q.2 of IS/IEC 62368-1):2023 (Circuits intended for interconnection with building wiring)
44.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex, R.1 to R.4 of IS/IEC 62368-1):2023 (Limited short-circuit test)
45.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex S.1 to S.5 of IS/IEC 62368-1):2023 (Tests for resistance to heat and fire)

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
46.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex T, T.1 to T.11 of IS/IEC 62368-1):2023 (Mechanical strength tests)
47.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex U, U.1 to U.3 of IS/IEC 62368-1):2023 (Mechanical strength of CRTs and protection against the effects of implosion)
48.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex V, V.1 to V.2 of IS/IEC 62368-1):2023 (Determination of accessible parts)
49.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024 (Annex X of IS/IEC 62368-1):2023 (Alternative method for determining clearances for insulation in circuits connected to an AC main not exceeding 420V peak (300V rms))
50.	Note Sorting Machines	Safety Requirement	CI 4.2 Safety requirements IS 18663:2024

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
			(Annex Y, Y.1 to Y.6 of IS/IEC 62368-1):2023 (Construction requirements for outdoor enclosure)
51.	Note Sorting Machines	Safety Requirement	Cl-4.2, 6.1 Table-1 (i) (Objects not recognized as banknotes) IS 18663: 2024
52.	Note Sorting Machines	Marking	Cl. 5 of IS 18663: 2024
53.	Note Sorting Machines	Safety Test	Cl. 6.1 of IS 18663: 2024
54.	Note Sorting Machines	Marking and instructions	Cl-6.1, Table-4(i) of IS 18663: 2024
55.	Note Sorting Machines	Protection against access to live parts	Cl-6.1, Table-4(ii) of IS 18663: 2024
56.	Note Sorting Machines	Power input and current	Cl-6.1, Table-4(iii) of IS 18663: 2024
57.	Note Sorting Machines	Heating	Cl-6.1, Table-4(iv) of IS 18663: 2024
58.	Note Sorting Machines	Creepage clearance and solid insulation	Cl-6.1, Table-4(v) of IS 18663: 2024
59.	Note Sorting Machines	Humidity conditioning	Cl-6.1, Table-4(vi) of IS 18663: 2024
60.	Note Sorting Machines	Leakage current and electric strength at operating temperature	Cl-6.1, Table-4(vii) of IS 18663: 2024
61.	Note Sorting Machines	Provision for earthing	Cl-6.1, Table-4(viii) of IS 18663: 2024

