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Certificate of Accreditation

National Testing Bureau

Khasra No. 883, Opp. Gali No. 9, Mamraj Nagar, Sihani Road, Ghaziabad-201003, 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 I any other requirements specified by QAI.



QAI/CIA/TL/2024/0067

Valid from: 26 July 2024

Dr. Bhupendra Kumar Rana Chief Executive Officer

Valid until: **25 July 2026**

Prof. Vikram Kumar Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
1.	Electric iron	Classification and rating	Clause (6) IS 302 (Part 2) (Section 3): 2007
2.	Electric iron	Marking and instructions	Clause (7) IS 302 (Part 2) (Section 3): 2007
3.	Electric Iron	Protection against access to live part	Clause (8) IS 302 (Part 2) (Section 3): 2007
4.	Electric iron	Starting of motor operated appliances	Clause (9) IS 302 (Part 2) (Section 3): 2007
5.	Electric iron	Power input and current	Clause (10) IS 302 (Part 2) (Section 3): 2007
6.	Electric iron	Temperature rise test	Clause (11) IS 302 (Part 2) (Section 3): 2007
7.	Electric iron	Leakage current and electric strength at operating temperature	Clause (13) IS 302 (Part 2) (Section 3): 2007
8.	Electric iron	Transient over voltage	Clause (14) IS 302 (part 2) (Section 3): 2007
9.	Electric iron	Moisture resistance	Clause (15) IS 302 (Part 2) (Section 3): 2007
10.	Electric iron	Leakage current and electric strength after humidity	Clause (16) IS 302 (Part 2) (Section 3): 2007
11.	Electric iron	Abnormal operation	Clause (19) IS 302 (Part 2) (Section 3): 2007
12.	Electric iron	Stability and mechanical hazards	Clause (20) IS 302 (Part 2) (Section 3): 2007



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
13.	Electric iron	Mechanical strength	Clause (21) IS 302 (Part 2) (Section 3): 2007	
14.	Electric iron	Construction	Clause (22) IS 302 (Part 2) (Section 3): 2007	
15.	Electric iron	Internal wiring	Clause (23) IS 302 (Part 2) (Section 3): 2007	
16.	Appliances for heating liquids	Supply connection and external flexible cords	Clause (25) IS 302 (Part 2) (Section 3): 2007	
17.	Appliances for heating liquids	Terminals for external conductors	Clause (26) IS 302 (Part 2) (Section 3): 2007	
18.	Electric iron	Provision for earthing	Clause (27) IS 302 (Part 2) (Section 3): 2007	
19.	Electric iron	Screws and connections	Clause (28) IS 302 (Part 2) (Section 3): 2007	
20.	Electric iron	Clearance, creepage distances and solid insulation	Clause (29) IS 302 (Part 2) (Section 3): 2007	
21.	Electric iron	Resistance to heat and fire	Clause (30) IS 302 (Part 2) (Section 3): 2007	
22.	Electric iron	Resistance to rusting	Clause (31) IS 302 (Part 2) (Section 3): 2007	
23.	Electric iron	Classification and rating	Clause (6) / IEC 60335 (Part 2) (Section 3): 2012	
24.	Electric iron	Marking and instruction	Clause (7) / IEC 60335 (Part 2) (Section 3): 2012	
25.	Electric iron	Protection against access to live parts	Clause (8) / IEC 60335 (Part 2) (Section 3): 2012	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
26.	Electric iron	Starting of motor operated appliances	Clause (9) IEC 60335 (Part 2) (Section 3): 2012	
27.	Electric iron	Power input and current	Clause (10) IEC 60335 (Part 2) (Section 3): 2012	
28.	Electric iron	Temperature rise test	Clause (11) IEC 60335 (Part 2) (Section 3): 2012	
29.	Electric iron	Leakage current and electric strength at operating temperature	Clause (13) IEC 60335 (Part 2) (Section 3): 2012	
30.	Electric iron	Transient over voltage	Clause (14) IEC 60335 (Part 2) (Section 3): 2012	
31.	Electric iron	Moisture resistance	Clause (15) IEC 60335 (Part 2) (Section 3):2012	
32.	Electric iron	Leakage current and electric strength after Humidity	Clause (16) IEC 60335 (Part 2) (Section 3): 2012	
33.	Electric iron	Abnormal operation	Clause (19) IEC 60335 (Part 2) (Section 3): 2012	
34.	Electric iron	Stability and mechanical hazards	Clause (20) IEC 60335 (Part 2) (Section 3): 2012	
35.	Electric iron	Mechanical strength	Clause (21) IEC 60335 (Part 2) (Section 3):2012	
36.	Electric iron	Construction	Clause (22) IEC 60335 (Part 2) (Section 3): 2012	
37.	Electric iron	Internal wiring	Clause (23) IEC 60335 (Part 2) (Section 3): 2012	





