

Quality And Accreditation Institute

Centre for International Accreditation



Certificate of Accreditation

Accurate Test Solutions LLP

F-21, Sector-11
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/2024/0070

(Date of First Accreditation: 06 August 2024 - 05 August 2026)

Valid from: 06 August 2026

Valid until: 05 August 2028

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
1.	Safety of household and similar electrical appliances Part 2 Particular requirements Part 7 Domestic electric clothes washing machine (Second Revision)	Classification	Cl.No.6 IS 302 (Part 2/Sec 7) :2024
2.		Marking and Instructions	Cl.No.7 IS 302 (Part 2/Sec 7) :2024
3.		Protection against access to live Parts	Cl.8 IS 302 (Part 2/Sec 7) :2024
4.		Power Input and Current	Cl.No.10 IS 302 (Part 2/Sec 7) :2024
5.		Heating	Cl.No.11 IS 302 (Part 2/Sec 7) :2024
6.		Leakage Current and electric strength at operating temperature	Cl.No.13 IS 302 (Part 2/Sec 7) :2024
7.		Transient Overvoltage	Cl.No.14 IS 302 (Part 2/Sec 7) :2024
8.		Moisture resistance	Cl.No.15 IS 302 (Part 2/Sec 7) :2024
9.		Leakage current and electric strength	Cl.No.16 IS 302 (Part 2/Sec 7) :2024
10.		Overload Protection of Transformers and Associated Circuits	Cl.No.17 IS 302 (Part 2/Sec 7) :2024
11.		Endurance	Cl.No.18 IS 302 (Part 2/Sec 7) :2024
12.		Abnormal Operation	Cl.No.19 IS 302 (Part 2/Sec 7) :2024



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
13.		Stability and Mechanical Hazards	Cl.No.20 IS 302 (Part 2/Sec 7) :2024
14.		Mechanical Strength	Cl.No.21 IS 302 (Part 2/Sec 7) :2024
15.		Construction	Cl. No.22 IS 302 (Part 2/Sec 7) :2024
16.		Internal Wiring	Cl. No.23 IS 302 (Part 2/Sec 7) :2024
17.		Components	Cl. No. 24 IS 302 (Part 2/Sec 7) :2024
18.		Supply Connection and External Flexible Cords	Cl.No.25 IS 302 (Part 2/Sec 7) :2024
19.		Terminals for external conductors	Cl.No.26 IS 302 (Part 2/Sec 7) :2024
20.		Provision For Earthing	Cl.No.27 IS 302 (Part 2/Sec 7) :2024
21.		Screws and Connections	Cl. No.28 IS 302 (Part 2/Sec 7) :2024
22.		Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 302 (Part 2/Sec 7) :2024
23.		Resistance To Heat and Fire	Cl.No.30 IS 302 (Part 2/Sec 7) :2024
24.		Resistance To Rusting	Cl.No.31 IS 302 (Part 2/Sec 7) :2024
25.		Ageing test for elastomeric Parts	Annex BB IS 302 (Part 2/Sec 7) :2024