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
1.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Protection against Hazards	Cl. 4 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
2.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Fault and Abnormal Conditions	Cl. 4.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
3.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Short-Circuit and Overload Protection	Cl. 4.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
4.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	AC Input Current	Cl. 4.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
5.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Transformer Protection	Cl. 4.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
6.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	AC Input Short-Circuit Current	Cl. 4.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
7.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Protection of the Energy Storage Device	Cl. 4.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
8.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Unsynchronised Load Transfer	Cl. 4.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
9.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Protection against Electric Shock	Cl. 4.4 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
10.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Selection Tables for Contact Area and Skin Humidity Condition	Cl. 4.4.2.2.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
11.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Protection by means of Enclosures or Barriers- Openings	Cl. 4.4.3.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
12.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Influencing Factors	Cl. 4.4.7.1.1 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
13.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Pollution Degree	Cl. 4.4.7.1.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
14.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Overvoltage Category (OVC)	Cl. 4.4.7.1.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
15.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	PWB Spacings for Functional Insulation	Cl. 4.4.7.7 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
16.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Capacitor Discharge	Cl. 4.4.7.9 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
17.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Service Access Areas	Cl. 4.5.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
18.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Protection against Fire and Thermal Hazards	Cl. 4.6 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
19.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Components within a Circuit representing a Fire Hazard	Cl. 4.6.2.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
20.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	General	Cl. 4.6.3.1 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
21.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Flammability of Enclosure Materials	Cl. 4.6.3.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
22.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Openings in the Top and Side of Fire Enclosures	Cl. 4.6.3.3.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
23.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Temperature Limits-Internal Parts	Cl. 4.6.4.1 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
24.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Limited Power Sources	Cl. 4.6.5 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
25.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Protection against Mechanical Hazards	Cl. 4.7 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
26.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Protection in Service Access Area	Cl. 4.7.101 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
27.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Equipment with Multiple Sources of Supply- General	Cl. 4.8.101 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
28.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Protection against Environmental Stresses	Cl. 4.9 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
29.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Protection against Sonic Pressure Hazards	Cl. 4.10 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
30.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Wiring and Connections	Cl. 4.11 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
31.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Non-detachable Cords- Cord Guard	Cl. 4.11.101.1 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
32.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Cord Anchorages and Strain Relief	Cl. 4.11.101.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
33.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Test Requirements	Cl. 5 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
34.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Mechanical Tests	Cl. 5.2.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
35.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Electrical Tests	Cl. 5.2.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
36.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Abnormal Operation Tests	Cl. 5.2.4 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
37.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Material Tests	Cl. 5.2.5 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
38.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Environmental Tests	Cl. 5.2.6 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
39.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Hydrostatic Pressure Test	Cl. 5.2.7 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
40.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Information and Marking Requirements	Cl. 6 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
41.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Emergency Switching (Disconnect) Device	Cl. 4.101.1 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
42.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Durability	Cl. 6.1.101 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
43.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Normal Disconnect Device	Cl. 4.101.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
44.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Stored Energy Source- General	Cl. 4.102.1 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
45.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Accessibility and Maintainability	Cl. 4.102.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
46.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Distance between Battery Cells	Cl. 4.102.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
47.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Electrolyte Spillage	Cl. 4.102.5 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
48.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Ventilation and Hydrogen Concentration	Cl. 4.102.6 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
49.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Overcurrent and Earth Fault Protection	Cl. 4.102.8.1 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
50.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Location of Protective Devices	Cl. 4.102.8.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
51.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Rating of Protective Devices	Cl. 4.102.8.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
52.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	UPS Connection to Telecommunication Lines	Cl. 4.103 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
53.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Operating Parameters for Tests	Cl.5.1.5.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
54.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Test Overview	Cl.5.1.7 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
55.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Non-Accessibility Test	Cl.5.2.2.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
56.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Drop Test	Cl.5.2.2.4.4 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
57.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Back-feed Protection	Cl. 4.8.102 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
58.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Charging voltages	Cl. 4 102.7 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+2021 AMD2: 2022 CSV
59.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Wall or Ceiling Mounted Equipment Test	Cl. 5.2.2.6.101 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
60.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Rack Mounted Equipment Test	Cl. 5.2.2.6.102 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
61.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Cord Guard Test	Cl. 5.2.2.101 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
62.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Limited Power Source Test	Cl. 5.2.3.9 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
63.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Temperature-rise Test	Cl. 5.2.3.10 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
64.	Uninterruptible Power Systems (UPS)		Cl. 5.2.3.101.1 of IS 16242 (Part 1): 2025

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
	Part 1: Safety Requirements (First Revision)	Back feed Protection Test-General	& IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
65.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Test for Pluggable UPS	Cl. 5.2.3.101.2 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
66.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Test for Permanently Connected UPS	Cl. 5.2.3.101.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
67.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Method to Simulate the Load-Induced change of reference Potential for Pluggable UPS	Cl. 5.2.3.101.4 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
68.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Solid-state back feed protection	Cl. 5.2.3.101.4 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
69.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Input Current Test	Cl. 5.2.3.102 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
70.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Short-time withstand Current Test	Cl. 5.2.3.103 of IS 16242 (Part 1): 2025 IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
71.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Input port Short-time withstand Current Rating	Cl. 5.2.3.103.3 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
72.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Transformer Protection Test	Cl. 5.2.3.104 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
73.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Unsynchronised Load Transfer Test	Cl. 5.2.3.105 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
74.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Abnormal Operation and Simulated Faults Tests- General	Cl. 5.2.4.1 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
75.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Vibration Test	Cl. 5.2.6.4 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
76.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Salt Mist Test	Cl. 5.2.6.5 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Power supplies & Stabilizers		
77.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Dust and Sand Test	Cl. 5.2.6.6 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV
78.	Uninterruptible Power Systems (UPS) Part 1: Safety Requirements (First Revision)	Information and Marking Requirements	Cl. 6 of IS 16242 (Part 1): 2025 & IEC 62040-1: 2017 +AMD1: 2021+AMD2: 2022 CSV