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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
38.	Electric iron	Supply connection and external flexible cords	Clause (25) IEC 60335 (Part 2) (Section 3): 2012	
39.	Electric iron	Terminals for external conductors	Clause (26) IEC 60335 (Part 2) (Section 3): 2012	
40.	Electric iron	Provision for earthing	Clause (27) IEC 60335 (Part 2) (Section 3): 2012	
41.	Electric iron	Screws and connections	Clause (28) IEC 60335 (Part 2) (Section 3): 2012	
42.	Electric iron	Clearance, creepage distances and solid insulation	Clause (29) IEC 60335 (Part 2) (Section 3): 2012	
43.	Electric iron	Resistance to heat and fire	Clause (30) IEC 60335 (Part 2) (Section 3): 2012	
44.	Electric iron	Resistance to rusting	Clause (31) IEC 60335 (Part 2) (Section 3): 2012	
45.	Electric iron	Measurement of heating-up time	Clause (10) IS 366: 1991	
46.	Electric iron	Measurement of sole plate temperature	Clause (11) IS 366: 1991	
47.	Electric iron	Measurement of temperature distribution	Clause (12) IS 366: 1991	
48.	Electric iron	Measurement of over swing temperature and heating-up excess temperature	Clause (13) IS 366: 1991	
49.	Electric iron	Measurement of cyclic fluctuation of temperature of hottest point	Clause (14) IS 366: 1991	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
50.	Electric Iron	Measurement of temperature drop under load	Clause (15) IS 366: 1991	
51.	Electric iron	Measurement of thermostatic stability	Clause (16) IS 366: 1991	
52.	Electric iron	Finish	Clause (17) IS 366: 1991	
53.	Appliances for heating liquids	Classification and rating	Clause (6) IS 302 (Part 2) (Section 15): 2009	
54.	Appliances for heating liquids	Marking and instruction	Clause (7) IS 302 (Part 2) (Section 15): 2009	
55.	Appliances for heating liquids	Protection against access to live parts	Clause (8) IS 302 (Part 2) (Section 15): 2009	
56.	Appliances for heating liquids	Starting of motor operated appliances	Clause (9) IS 302 (Part 2) (Section 15): 2009	
57.	Appliances for heating liquids	Power input and current	Clause (10) IS 302 (Part 2) (Section 15): 2009	
58.	Appliances for heating liquids	Temperature rise test	Clause (11) IS 302 (Part 2) (Section 15): 2009	
59.	Appliances for heating liquids	Leakage current and electric strength at operating temp.	Clause (13) / IS 302 (Part 2) (Section 15): 2009	
60.	Appliances for heating liquids	Transient over voltage	Clause (14) / IS 302 (Part 2) (Section 15): 2009	
61.	Appliances for heating liquids	Moisture resistance	Clause (15) IS 302 (Part 2) (Section 15): 2009	
62.	Appliances for heating liquids	Leakage current and electric strength after humidity	Clause (16) IS 302 (Part 2) (Section 15): 2009	





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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
63.	Appliances for heating liquids	Abnormal operation	Clause (19) IS 302 (Part 2) (Section 15): 2009	
64.	Appliances for heating liquids	Stability and mechanical hazards	Clause (20) IS 302 (Part 2) (Section 15): 2009	
65.	Appliances for heating liquids	Mechanical strength	Clause (21) IS 302 (Part 2) (Section 15): 2009	
66.	Appliances for heating liquids	Construction	Clause (22) IS 302 (Part 2) (Section 15): 2009	
67.	Appliances for heating liquids	Internal Wiring	Clause (23) IS 302 (Part 2) (Section 15): 2009	
68.	Appliances for heating liquids	Supply connection and external flexible cords	Clause (25) IS 302 (Part 2) (Section 15): 2009	
69.	Appliances for heating liquids	Terminals for external conductors	Clause (26) IS 302 (Part 2) (Section 15): 2009	
70.	Appliances for heating liquids	Provision for earthing	Clause (27) IS 302 (Part 2) (Section 15): 2009	
71.	Appliances for heating liquids	Screw and connection	Clause (28) IS 302 (Part 2) (Section 15): 2009	
72.	Appliances for heating liquids	Clearances, creepage distances and solid insulation	Clause (29) IS 302 (Part 2) (Section 15): 2009	
73.	Appliances for heating liquids	Resistances to heat and fire	Clause (30) IS 302 (Part 2) (Section 15): 2009	
74.	Appliances for heating liquids	Resistance to rusting	Clause (31) IS 302 (Part 2) (Section 15): 2009	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
75.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Classification and rating	Clause (6) IEC 60335 (Part 2) (Section 14): 2016	
76.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Marking and instructions	Clause (7) IEC 60335 (Part 2) (Section 14): 2016	
77.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Protection against access to live parts	Clause (8) IEC 60335 (Part 2) (Section 14): 2016	
78.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Starting of motor-operated appliances	Clause (9) IEC 60335 (Part 2) (Section 14): 2016	
79.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Power input and current	Clause (10) IEC 60335 (Part 2) (Section 14): 2016	
80.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Temperature Rise Test	Clause (11) IEC 60335 (Part 2) (Section 14): 2016	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
81.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Leakage current and electric strength at operating temperature	Clause (13) IEC 60335 (Part 2) (Section 14): 2016	
82.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Transient overvoltage	Clause (14) IEC 60335 (Part 2) (Section 14): 2016	
83.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Moisture resistance	Clause (15) IEC 60335 (Part 2) (Section 14): 2016	
84.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Leakage current and electric strength after Humidity	Clause (16) IEC 60335 (Part 2) (Section 14): 2016	
85.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Abnormal operation	Clause (19) IEC 60335 (Part 2) (Section 14): 2016	
86.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Stability and mechanical hazards	Clause (20) IEC 60335 (Part 2) (Section 14): 2016	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
87.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Mechanical strength	Clause (21) IEC 60335 (Part 2) (Section 14): 2016	
88.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Construction	Clause (22) IEC 60335 (Part 2) (Section 14): 2016	
89.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Internal wiring	Clause (23) IEC 60335 (Part 2) (Section 14): 2016	
90.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Supply connection and external flexible cords	Clause (25) IEC 60335 (Part 2) (Section 14): 2016	
91.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Terminals for external conductors	Clause (26) IEC 60335 (Part 2) (Section 14): 2016	
92.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Provision for earthing	Clause (27) IEC 60335 (Part 2) (Section 14): 2016	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
93.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Screw and connection	Clause (28) IEC 60335 (Part 2) (Section 14): 2016	
94.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Clearance, creepage distances and solid insulation	Clause (29) IEC 60335 (Part 2) (Section 14): 2016	
95.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Resistance to heat and fire	Clause (30) IEC 60335 (Part 2) (Section 14): 2016	
96.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Resistance to rusting	Clause (31) IEC 60335 (Part 2) (Section 14): 2016	
97.	Electric Kitchen Machine	Classification and rating	Clause (6) IS 4250: 1980	
98.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Marking and Instruction	Clause (7) / IS 4250: 1980	
99.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Protection against access to live parts	Clause (8) IS 4250: 1980	