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
26.		Washing Machine Incorporated a Power-Driven Wringer	Annex DD IS 302 (Part 2/Sec 7) :2024
27.	Washing machines for household use-methods for measuring the performance (for cotton loads only)	Measurements to determine Washing performance	Cl. No.8.3, Cl. No.9.2 of IEC 60456:2010
28.		Measurements to determine water extraction performance	Cl. No.8.4, Cl. No.9.3 of IEC 60456:2010
29.		Measurements to determine rinsing performance	Cl.No.8.5, Cl.No.9.4 of IEC 60456:2010
30.		Measurements to determine water and energy consumption and programmer time	Cl. No. 8.6, Cl. No. 9.5 of IEC 60456:2010
31.	Toaster, Grills, Roaster	Classification	Cl.No.6 IS 302 (Part 2/Sec 9):2009
32.		Marking and Instructions	Cl.No.7 IS 302 (Part 2/Sec 9):2009
33.		Protection against access to live Parts	Cl.8 IS 302 (Part 2/Sec 9):2009
34.		Power Input and Current	Cl.No.10 IS 302 (Part 2/Sec 9):2009
35.		Heating	Cl.No.11 IS 302 (Part 2/Sec 9):2009
36.		Leakage Current and electric strength at operating temperature	Cl.No.13 IS 302 (Part 2/Sec 9):2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
37.	Toaster, Grills, Roaster	Transient Overvoltage	Cl.No.14 IS 302 (Part 2/Sec 9):2009
38.		Moisture resistance	Cl.No.15 IS 302 (Part 2/Sec 9):2009
39.		Leakage current and electric strength	Cl.No.16 IS 302 (Part 2/Sec 9):2009
40.		Overload Protection of Transformers and Associated Circuits	Cl.No.17 IS 302 (Part 2/Sec 9):2009
41.		Abnormal Operation	Cl.No.19 IS 302 (Part 2/Sec 9):2009
42.		Stability and Mechanical Hazards	Cl.No.20 IS 302 (Part 2/Sec 9):2009
43.		Mechanical Strength	Cl.No.21 IS 302 (Part 2/Sec 9):2009
44.		Construction	Cl. No.22 IS 302 (Part 2/Sec 9):2009
45.		Internal Wiring	Cl. No.23 IS 302 (Part 2/Sec 9):2009
46.		Components	Cl. No. 24 IS 302 (Part 2/Sec 9):2009
47.		Supply Connection and External Flexible Cords	Cl.No.25 IS 302 (Part 2/Sec 9):2009
48.		Terminals for external conductors	Cl.No.26 IS 302 (Part 2/Sec 9):2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
49.	Toaster, Grills, Roaster	Provision for earthing	Cl.No.27 IS 302 (Part 2/Sec 9):2009
50.		Screws and Connections	Cl. No.28 IS 302 (Part 2/Sec 9):2009
51.		Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 302 (Part 2/Sec 9):2009
52.		Resistance to Heat and Fire	Cl.No.30 IS 302 (Part 2/Sec 9):2009
53.		Resistance to Rusting	Cl.No.31 IS 302 (Part 2/Sec 9):2009
54.	Appliances for Skin or hair care	Classification	Cl.No.6 IS 302 (Part 2/Sec 23:2009 + AMD 1:2024
55.		Marking and Instructions	Cl.No.7 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
56.		Protection against access to live Parts	Cl.8 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
57.		Power Input and Current	Cl.No.10 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
58.		Heating	Cl.No.11 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
59.		Leakage Current and electric strength at operating temperature	Cl.No.13 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
60.		Transient Overvoltage	Cl.No.14 IS 302 (Part 2/Sec 23:2009 + AMD 1:2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
61.	Appliances for Skin or hair care	Moisture resistance	Cl.No.15 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
62.		Leakage current and electric strength	Cl.No.16 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
63.		Overload Protection of Transformers and Associated Circuits	Cl.No.17 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
64.		Abnormal Operation	Cl.No.19 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
65.		Stability and Mechanical Hazards	Cl.No.20 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
66.		Mechanical Strength	Cl.No.21 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
67.		Construction	Cl. No.22 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
68.		Internal Wiring	Cl. No.23 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
69.		Components	Cl. No. 24 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
70.		Supply Connection and External Flexible Cords	Cl.No.25 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
71.		Terminals for external conductors	Cl.No.26 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
72.	Appliances for Skin or hair care	Provision for Earthing	Cl.No.27 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
73.		Screws and Connections	Cl. No.28 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
74.		Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
75.		Resistance to Heat and Fire	Cl.No.30 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
76.		Resistance to Rusting	Cl.No.31 IS 302 (Part 2/Sec 23):2009 + AMD 1:2024
77.	Portable Immersion Heaters	Classification	Cl.No.6 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
78.		Marking and Instructions	Cl.No.7 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