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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
1.	Information Technology Equipment- Visual Display Units(VDU), Video Monitors, Printers & Plotters,	Components	Cl. 1.5, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
2.	Laptop/Tablets/Notebook, Scanners & Iris Scanners, Wireless Keyboards,	Power interface	Cl. 1.6, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
3.	Telephone Answering Machines, Set Top Box,	Markings and instructions	Cl. 1.7, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
4.	Automatic Data Processing Machine(ADP), Power Adaptors for IT equipment, Mobile Phones, Cash Registers, Point of Sale terminals, Copying machines/duplicators, Smart card readers, Mail processing machines/postage	Protection from electric shock and energy hazards	Cl. 2.1, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
5.	machines/Frinking machines, Passport Reader, Power Bank for use in portable applications, CCTV Camera/CCTV Recorder, USB Driven Barcode readers, Barcode scanners, Optical	SELV circuits	Cl. 2.2, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
	finger print scanner, Smart Watch, Switching mode Power Supply with output Voltage 48V Max., keyboard, Automatic Teller Cash dispensing Machine, USB Type External Solid state Storage Device (Above 256GB Capacity, Digital Camera, Video Camera		
6.	Information Technology Equipment- Visual Display Units(VDU), Video Monitors, Printers & Plotters,	TNV circuits	Cl. 2.3, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
7.	Laptop/Tablets/Notebook, Scanners & Iris Scanners, Wireless Keyboards,	Limited current circuits	Cl. 2.4, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
8.	Telephone Answering Machines, Set Top Box, Automatic Data Processing Machine(ADP), Power Adaptors for IT equipment,	Limited power sources	Cl. 2.5, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
9.	Mobile Phones, Cash Registers, Point of Sale terminals, Copying	Provisions for earthing and bonding	Cl. 2.6, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
10.		Over current and earth fault protection in primary circuits	Cl. 2.7, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
11.	machines/duplicators, Smart card readers, Mail processing machines/postage machines/Frinking machines, Passport Reader, Power Bank for use in portable applications, CCTV Camera/CCTV Recorder, USB Driven Barcode readers, Barcode scanners, Optical finger print scanner, Smart Watch, Switching mode Power Supply with output Voltage 48V Max., keyboard, Automatic Teller Cash dispensing Machine, USB Type External Solid state Storage Device (Above 256GB Capacity, Digital Camera, Video Camera	Safety interlocks	Cl. 2.8, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
12.	Information Technology Equipment- Visual Display Units(VDU), Video Monitors,	Electrical insulation	Cl. 2.9, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
13.	Printers & Plotters, Laptop/Tablets/Notebook, Scanners & Iris Scanners,	Clearances, creepage distances and distances through insulation	Cl. 2.10, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
14.	Wireless Keyboards, Telephone Answering Machines, Set Top Box,	Wiring, Connection & Supply	Cl. 3, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
15.	Automatic Data Processing Machine(ADP), Power Adaptors for IT equipment,	General	Cl. 3.1, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
16.	Mobile Phones, Cash Registers, Point of Sale terminals, Copying machines/duplicators, Smart card readers, Mail processing machines/postage machines/Frinking machines, Passport Reader, Power Bank for use in portable applications, CCTV	Connection to a mains supply	Cl. 3.2, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
17.	Camera/CCTV Recorder, USB Driven Barcode readers, Barcode scanners, Optical finger print scanner, Smart Watch, Switching mode Power Supply with output Voltage	Wiring terminals for connection of external conductors	Cl. 3.3, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
18.		Disconnection from the mains supply	Cl. 3.4, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
	48V Max., keyboard, Automatic Teller Cash dispensing Machine, USB Type External Solid state Storage Device (Above 256GB Capacity, Digital Camera, Video Camera		
19.	Information Technology Equipment- Visual Display Units(VDU), Video Monitors, Printers & Plotters,	Interconnection of equipment	Cl. 3.5, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
20.	Laptop/Tablets/Notebook, Scanners & Iris Scanners, Wireless Keyboards,	Stability	Cl. 4.1, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
21.	Telephone Answering Machines, Set Top Box, Automatic Data Processing Machine(ADP), Power Adaptors for IT equipment, Mobile Phones, Cash Registers, Point of Sale terminals, Copying machines/duplicators, Smart card readers, Mail processing machines/postage	Mechanical strength	Cl. 4.2, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013 Exclusion cl. 4.2.8, 4.2.9, 4.3.13