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
100.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Starting of motor-operated appliances	Clause (9) IS 4250: 1980
101.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Power input and current	Clause (10) IS 4250: 1980
102.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Temperature rise test	Clause (11) IS 4250: 1980
103.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Operation under overload conditions of appliances with heating elements	Clause (12) IS 4250: 1980
104.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Leakage current and electric strength at operating temp.	Clause (13) IS 4250: 1980
105.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Transient overvoltage	Clause (14) IS 4250: 1980



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
106.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Moisture resistance	Clause (15) IS 4250: 1980
107.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Leakage current and electric strength after humidity	Clause (16) IS 4250: 1980
108.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Abnormal operation	Clause (19) IS 4250: 1980
109.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Stability and mechanical hazards	Clause (20) IS 4250: 1980
110.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Mechanical strength	Clause (21) IS 4250: 1980
111.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Construction	Clause (22) IS 4250: 1980



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
112.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Internal wiring	Clause (23) IS 4250: 1980	
113.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Supply connection and external flexible cords	Clause (25) IS 4250: 1980	
114.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Terminals for external conductors	Clause (26) IS 4250: 1980	
115.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Provision for earthing	Clause (27) IS 4250: 1980	
116.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Screw and connection	Clause (28) IS 4250: 1980	
117.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Clearance, creepage distance and solid insulation	Clause (29) IS 4250: 1980	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
118.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Resistance to heat and fire	Clause (30) IS 4250: 1980	
119.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Resistance to rusting	Clause (31) IS 4250: 1980	
120.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Finish	Clause (33) IS 4250: 1980	
121.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Operation tests	Clause (34) IS 4250: 1980	
122.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Temperature withstand test for bowl	Clause (35) IS 4250: 1980	
123.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Test for controls	Clause (36) IS 4250: 1980	



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
124.	Household and similar electrical appliances - Safety - particular requirements for kitchen machines	Strength of assembly	Clause (37) IS 4250: 1980
125.	Appliances for insect killers	Classification and rating	Clause (6) IS 302 (Part 2) (Section 59): 1999
126.	Appliances for insect killers	Marking and instruction	Clause (7) IS 302 (Part 2) (Section 59): 1999
127.	Appliances for insect killers	Protection against access to live parts	Clause (8) IS 302 (Part 2) (Section 59): 1999
128.	Appliances for insect killers	Starting of motor-operated appliances	Clause (9) IS 302 (Part 2) (Section 59): 1999
129.	Appliances for insect killers	Power Input and current	Clause (10) IS 302 (Part 2) (Section 59): 1999
130.	Appliances for insect killers	Temperature rise test	Clause (11) IS 302 (Part 2) (Section 59): 1999
131.	Appliances for insect killers	Leakage Current and Electric Strength at Operating temperature	Clause (13) IS 302 (Part 2) (Section 59): 1999
132.	Appliances for insect killers	Transient overvoltage	Clause (14) IS 302 (Part 2) (Section 59): 1999
133.	Appliances for insect killers	Moisture resistance	Clause (15) IS 302 (Part 2) (Section 59): 1999
134.	Appliances for insect killers	Leakage current and electric strength after humidity	Clause (16) IS 302 (Part 2) (Section 59): 1999



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
135.	Appliances for insect killers	Abnormal operation	Clause (19) IS 302 (Part 2) (Section 59): 1999	
136.	Appliances for insect killers	Stability and mechanical hazards	Clause (20) IS 302 (Part 2) (Section 59): 1999	
137.	Appliances for insect killers	Mechanical strength	Clause (21) IS 302 (Part 2) (Section 59): 1999	
138.	Appliances for insect killers	Construction	Clause (22) IS 302 (Part 2) (Section 59): 1999	
139.	Appliances for insect killers	Internal wiring	Clause (23) IS 302 (Part 2) (Section 59): 1999	
140.	Appliances for insect killers	Supply connection and external flexible cords	Clause (25) IS 302 (Part 2) (Section 59): 1999	
141.	Appliances for insect killers	Terminals for external conductors	Clause (26) IS 302 (Part 2) (Section 59): 1999	
142.	Appliances for insect killers	Provision for earthing	Clause (27) IS 302 (Part 2) (Section 59): 1999	
143.	Appliances for insect killers	Screw and connection	Clause (28) IS 302 (Part 2) (Section 59): 1999	
144.	Appliances for insect killers	Clearance, creepage distances and solid insulation	Clause (29) IS 302 (Part 2) (Section 59): 1999	
145.	Appliances for insect killers	Resistance to heat and fire	Clause (30) IS 302 (Part 2) (Section 59): 1999	
146.	Appliances for insect killers	Resistance to rusting	Clause (31) IS 302 (Part 2) (Section 59): 1999	
147.	Appliances for insect killers	Classification and rating	Clause (6) IEC 60335 (Part 2) (Section 59):2021	



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
148.	Appliances for insect killers	Marking and instruction	Clause (7) IEC 60335 (Part 2) (Section 59):2021
149.	Appliances for insect killers	Protection against access to live parts	Clause (8) IEC 60335 (Part 2) (Section 59):2021
150.	Appliances for insect killers	Starting of motor-operated appliances	Clause (9) IEC 60335 (Part 2) (Section 59):2021
151.	Appliances for insect killers	Power Input and current	Clause (10) IEC 60335 (Part 2) (Section 59):2021
152.	Appliances for insect killers	Temperature rise test	Clause (11) IEC 60335 (Part 2) (Section 59):2021
153.	Appliances for insect killers	Leakage current and electric strength at operating temperature	Clause (13) IEC 60335 (Part 2) (Section 59):2021
154.	Appliances for insect killers	Transient overvoltage	Clause (14) IEC 60335 (Part 2) (Section 59):2021
155.	Appliances for insect killers	Moisture resistance	Clause (15) IEC 60335 (Part 2) (Section 59):2021
156.	Appliances for insect killers	Leakage current and electric strength after humidity	Clause (16) IEC 60335 (Part 2) (Section 59):2021
157.	Appliances for insect killers	Abnormal operation	Clause (19) IEC 60335 (Part 2) (Section 59):2021
158.	Appliances for insect killers	Stability and mechanical hazards	Clause (20) IEC 60335 (Part 2) (Section 59):2021
159.	Appliances for insect killers	Mechanical strength	Clause (21) IEC 60335 (Part 2) (Section 59):2021