79.		Protection against access to live Parts	Cl.8 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
80.		Power Input and Current	Cl.No.10 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
81.		Heating	Cl.No.11 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
82.		Leakage Current and electric strength at operating temperature	Cl.No.13 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
83.		Transient Overvoltage	Cl.No.14 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
84.		Moisture resistance	Cl.No.15 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
85.		Leakage current and Electric strength	Cl.No.16 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
86.		Overload Protection of Transformers and Associated Circuits	Cl.No.17 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
87.		Abnormal Operation	Cl.No.19 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
88.		Stability and Mechanical Hazards	Cl.No.20 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
89.		Mechanical Strength	Cl.No.21 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
90.		Construction	Cl. No.22 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
91.		Internal Wiring	Cl. No.23 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
92.	Portable Immersion Heaters	Components	Cl. No. 24 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
93.		Supply Connection and External Flexible Cords	Cl.No.25 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
94.		Terminals for external conductors	Cl.No.26 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
95.		Provision For Earthing	Cl.No.27 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
96.		Screws and Connections	Cl. No.28 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
97.		Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
98.		Resistance to Heat and Fire	Cl.No.30 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
99.		Resistance to Rusting	Cl.No.31 IS 302: Part 2: Sec 74:2024 (IEC 60335-2-74: 2021)
100.	Electric Immersion water Heater	Classification	Cl.No.6 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
101.		Marking and Instructions	Cl.No.7 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
102.	Electric Immersion water Heater	Protection against access to live Parts	Cl.8 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
103.		Power Input and Current	Cl.No.10 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
104.		Heating	Cl.No.11 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
105.		Leakage Current and electric strength at operating temperature	Cl.No.13 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
106.		Transient Overvoltage	Cl.No.14 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
107.		Moisture resistance	Cl.No.15 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
108.		Leakage current and electric strength	Cl.No.16 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
109.		Overload Protection of Transformers and Associated Circuits	Cl.No.17 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
110.		Abnormal Operation	Cl.No.19 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
111.		Stability and Mechanical Hazards	Cl.No.20 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
112.		Mechanical Strength	Cl.No.21 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
113.	Electric Immersion water Heater	Construction	Cl. No.22 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
114.		Internal Wiring	Cl. No.23 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
115.		Components	Cl. No. 24 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
116.		Supply Connection and External Flexible Cords	Cl.No.25 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
117.		Terminals for external conductors	Cl.No.26 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
118.		Provision for Earthing	Cl.No.27 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
119.		Screws and Connections	Cl. No.28 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
120.		Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
121.		Resistance to Heat and Fire	Cl.No.30 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
122.		Resistance to Rusting	Cl.No.31 IS 302 (Part 2/Sec 201):2008 + AMD 1: 2013
123.	Electric Immersion water Heater	Classification	Cl.No.6 IS 368: 2014 + AMD 1:2025
124.		Marking and Instructions	Cl.No.7 IS 368: 2014+ AMD 1:2025
125.		Protection against access to live Parts	Cl.8 IS 368: 2014+ AMD 1:2025
126.		Power Input and Current	Cl.No.10 IS 368: 2014+ AMD 1:2025
127.		Heating	Cl.No.11 IS 368: 2014+ AMD 1:2025
128.		Operation under Overload Conditions of Appliances with Heating Elements	Cl.No.12 IS 368: 2014+ AMD 1:2025
129.		Transient Overvoltage	Cl.No.14 IS 368: 2014+ AMD 1:2025
130.		Moisture resistance	Cl.No.15 IS 368: 2014+ AMD 1:2025
131.		Leakage current and electric strength	Cl.No.16 IS 368: 2014+ AMD 1:202