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Electronic Testing			
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	IT Equipment		
	machines/Frinking machines, Passport Reader, Power Bank for use in portable applications, CCTV Camera/CCTV Recorder, USB Driven Barcode readers, Barcode scanners, Optical finger print scanner, Smart Watch, Switching mode Power Supply with output Voltage 48V Max., keyboard, Automatic Teller Cash dispensing Machine, USB Type External Solid state Storage Device (Above 256GB Capacity, Digital Camera, Video Camera		
22.	Information Technology Equipment- Visual Display Units(VDU), Video Monitors, Printers & Plotters,	Design and construction	Cl. 4.3, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
23.	Laptop/Tablets/Notebook, Scanners & Iris Scanners,	Protection against hazardous moving parts	Cl. 4.4, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
24.	Wireless Keyboards, Telephone Answering Machines, Set Top Box,	Thermal requirements	Cl. 4.5, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
25.	Automatic Data Processing Machine(ADP), Power Adaptors for IT equipment, Mobile Phones, Cash Registers, Point of Sale terminals, Copying machines/duplicators, Smart card readers, Mail processing machines/postage machines/Frinking machines, Passport Reader, Power Bank for use in portable applications, CCTV Camera/CCTV Recorder, USB Driven Barcode readers, Barcode scanners, Optical finger print scanner, Smart Watch, Switching mode Power Supply with output Voltage 48V Max., keyboard, Automatic Teller Cash dispensing Machine, USB Type	Openings in enclosures	Cl. 4.6, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
26.		Resistance to fire	Cl. 4.7, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
27.		Touch current and protective conductor current	Cl. 5.1, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
28.		Electric strength	Cl. 5.2, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
29.		Abnormal operating and fault conditions	Cl. 5.3, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
30.		Connection to Telecommunication Network	Cl. 6, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
31.		Protection of telecommunication network service persons, and users of other equipment connected to	Cl. 6.1, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
	External Solid state Storage Device (Above 256GB Capacity, Digital Camera, Video Camera)	the network, from hazards in the equipment	
32.		Protection of equipment users from over voltages on networks telecommunication	Cl. 6.2, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
33.		Protection of the telecommunication wiring system from overheating	Cl. 6.3, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
34.		Connection to Cable Distribution Systems	Cl. 7, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
35.		General Requirements	Cl. 7.1, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
36.		Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment	Cl. 7.2, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
37.	Information Technology Equipment- Visual Display Units(VDU), Video Monitors,	Protection of equipment users from over voltages on the cable distribution system)	Cl. 7.3, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
38.	Printers & Plotters, Laptop/Tablets/Notebook, Scanners & Iris Scanners,	Insulation between primary circuits and cable distribution systems	Cl. 7.4, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
39.	Wireless Keyboards, Telephone Answering Machines, Set Top Box, Automatic Data Processing Machine(ADP), Power	Tests for resistance to heat and fire	Annex A, (A1, A2 & A3), IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
40.	Adaptors for IT equipment, Mobile Phones, Cash Registers, Point of Sale	Motor tests under abnormal conditions	Annex B, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
41.	terminals, Copying machines/duplicators, Smart card readers, Mail processing	Transformers	Annex C, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
42.	machines/postage machines/Frinking machines, Passport Reader, Power Bank	Measuring instrument for touch current tests	Annex D, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
43.	for use in portable applications, CCTV Camera/CCTV Recorder, USB	Temperature rise of a winding	Annex E, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
44.	Driven Barcode readers, Barcode scanners, Optical finger print scanner, Smart	measurement of clearance and creepage distances	Annex F, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
45.	Watch, Switching mode Power Supply with output Voltage 48V Max., keyboard,	Alternative method for determining clearances for insulation in circuits	Annex G, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
46.	Automatic Teller Cash dispensing Machine, USB Type External Solid state Storage Device (Above 256GB	Thermal Control	Annex K, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
47.	Capacity, Digital Camera, Video Camera	Criteria for telephone ringing signals	Annex M, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
48.		Impulse test generators	Annex N, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
49.		Voltage Dependent Resistors	Annex Q, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
50.		Insulating winding wires for use without interleaved insulation	Annex U, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
51.		maximum heating effect in transformer tests	Annex X, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
52.		Mandrel test	Annex AA, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
53.		Evaluation of integrated circuit (IC) current limiters	Annex CC, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
54.		Requirements for the mounting means of a rack mounted equipment	Annex DD, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
55.		Household and home/ office document/ media shredders	Annex EE, IS 13252 (Part 1): 2010, +A1:2013 +A2:2015, RAF: 2019, IEC 60950-1:2005+A1:2009+A2:2013
56.	Mobile Phone Handsets	Inputting of Text	Cl. 5.1, IS 16333 (Part 3): 2022+A1
57.		Messaging Readability	Cl. 5.2 IS 16333 (Part 3): 2022+A1
58.		Marking	Cl. 6 IS 16333(Part 3): 2022+A1
59.		Inputting of Text	IS 16350: 2016+A1(RAF 2020)