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
160.	Appliances for insect killers	Construction	Clause (22) IEC 60335 (Part 2) (Section 59):2021
161.	Appliances for insect killers	Internal wiring	Clause (23) IEC 60335 (Part 2) (Section 59):2021
162.	Appliances for insect killers	Supply connection and external flexible cords	Clause (25) IEC 60335 (Part 2) (Section 59):2021
163.	Appliances for insect killers	Terminals for external conductors	Clause (26) IEC 60335 (Part 2) (Section 59):2021
164.	Appliances for insect killers	Provision for earthing	Clause (27) IEC 60335 (Part 2) (Section 59):2021
165.	Appliances for insect killers	Screw and connection	Clause (28) IEC 60335 (Part 2) (Section 59):2021
166.	Appliances for insect killers	Clearance, creepage distances and solid insulation	Clause (29) IEC 60335 (Part 2) (Section 59):2021
167.	Appliances for insect killers	Resistance to heat and fire	Clause (30) IEC 60335 (Part 2) (Section 59):2021
168.	Appliances for insect killers	Resistance to rusting	Clause (31) IEC 60335 (Part 2) (Section 59):2021
169.	Mineral filled sheathed heating elements	Classification and rating	Clause (6) IS 4159: 2021
170.	Mineral filled sheathed heating elements	Marking and instruction	Clause (7) IS 4159: 2021
171.	Mineral filled sheathed heating elements	Protection against access to live parts	Clause (8) IS 4159: 2021
172.	Mineral filled sheathed heating elements	Starting of motor-operated appliances	Clause (9) IS 4159: 2021



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SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
173.	Mineral filled sheathed heating elements	Power input & current	Clause (10) IS 4159: 2021	
174.	Mineral filled sheathed heating elements	Temperature rise test	Clause (11) IS 4159: 2021	
175.	Mineral filled sheathed heating elements	Operation under overload conditions of appliances with heating elements	Clause (12) IS 4159: 2021	
176.	Mineral filled sheathed heating elements	Leakage current and electric strength at operating temp.	Clause (13) IS 4159: 2021	
177.	Mineral filled sheathed heating elements	Transient overvoltage	Clause (14) IS 4159: 2021	
178.	Mineral filled sheathed h <mark>eat</mark> ing elements	Moisture resistance	Clause (15) IS 4159: 2021	
179.	Mineral filled sheathed heating elements	Leakage current and electric strength after humidity	Clause (16) IS 4159: 2021	
180.	Mineral filled sheathed heating elements	Abnormal operation	Clause (19) IS 4159: 2021	
181.	Mineral filled sheathed heating elements	Stability and mechanical hazards	Clause (20) IS 4159: 2021	
182.	Mineral filled sheathed heating elements	Mechanical strength	Clause (21) IS 4159: 2021	
183.	Mineral filled sheathed heating elements	Construction	Clause (22) IS 4159: 2021	
184.	Mineral filled sheathed heating elements	Internal wiring	Clause (23) IS 4159: 2021	



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
185.	Mineral filled sheathed heating elements	Supply connection and external flexible cords	Clause (25) IS 4159: 2021
186.	Mineral filled sheathed heating elements	Terminals for external conductors	Clause (26) IS 4159: 2021
187.	Mineral filled sheathed heating elements	Provision for earthing	Clause (27) IS 4159: 2021
188.	Mineral filled sheathed heating elements	Screw and connection	Clause (28) IS 4159: 2021
189.	Mineral fill <mark>ed</mark> sheathed heating elements	Clearance, creepage distances and solid insulation	Clause (29) IS 4159: 2021
190.	Mineral filled sheathed heating elements	Resistance to heat and fire	Clause (30) IS 4159: 2021
191.	Mineral filled sheathed heating elements	Resistance to rusting	Clause (31) IS 4159: 2021
192.	Mineral filled sheathed heating elements	Finish	Clause (33) IS 4159: 2021
193.	Mineral filled sheathed heating elements	Leakage and hydrostatic strength (for immersion oil heating elements)	Clause (33) IS 4159: 2021
194.	Room heaters	Classification and rating	Clause (6) IS 302 (Part 2) (Section 30): 2007
195.	Room heaters	Marking and instructions	Clause (7) IS 302 (Part 2) (Section 30): 2007
196.	Room heaters	Protection against access to live parts	Clause (8) IS 302 (Part 2) (Section 30): 2007