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
1.	Audio, Video and Similar electronic Apparatus- Safety Requirements, Electronics Games (Video),	Marking and instructions	Cl. 5, IS 616: 2017 RAF: 2023, IEC 60065: 2014
2.	Plasma/LCD/LED Television of Screen Size 32" and above ,	Light emitting diodes (LEDs)	Cl. 6.3, IS 616: 2017 RAF: 2023, IEC 60065: 2014
3.	Plasma/LCD/LED Television of Screen Size up-to 32", Optical disk players with built in amplifiers of input Power 200W and above, Amplifier With input Power 2000W and above, Power Adaptors for audio, Video & similar electronic apparatus,	Heating under normal operating conditions	Cl. 7, IS 616: 2017 RAF: 2023, IEC 60065: 2014
4.		Constructional requirements with regard to the protection against electric shock	Cl. 8, IS 616: 2017 RAF: 2023, IEC 60065: 2014
5.		Electric shock hazard under normal operating conditions	Cl. 9, IS 616: 2017 RAF: 2023, IEC 60065: 2014
6.		Insulation requirements	Cl. 10, IS 616: 2017 RAF: 2023, IEC 60065: 2014

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
	Electronic musical System With input Power 200 W and above, Bluetooth Speakers, Smart Speakers (with and without Display), Webcam (Finished product), Video Camera, Wireless Headphone & Earphone, Electronic Musical System with input power below 200 Watts, Television other than Plasma/LCD/LED TVs, Wireless Microphone		
7.	Audio, Video and Similar electronic Apparatus- Safety Requirements, Electronics Games (Video),	Fault conditions	Cl. 11, IS 616: 2017 RAF: 2023, IEC 60065: 2014
8.	Plasma/LCD/LED Television of Screen Size 32" and above ,	Mechanical strength	Cl. 12, IS 616: 2017 RAF: 2023, IEC 60065: 2014
9.	Plasma/LCD/LED Television of Screen Size up-to 32",	Clearances And Creepage Distances	Cl. 13, IS 616: 2017 RAF: 2023, IEC 60065: 2014
10.	Optical disk players with built in amplifiers of input Power 200W and above, Amplifier	Components	Cl. 14, IS 616: 2017 RAF: 2023, IEC 60065: 2014
11.	With input Power 2000W and	Terminals	Cl. 15, IS 616: 2017 RAF: 2023, IEC 60065: 2014
12.		External flexible cords	Cl. 16, IS 616: 2017 RAF: 2023, IEC 60065: 2014