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
197.	Room heaters	Starting of motor-operated appliances	Clause (9) IS 302 (Part 2) (Section 30): 2007	
198.	Room heaters	Power input and current	Clause (10) IS 302 (Part 2) (Section 30): 2007	
199.	Room heaters	Temperature rise test	Clause (11) IS 302 (Part 2) (Section 30): 20073	
200.	Room heaters	Leakage current and electric strength at operating temp.	Clause (13) IS 302 (Part 2) (Section 30): 2007	
201.	Room heaters	Transient overvoltage	Clause (14) IS 302 (Part 2) (Section 30): 20075	
202.	Room heaters	Moisture resistance	Clause (15) IS 302 (Part 2) (Section 30): 2007	
203.	Room heaters	Leakage current and electric strength after humidity	Clause (16) IS 302 (Part 2) (Section 30): 2007	
204.	Room heaters	Abnormal operation	Clause (19) IS 302 (Part 2) (Section 30): 2007	
205.	Room heaters	Stability and mechanical hazards	Clause (20) IS 302 (Part 2) (Section 30): 20027	
206.	Room heaters	Mechanical strength	Clause (21) IS 302 (Part 2) (Section 30): 2007	
207.	Room heaters	Construction	Clause (22) IS 302 (Part 2) (Section 30): 2007	
208.	Room heaters	Internal wiring	Clause (23) IS 302 (Part 2) (Section 30): 2007	
209.	Room heaters	Supply connection and external flexible cords	Clause (25) IS 302 (Part 2) (Section 30): 2007	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
210.	Room heaters	Terminals for external conductors	Clause (26) IS 302 (Part 2) (Section 30): 2007	
211.	Room heaters	Provision for earthing	Clause (27) IS 302 (Part 2) (Section 30): 2007	
212.	Room heaters	Screw and connection	Clause (28) IS 302 (Part 2) (Section 30): 2007	
213.	Room heaters	Clearance, creepage distances and solid insulation	Clause (29) IS 302 (Part 2) (Section 30): 2007	
214.	Room heaters	Resistance to heat and fire	Clause (30) IS 302 (Part 2) (Section 30): 2007	
215.	Room heaters	Resistance to rusting	Clause (31) IS 302 (Part 2) (Section 30): 2007	
216.	Room heaters	Classification and rating	Clause (6) IEC 60335 (Part 2) (Section 30): 2021	
217.	Room heaters	Marking and instructions	Clause (7) IEC 60335 (Part 2) (Section 30): 2021	
218.	Room heaters	Protection against access to live parts	Clause (8) IEC 60335 (Part 2) (Section 30): 2021	
219.	Room heaters	Starting of motor-operated appliances	Clause (9) IEC 60335 (Part 2) (Section 30): 2021	
220.	Room heaters	Power input and current	Clause (10) IEC 60335 (Part 2) (Section 30): 2021	
221.	Room heaters	Temperature rise test	Clause (11) IEC 60335 (Part 2) (Section 30): 2021	
222.	Room heaters	Leakage current and electric strength at operating temp.	Clause (13) IEC 60335 (Part 2) (Section 30): 2021	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
223.	Room heaters	Transient overvoltage	Clause (14) IEC 60335 (Part 2) (Section 30): 2021	
224.	Room heaters	Moisture resistance	Clause (15) IEC 60335 (Part 2) (Section 30): 2021	
225.	Room heaters	Leakage current and electric strength after humidity	Clause (16) IEC 60335 (Part 2) (Section 30): 2021	
226.	Room heaters	Abnormal operation	Clause (19) IEC 60335 (Part 2) (Section 30): 2021	
227.	Room heaters	Stability and mechanical hazards	Clause (20) IEC 60335 (Part 2) (Section 30): 2021	
228.	Room heaters	Mechanical strength	Clause (21) IEC 60335 (Part 2) (Section 30): 2021	
229.	Room heaters	Construction	Clause (22) IEC 60335 (Part 2) (Section 30): 2021	
230.	Room heaters	Internal wiring	Clause (23) IEC 60335 (Part 2) (Section 30): 2021	
231.	Room heaters	Supply connection and external flexible cords	Clause (25) IEC 60335 (Part 2) (Section 30): 2021	
232.	Room heaters	Terminals for external conductors	Clause (26) IEC 60335 (Part 2) (Section 30): 2021	
233.	Room heaters	Provision for earthing	Clause (27) IEC 60335 (Part 2) (Section 30): 2021	
234.	Room heaters	Screw and connection	Clause (28) IEC 60335 (Part 2) (Section 30): 2021	
235.	Room heaters	Clearance, creepage distances and solid insulation	Clause (29) IEC 60335 (Part 2) (Section 30): 2021	



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
236.	Room heaters	Resistance to heat and fire	Clause (30) IEC 60335 (Part 2) (Section 30): 2021	
237.	Room heaters	Resistance to rusting	Clause (31) IEC 60335 (Part 2) (Section 30): 2021	
238.	Stationary storage type electric water heater	Classification and rating	Clause (6) IS 302 (Part 2) (Section 21): 2018	
239.	Stationary storage type electric water heater	Marking and instructions	Clause (7) IS 302 (Part 2) (Section 21): 2018	
240.	Stationary storage type electric water heater	Protection against access to live part	Clause (8) IS 302 (Part 2) (Section 21): 2018	
241.	Stationary storage type electric water heater	Starting of motor operated applications	Clause (9) IS 302 (Part 2) (Section 21): 20182007	
242.	Stationary storage type electric water heater	Power input and current	Clause (10) IS 302 (Part 2) (Section 21): 2018	
243.	Stationary storage type electric water heater	Temperature rise test	Clause (11) IS 302 (Part 2) (Section 21): 2018	
244.	Stationary storage type electric water heater	Leakage current and electric strength at operating	Clause (13) IS 302 (Part 2) (Section 21): 2018	
245.	Stationary storage type electric water heater	Transient overvoltage	Clause (14) IS 302 (part 2) (Section 21): 2018	
246.	Stationary storage type electric water heater	Moisture resistance	Clause (15) IS 302 (Part 2) (Section 21): 2018	
247.	Stationary storage type electric water heater	Leakage current and electric strength after humidity	Clause (16) IS 302 (Part 2) (Section 21): 2018	
248.	Stationary storage type electric water heater	Abnormal operation	Clause (19) IS 302 (Part 2) (Section 21): 2018	



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
249.	Stationary storage type electric water heater	Stability and mechanical hazards	Clause (20) IS 302 (Part 2) (Section 21): 2018
250.	Stationary storage type electric water heater	Mechanical strength	Clause (21) IS 302 (Part 2) (Section 21): 2018
251.	Stationary storage type electric water heater	Construction	Clause (22) IS 302 (Part 2) (Section 21): 2018
252.	Stationary storage type electric water heater	Internal wiring	Clause (23) IS 302 (Part 2) (Section 21): 2018
253.	Stationary storage type electric water heater	Supply connection and flexible cords	Clause (25) IS 302 (Part 2) (Section 21): 2018
254.	Stationary storage type electric water heater	Terminals for external conductors	Clause (26) IS 302 (Part 2) (Section 21): 2018
255.	Stationary storage type electric water heater	Provision for earthing	Clause (27) IS 302 (Part 2) (Section 21): 2018
256.	Stationary storage type electric water heater	Screws and connections	Clause (28) IS 302 (Part 2(Section 21): 2018
257.	Stationary storage type electric water heater	Clearance, creepage distances tracking	Clause (29) IS 302 (Part 2) (Section 21): 2018
258.	Stationary storage type electric water heater	Resistance to heat, fire and tracking	Clause (30) IS 302 (Part 2) (Section 21): 2018
259.	Stationary storage type electric water heater	Resistance to rusting	Clause (31) IS 302 (Part 2) (Section 21): 2018
260.	Stationary storage type electric water heater	Classification and rating	Clause (6) IEC 60335 (Part 2) (Section 21): 2018
261. :	Stationary storage type electric water heater	Marking and instruction	Clause (7) IEC 60335 (Part 2) (Section 21): 2018



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
262.	Stationary storage type electric water heater	Protection against access to live parts	Clause (8) IEC 60335 (Part 2) (Section 21): 2018
263.	Stationary storage type electric water heater	Starting of motor operated appliances	Clause (9) IEC 60335 (Part 2) (Section 21): 2018
264.	Stationary storage type electric water heater	Power input and current	Clause (10) IEC 60335 (Part 2) (Section 21): 2018
265.	Stationary storage type electric water heater	Temperature rise test	Clause (11) IEC 60335 (Part 2) (Section 21): 2018
266.	Stationary storage type electric water heater	Leakage current and electric strength at operating temperature	Clause (13) IEC 60335 (Part 2) (Section 21): 2018
267.	Stationary storage type electric water heater	Transient over voltages	Clause (14) IEC 60335 (Part 2) (Section 21): 2018
268.	Stationary storage type electric water heater	Moisture resistance	Clause 15) IEC 60335 (Part 2) (Section 21): 2018
269.	Stationary storage type electric water heater	Leakage current and electric strength after humidity	Clause (16) IEC 60335 (Part 2) (Section 21): 2018
270.	Stationary storage type electric water heater	Abnormal operations	Clause (19) IEC 60335 (Part 2) (Section 21): 2018
271.	Stationary storage type electric water heater	Stability and mechanical hazards	Clause (20) IEC 60335 (Part 2) (Section 21): 2018
272.	Stationary storage type electric water heater	Mechanical strength	Clause (21) IEC 60335 (Part 2) (Section 21): 2018
273.	Stationary storage type electric water heater	Construction	Clause (22) IEC 60335 (Part 2) (Section 21): 2018



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
274.	Stationary storage type electric water heater	Internal wiring	Clause (23) IEC 60335 (Part 2) (Section 21): 2018
275.	Stationary storage type electric water heater	Supply connection and external flexible cords	Clause (25) IEC 60335 (Part 2) (Section 21): 2018
276.	Stationary storage type electric water heater	Terminals for external conductors	Clause (26) IEC 60335 (Part 2) (Section 21): 2018
277.	Stationary storage type electric water heater	Provision for earthing	Clause (27) IEC 60335 (Part 2) (Section 21): 2018
278.	Stationary storage type electric water heater	Screws and connections	Clause (28) IEC 60335 (Part 2) (Section 21): 2018
279.	Stationary storage type electric water heater	Clearance, creepage distances and solid insulation	Clause (29) IEC 60335 (Part 2) (Section 21): 2018
280.	Stationary storage type electric water heater	Resistance to heat and fire	Clause (30) IEC 60335 (Part 2) (Section 21): 2018
281.	Stationary storage type electric water heater	Resistance to rusting	Clause (31) IEC 60335 (Part 2) (Section 21): 2018
282.	Stationary storage type electric water heater	Verification of the rated capacity	Clause (14) IS 2082: 2018
283.	Stationary storage type electric water heater	Standing loss per 24 hours	Clause (15) IS 2082: 2018
284.	Stationary storage type electric water heater	Hot water output	Clause (16) IS 2082: 2018
285.	Stationary storage type electric water heater	Reheating time	Clause (17) IS 2082: 2018
286.	Stationary storage type electric water heater	Mixing factor	Clause (18) IS 2082: 2018



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
287.	Stationary storage type electric water heater	Deviation from dial calibration	Clause (19) IS 2082: 2018
288.	Stationary storage type electric water heater	Cyclic temperature variation	Clause (20) IS 2082: 2018
289.	Stationary storage type electric water heater	Finish	Clause (21) IS 2082: 2018
290.	Electric instantaneous water heaters	Classification and rating	Clause (6) IS 302 (Part 2) (Section 35):2017
291.	Electric instantaneous water heaters	Marking and instructions	Clause (7) IS 302 (Part 2) (Section 35):2017
292.	Electric instantaneous water heaters	Protection against access to live part	Clause (8) IS 302 (Part 2) (Section 35):2017
293.	Electric instantaneous water heaters	Starting of motor operated appliances	Clause (9) IS 302 (Part 2) (Section 35):2017
294.	Electric instantaneous water heaters	Power input and current	Clause (10) IS 302 (Part 2) (Section 35):2017
295.	Electric instantaneous water heaters	Temperature rise test	Clause (11) IS 302 (Part 2) (Section 35):2017
296.	Electric instantaneous water heaters	Leakage current and electric strength at operating temperature	Clause (13) IS 302 (Part 2) (Section 35):2017
297.	Electric instantaneous water heaters	Transient over voltage	Clause (14) IS 302 (Part 2) (Section 35):2017
298.	Electric instantaneous water heaters	Moisture resistance	Clause (15) IS 302 (Part 2) (Section 35):2017



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
299.	Electric instantaneous water heaters	Leakage current and electric strength after humidity	Clause (16) IS 302 (Part 2) (Section 35):2017
300.	Electric instantaneous water heaters	Abnormal operation	Clause (19) IS 302 (Part 2) (Section 35):2017
301.	Electric instantaneous water heaters	Stability and mechanical hazards	Clause (20) IS 302 (Part 2) (Section 35):2017
302.	Electric instantaneous water heaters	Mechanical strength	Clause (21) IS 302 (Part 2) (Section 35):2017
303.	Electric instantaneous water heaters	Construction	Clause (22) IS 302 (Part 2) (Section 35):2017
304.	Electric instantaneous water heaters	Internal wiring	Clause (23) IS 302 (Part 2) (Section 35):2017
305.	Electric instantaneous water heaters	Supply connection and flexible cords	Clause (25) IS 302 (Part 2) (Section 35):2017
306.	Electric instantaneous water heaters	Terminals for external conductors	Clause (26) IS 302 (Part 2) (Section 35):2017
307.	Electric instantaneous water heaters	Provision for earthing	Clause (27) IS 302 (Part 2) (Section 35): 2017
308.	Electric instantaneous water heaters	Screws and connections	Clause (28) IS 302 (Part 2) (Section 35): 2017
309.	Electric instantaneous water heaters	Clearance, creepage distances tracking	Clause (29) IS 302 (Part 2) (Section 35): 2017
310.	Electric instantaneous water heaters	Resistance to heat and fire	Clause (30) IS 302 (Part 2) (Section 35): 2017
311.	Electric instantaneous water heaters	Resistance to rusting	Clause (31) IS 302 (Part 2) (Section 35): 2017