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
13.	above, Power Adaptors for audio, Video & similar electronic apparatus,	Electrical connections and mechanical fixings	Cl. 17, IS 616: 2017 RAF: 2023, IEC 60065: 2014
14.	Electronic musical System With input Power 200 W and above, Bluetooth Speakers, Smart Speakers (with and without Display), Webcam (Finished product), Video	Mechanical strength of picture tubes and protection against the effects of implosion	Cl. 18, IS 616: 2017 RAF: 2023, IEC 60065: 2014
15.	Camera, Wireless Headphone & Earphone, Electronic Musical System with input power below 200 Watts, Television other than Plasma/LCD/LED TVs, Wireless Microphone	Stability and mechanical hazards	Cl. 19, IS 616: 2017 RAF: 2023, IEC 60065: 2014
16.	Camera, Wireless Headphone & Earphone, Electronic Musical System with input power below 200 Watts, Television other than Plasma/LCD/LED TVs, Wireless Microphone	Resistance to fire	Cl. 20, IS 616: 2017 RAF: 2023, IEC 60065: 2014
17.	Audio, Video and Similar electronic Apparatus- Safety Requirements, Electronics Games (Video), Plasma/LCD/LED Television of Screen Size 32" and above ,	Additional requirements for apparatus with protection against splashing water	Annex-A, IS 616: 2017 RAF: 2023, IEC 60065: 2014
18.	Plasma/LCD/LED Television of Screen Size up-to 32", Optical disk players with built in	Apparatus to be connected to the TELECOMMUNICATION NETWORKS	Annex-B, IS 616: 2017 RAF: 2023, IEC 60065: 2014