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
312.	Electric immersion water heaters	Classification and rating	Clause (6) IS 302 (Part 2) (Section 201): 2008
313.	Electric immersion water heaters	Marking and instructions	Clause (7) IS 302 (Part 2) (Section 201): 2008
314.	Electric immersion water heaters	Protection against access to live part	Clause (8) IS 302 (Part 2) (Section 201): 2008
315.	Electric immersion water heaters	Starting of motor operated applications	Clause (9) IS 302 (Part 2) (Section 201): 2008
316.	Electric immersion water heaters	Power input and current	Clause (10) IS 302 (Part 2) (Section 201): 2008
317.	Electric immersion water heaters	Temperature rise test	Clause (11) IS 302 (Part 2) (Section 201): 2008
318.	Electric immersion water heaters	Leakage current and electric strength at operating temperature	Clause (13) IS 302 (Part 2) (Section 201): 2008
319.	Electric immersion water heaters	Transient over voltage	Clause (14) IS 302 (Part 2) (Section 201): 2008
320.	Electric immersion water heaters	Moisture resistance	Clause (15) IS 302 (Part 2) (Section 201): 2008
321.	Electric immersion water heaters	Leakage current and electric strength after humidity	Clause (16) IS 302 (Part 2) (Section 201): 2008
322.	Electric immersion water heaters	Abnormal operation	Clause (19) IS 302 (Part 2) (Section 201): 2008
323.	Electric immersion water heaters	Stability and mechanical hazards	Clause (20) IS 302 (Part 2) (Section 201): 2008



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
324.	Electric immersion water heaters	Mechanical strength	Clause (21) IS 302 (Part 2) (Section 201): 2008
325.	Electric immersion water heaters	Construction	Clause (22) IS 302 (Part 2) (Section 201): 2008
326.	Electric immersion water heaters	Internal wiring	Clause (23) IS 302 (Part 2) (Section 201): 2008
327.	Electric immersion water heaters	Supply connection and flexible cords	Clause (25) IS 302 (Part 2) (Section 201): 2008
328.	Electric immersion water heaters	Terminals for external conductors	Clause (26) IS 302 (Part 2) (Section 201): 2008
329.	Electric immersion water heaters	Provision for earthing	Clause (27) IS 302 (Part 2) (Section 201): 2008
330.	Electric immersion water heaters	Screws and connections	Clause (28) IS 302 (Part 2) (Section 201): 2008
331.	Electric immersion water heaters	Clearance, creepage distances tracking	Clause (29) IS 302 (Part 2) (Section 201): 2008
332.	Electric immersion water heaters	Resistance to heat and fire	Clause (30) IS 302 (Part 2) (Section 201): 2008
333.	Electric immersion water heaters	Resistance to rusting	Clause (31) IS 302 (Part 2) (Section 201): 2008
334.	Electric immersion water heaters	Classification and rating	Clause (6) IS 368: 2014
335.	Electric immersion water heaters	Marking and instruction	Clause (7) IS 368: 2014
336.	Electric immersion water heaters	Protection against access to live parts	Clause (8) IS 368: 2014



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
337.	Electric immersion water heaters	Starting of motor-operated appliances	Clause (9) IS 368: 2014
338.	Electric immersion water heaters	Power input and current	Clause (10) IS 368: 2014
339.	Electric immersion water heaters	Temperature rise test	Clause (11) IS 368: 2014
340.	Electric immersion water heaters	Leakage current and electric strength at operating temperature	Clause (13) IS 368: 2014
341.	Electric immersion water heaters	Transient overvoltage	Clause (14) IS 368: 2014
342.	Electric immersion water heaters	Moisture resistance	Clause (15) IS 368: 2014
343.	E <mark>lect</mark> ric immersion water heaters	Leakage current and electric strength after humidity	Clause (16) IS 368: 2014
344.	Electric immersion water heaters	Abnormal operation	Clause (19) IS 368: 2014
345.	Electric immersion water heaters	Stability and mechanical hazards	Clause (20) IS 368: 2014
346.	Electric immersion water heaters	Mechanical strength	Clause (21) IS 368: 2014
347.	Electric immersion water heaters	Construction	Clause (22) IS 368: 2014
348.	Electric immersion water heaters	Internal wiring	Clause (23) IS 368: 2014



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
349.	Electric immersion water heaters	Supply connection and external flexible cords	Clause (25) IS 368: 2014
350.	Electric immersion water heaters	Terminals for external conductors	Clause (26) IS 368: 2014
351.	Electric immersion water heaters	Provision for earthing	Clause (27) IS 368: 2014
352.	Electric immersion water heaters	Screw and connection	Clause (28) IS 368: 2014
353.	Electric immersion water heaters	Clearances, creepage distances and solid insulation	Clause (29) IS 368: 2014
354.	Electric immersion water heaters	Resistance to heat and fire	Clause (30) IS 368: 2014
355.	Electric immersion water heaters	Resistance to rusting	Clause (31) IS 368: 2014
356.	S <mark>afety</mark> of household and similar electrical appliances	Classification and rating	Clause (6) IS 302 (Part 1): 2008
357.	Safety of household and similar electrical appliances	Marking and instructions	Clause (7) IS 302 (Part 1): 2008
358.	Safety of household and similar electrical appliances	Protection against access to live part	Clause (8) IS 302 (Part 1): 2008
359.	Safety of household and similar electrical appliances	Starting of motor operated appliances	Clause (9) IS 302 (Part 1): 2008
360.	Safety of household and similar electrical appliances	Power input and current	Clause (10) IS 302 (Part 1): 2008
361.	Safety of household and similar electrical appliances	Temperature rise test	Clause (11) IS 302 (Part 1): 2008