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
19.	amplifiers of input Power 200W and above, Amplifier With input Power 2000W and above, Power Adaptors for audio, Video & similar electronic apparatus, Electronic musical System With input Power 200 W and above, Bluetooth Speakers, Smart Speakers (with and without Display), Webcam (Finished product), Video Camera, Wireless Headphone & Earphone, Electronic Musical System with input power below 200 Watts, Television other than Plasma/ LCD/LED TVs, Wireless Microphone	Measurement of clearances and creepage distances	Annex E, IS 616: 2017 RAF: 2023, IEC 60065: 2014
20.		Alternative method for determining minimum clearances	Annex J, IS 616: 2017 RAF: 2023, IEC 60065: 2014
21.		Measuring network for touch currents	Annex D IS 616: 2017 RAF: 2023, IEC 60065: 2014
22.		Additional requirements for electronic flash apparatus for photographic purposes	Annex L, IS 616: 2017 RAF: 2023, IEC 60065: 2014
23.	Audio/Video, Information and communication Technology Equipment	General	Cl. 4.1 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
24.	Audio/Video, Information and communication Technology Equipment	Energy Source Classifications	Cl. 4.2 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
25.	Audio/Video, Information and communication Technology Equipment	Protection against energy sources	Cl. 4.3 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
26.	Audio/Video, Information and communication Technology Equipment	Safeguards	Cl. 4.4 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
27.	Audio/Video, Information and communication Technology Equipment	Explosion	Cl. 4.5 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
28.	Audio/Video, Information and communication Technology Equipment	Fixing of Conductors and conductive part	Cl. 4.6 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
29.	Audio/Video, Information and communication Technology Equipment	Equipment for direct insertion in to mains socket-outlets	Cl. 4.7 of IS/IEC 62368 : PART 1 : 2023, IEC 62368 : PART 1 : 2023
30.	Audio/Video, Information and communication Technology Equipment	Equipment containing coin or button cell batteries	Cl. 4.8 of IS/IEC 62368 : PART 1 : 2023, IEC 62368 : PART 1 : 2023
31.	Audio/Video, Information and communication Technology Equipment	Likelihood of fire or shock due to entry of conductive objects	Cl. 4.9 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
32.	Audio/Video, Information and communication Technology Equipment	Components requirements	Cl. 4.10 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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Electronic Testing			
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	Audio Equipment		
33.	Audio/Video, Information and communication Technology Equipment	Electrically-caused injury	Cl. 5.1 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
34.	Audio/Video, Information and communication Technology Equipment	Classification and limits of electrical energy sources	Cl. 5.2 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
35.	Audio/Video, Information and communication Technology Equipment	Protection against electrical energy sources	Cl. 5.3 of IS 62368-1:2023, IEC 62368: PART 1: 2023
36.	Audio/Video, Information and communication Technology Equipment	Insulation materials and requirements	Cl. 5.4 of IS/IEC 62368: PART 1 : 2023, IEC 62368: PART 1: 2023
37.	Audio/Video, Information and communication Technology Equipment	Components as safeguards	Cl. 5.5 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
38.	Audio/Video, Information and communication Technology Equipment	Protective conductor	Cl. 5.6 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
39.	Audio/Video, Information and communication Technology Equipment	Prospective touch voltage, touch current and protective conductor current	Cl. 5.7 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
40.	Audio/Video, Information and communication Technology Equipment	Back feed safeguard in battery backed up supplies	Cl. 5.8 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
41.	Audio/Video, Information and communication Technology Equipment	General-Electrically-caused fire	Cl. 6.1 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
42.	Audio/Video, Information and communication Technology Equipment	Power source circuit classification	Cl. 6.2 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
43.	Audio/Video, Information and communication Technology Equipment	Safeguards against fire under normal operating conditions and abnormal operating conditions	Cl. 6.3 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
44.	Audio/Video, Information and communication Technology Equipment	Safeguards against fire under single fault conditions	Cl. 6.4 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
45.	Audio/Video, Information and communication Technology Equipment	Internal and external wiring	Cl. 6.5 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
46.	Audio/Video, Information and communication Technology Equipment	Safeguards against fire due to the connection of additional equipment	Cl. 6.6 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
47.	Audio/Video, Information and communication Technology Equipment	Injury caused by hazardous substances	Cl. 7 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
48.	Audio/Video, Information and communication Technology Equipment	General-Mechanically-caused injury	Cl. 8.1 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
49.	Audio/Video, Information and communication Technology Equipment	Mechanical energy source classification	Cl. 8.2 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
50.	Audio/Video, Information and communication Technology Equipment	Safeguards against mechanical energy sources	Cl. 8.3 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
51.	Audio/Video, Information and communication Technology Equipment	Safeguards Against Parts with Sharp Edges and Corners	Cl. 8.4 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
52.	Audio/Video, Information and communication Technology Equipment	Safeguards against moving parts	Cl. 8.5 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
53.	Audio/Video, Information and communication Technology Equipment	Stability of equipment	Cl. 8.6 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
54.	Audio/Video, Information and communication Technology Equipment	Equipment mounted to a wall or ceiling or other structure	Cl. 8.7 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
55.	Audio/Video, Information and communication Technology Equipment	Handle strength	Cl. 8.8 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
56.	Audio/Video, Information and communication Technology Equipment	Wheels or casters attachment requirements	Cl. 8.9 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
57.	Audio/Video, Information and communication Technology Equipment	Carts, stands, and similar carriers	Cl. 8.10 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
58.	Audio/Video, Information and communication Technology Equipment	Mounting means for rack mounted equipment	Cl. 8.11 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
59.	Audio/Video, Information and communication Technology Equipment	Telescoping or rod antennas	Cl. 8.12 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
60.	Audio/Video, Information and communication Technology Equipment	General-Thermal burn injury	Cl. 9.1 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
61.	Audio/Video, Information and communication Technology Equipment	Thermal energy source classifications	Cl. 9.2 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
62.	Audio/Video, Information and communication Technology Equipment	Touch temperature limits	Cl. 9.3 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
63.	Audio/Video, Information and communication Technology Equipment	Safeguards against thermal energy sources	Cl. 9.4 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
64.	Audio/Video, Information and communication Technology Equipment	Requirements for Safeguards	Cl. 9.5 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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	Audio Equipment		
65.	Audio/Video, Information and communication Technology Equipment	Requirements for wireless power transmitters	Cl. 9.6 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
66.	Audio/Video, Information and communication Technology Equipment	Radiation	Cl. 10 of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
67.	Audio/Video, Information and communication Technology Equipment	Examples of equipment within the scope of this document	Annex A of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
68.	Audio/Video, Information and communication Technology Equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
69.	Audio/Video, Information and communication Technology Equipment	UV radiation	Annex C of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
70.	Audio/Video, Information and communication Technology Equipment	Test generators	Annex D of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
71.	Audio/Video, Information and communication Technology Equipment	Test conditions for equipment intended to amplify audio signals	Annex E of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
72.	Audio/Video, Information and communication Technology Equipment	Equipment markings, instructions, and instructional safeguards	Annex F of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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Noida-201301, Uttar Pradesh, India

Date of First Accreditation: 10 May 2024 -09 May 2026

QAI/CIA/TL/2024/0050

Valid from: 10 May 2026

Valid until: 09 May 2028

Accreditation Standard: ISO/IEC 17025:2017

Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
73.	Audio/Video, Information and communication Technology Equipment	Abrasion resistance test on coated printed boards	Annex G of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
74.	Audio/Video, Information and communication Technology Equipment	Criteria for telephone ringing signals (TNV circuit test)	Annex H of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
75.	Audio/Video, Information and communication Technology Equipment	Equipment markings, instructions, and instructional safeguards	Annex I of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
76.	Audio/Video, Information and communication Technology Equipment	Insulated winding wires for use without interleaved insulation	Annex J of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
77.	Audio/Video, Information and communication Technology Equipment	Safety interlocks	Annex K of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
78.	Audio/Video, Information and communication Technology Equipment	Disconnect devices	Annex L of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
79.	Audio/Video, Information and communication Technology Equipment	Equipment containing batteries and their protection circuits	Annex M of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
80.	Audio/Video, Information and communication Technology Equipment	Electrochemical potentials (V)	Annex N of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Classic Instrumentation Pvt. Ltd

C-45, Sector-65,

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
81.	Audio/Video, Information and communication Technology Equipment	Measurement of creepage distances and clearances	Annex O of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
82.	Audio/Video, Information and communication Technology Equipment	Safeguards against conductive objects	Annex P of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
83.	Audio/Video, Information and communication Technology Equipment	Circuits intended for interconnection with building wiring	Annex Q of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
84.	Audio/Video, Information and communication Technology Equipment	Limited short-circuit test	Annex R of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
85.	Audio/Video, Information and communication Technology Equipment	Tests for resistance to heat and fire	Annex S of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
86.	Audio/Video, Information and communication Technology Equipment	Mechanical strength tests	Annex T of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
87.	Audio/Video, Information and communication Technology Equipment	Mechanical strength of CRTs and protection against the effects of implosion	Annex U of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
88.	Audio/Video, Information and communication Technology Equipment	Determination of accessible parts	Annex V of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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Electronic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
89.	Audio/Video, Information and communication Technology Equipment	Comparison of terms introduced in this document	Annex W of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
90.	Audio/Video, Information and communication Technology Equipment	Alternative method for determining clearances for insulation in circuits connected to an AC main not exceeding 420 V peak (300 V RMS)	Annex X of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023
91.	Audio/Video, Information and communication Technology Equipment	Construction requirements for outdoor enclosures	Annex Y of IS/IEC 62368: PART 1: 2023, IEC 62368: PART 1: 2023

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