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Scope of Accreditation National Testing Bureau

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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
362.	Safety of household and similar electrical appliances	Operation under overload conditions of appliances with heating elements	Clause (12) IS 302 (Part 1): 2008
363.	Safety of household and similar electrical appliances	Leakage current and electric strength at operating temperature	Clause (13) IS 302 (Part 1): 2008
364.	Safety of household and similar electrical appliances	Transient over voltage	Clause (14) IS 302 (Part 1): 2008
365.	Safety of household and similar electrical appliances	Moisture resistance	Clause (15) IS 302 (Part 1): 2008
366.	Safety o <mark>f</mark> household and sim <mark>il</mark> ar electrical appliances	Leakage current and electric strength after humidity	Clause (16) IS 302 (Part 1): 2008
367.	Safety of household and similar electrical appliances	Abnormal operation	Clause (19) IS 302 (Part 1): 2008
368.	S <mark>afety</mark> of household and sim <mark>ilar el</mark> ectrical appliances	Stability and mechanical hazards	Clause (20) IS 302 (Part 1): 2008
369.	Safety of household and similar electrical appliances	Mechanical strength	Clause (21) IS 302 (Part 1): 2008
370.	Safety of household and similar electrical appliances	Construction	Clause (22) IS 302 (Part 1): 2008
371.	Safety of household and similar electrical appliances	Internal wiring	Clause (23) IS 302 (Part 1): 2008
372.	Safety of household and similar electrical appliances	Supply connection and external flexible cords	Clause (25) IS 302 (Part 1): 2008
373.	Safety of household and similar electrical appliances	Terminals for external conductors	Clause (26) IS 302 (Part 1): 2008



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	Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
374.	Safety of household and similar electrical appliances	Provision for earthing	Clause (27) IS 302 (Part 1): 2008	
375.	Safety of household and similar electrical appliances	Screw and connections	Clause (28) IS 302 (Part 1): 2008	
376.	Safety of household and similar electrical appliances	Clearance, creepage distances and solid insulation	Clause (29) IS 302 (Part 1): 2008	
377.	Safety of household and similar electrical appliances	Resistance to heat and fire	Clause (30) IS 302 (Part 1): 2008	
378.	Safety of household and similar electrical appliances	Resistance to rusting	Clause (31) IS 302 (Part 1): 2008	
379.	Safety of household and similar electrical appliances	Finish	Clause (33) IS 302 (Part 1): 2008	
380.	Safety of household and similar electrical appliances	Classification and rating	Clause (6) IEC 60335 (Part 1): 2020	
381.	Safety of household and similar electrical appliances	Marking and instruction	Clause (7) IEC 60335 (Part 1): 2020	
382.	Safety of household and similar electrical appliances	Protection against access to live parts	Clause (8) IEC 60335 (Part 1): 2020	
383.	Safety of household and similar electrical appliances	Starting of motor operated appliances	Clause (9) IEC 60335 (Part 1): 2020	
384.	Safety of household and similar electrical appliances	Power input and current	Clause (10) IEC 60335 (Part 1): 2020	
385.	Safety of household and similar electrical appliances	Temperature rise test	Clause (11) IEC 60335 (Part 1): 2020	



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		Electrical Testing	
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
386.	Safety of household and similar electrical appliances	Operation under overload conditions of appliances with heating elements	Clause (12) IEC 60335 (Part 1): 2020
387.	Safety of household and similar electrical appliances	Leakage current and electric strength at operating temperature	Clause (13) IEC 60335 (Part 1): 2020
388.	Safety of household and similar electrical appliances	Transient overvoltage	Clause (14) IEC 60335 (Part 1): 2020
389.	Safety of household and similar electrical appliances	Moisture resistance	Clause (15) IEC 60335 (Part 1): 2020
390.	Safety o <mark>f</mark> household and sim <mark>il</mark> ar electrical appliances	Leakage current and electric strength after humidity	Clause (16) IEC 60335 (Part 1): 2020
391.	Safety of household and similar electrical appliances	Abnormal operation	Clause (19) IEC 60335 (Part 1): 2020
392.	S <mark>afety</mark> of household and sim <mark>ilar el</mark> ectrical appliances	Stability and mechanical hazards	Clause (20) IEC 60335 (Part 1): 2020
393.	Safety of household and similar electrical appliances	Mechanical strength	Clause (21) IEC 60335 (Part 1): 2020
394.	Safety of household and similar electrical appliances	Construction	Clause (22) IEC 60335 (Part 1): 2020
395.	Safety of household and similar electrical appliances	Internal wiring	Clause (23) IEC 60335 (Part 1): 2020
396.	Safety of household and similar electrical appliances	Supply connection and external flexible cords	Clause (25) IEC 60335 (Part 1): 2020
397.	Safety of household and similar electrical appliances	Terminals for external conductors	Clause (26) IEC 60335 (Part 1): 2020



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Electrical Testing			
SI. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
398.	Safety of household and similar electrical appliances	Provision for earthing	Clause (27) IEC 60335 (Part 1): 2020
399.	Safety of household and similar electrical appliances	Screw and connections	Clause (28) IEC 60335 (Part 1): 2020
400.	Safety of household and similar electrical appliances	Clearance, creepage distances and solid insulation	Clause (29) IEC 60335 (Part 1): 2020
401.	Safety of household and similar electrical appliances	Resistance to heat and fire	Clause (30) IEC 60335 (Part 1): 2020
402.	Safety of household and similar electrical appliances	Resistance to rusting	Clause (31) IEC 60335 (Part 1): 2020
403.	Safety of household and similar electrical appliances	Finish	Clause (33) IEC 60335 (Part 1): 2020