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	Domestic Electrical Appliances		
132.		Overload Protection of Transformers and Associated Circuits	Cl.No.17IS 368: 2014+ AMD 1:2025
133.	Electric Immersion water Heater	Endurance	Cl.No.18IS 368: 2014+ AMD 1:2025
134.		Abnormal Operation	Cl.No.19IS 368: 2014+ AMD 1:2025
135.		Stability and Mechanical Hazards	Cl.No.20IS 368: 2014+ AMD 1:2025
136.		Mechanical Strength	Cl.No.21 IS 368: 2014+ AMD 1:2025
137.		Construction	Cl. No.22 IS 368: 2014+ AMD 1:2025
138.		Internal Wiring	Cl. No.23 IS 368: 2014 + AMD 1:2025
139.		Components	Cl. No. 24IS 368: 2014 + AMD 1:2025
140.		Supply Connection and External Flexible Cords	Cl.No.25 IS 368: 2014 + AMD 1:2025
141.		Terminals for external conductors	Cl.No.26 IS 368: 2014 + AMD 1:2025
142.		Provision for earthing	Cl.No.27 IS 368: 2014 + AMD 1:2025



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
143.		Screws and Connections	Cl. No.28 IS 368: 2014 + AMD 1:2025
144.		Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 368: 2014+ AMD 1:2025
145.		Resistance To Heat and Fire	Cl.No.30IS 368: 2014+ AMD 1:2025
146.		Resistance to Rusting	Cl.No.31IS 368: 2014 + AMD 1:2025
147.		Classification	Cl.6 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
148.		Marking and Instructions	Cl.7 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
149.	Electric Fans	Protection against access to live Parts	Cl.8 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
150.		Power Input and Current	Cl.10 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
151.		Heating	Cl.11 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
152.		Leakage Current and electric strength at operating temperature	Cl.13 S 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
153.	Electric Fans	Transient Overvoltage	Cl.14 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
154.		Moisture Resistance	Cl.15 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
155.		Leakage Current and Electric Strength	Cl.16 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
156.		Overload Protection of Transformers and Associated Circuits	Cl.17 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
157.		Abnormal Operation	Cl.19 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
158.		Stability and Mechanical Hazards	Cl.20 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
159.		Mechanical Strength	Cl.21 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
160.		Construction	Cl.22 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
161.		Internal Wiring	Cl.23 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
162.		Components	Cl.24 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
163.	Electric Fans	Supply Connection and External Flexible Cords	Cl.25 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
164.		Terminals for External Conductors	Cl.26 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
165.		Provision for Earthing	Cl.27 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
166.		Screws and Connections	Cl.28 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023+ AMD 2:2025
167.		Clearances, Creepage Distances and Solid Insulation	Cl.29 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
168.		Resistance to Heat and Fire	Cl.30 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
169.		Resistance to Rusting	Cl.31 IS 302 (Part 2/Sec 80:2017 + AMD 1:2023 + AMD 2:2025
170.		Classification	Cl.No.6 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
171.	Household and Similar Electrical Appliances Safety Part 2 Particular Requirements Section 3 Electric Irons (Second Revision)	Marking and Instructions	Cl.No.7 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
172.		Protection against access to live Parts	Cl.8 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
173.		Power Input and Current	Cl.No.10 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
174.		Heating	Cl.No.11 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
175.		Charging of metal-ion batteries	Cl.No.12 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
176.		Leakage Current and electric strength at operating temperature	Cl.No.13 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
177.		Transient Overvoltage	Cl.No.14 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
178.		Moisture resistance	Cl.No.15 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
179.		Leakage current and Electric strength	Cl.No.16 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
180.	Household and Similar Electrical Appliances Safety Part 2 Particular Requirements Section 3 Electric Irons (Second Revision)	Overload Protection of Transformers and Associated Circuits	Cl.No.17 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
181.		Abnormal Operation	Cl.No.19 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
182.		Stability and Mechanical Hazards	Cl.No.20 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
183.		Mechanical Strength	Cl.No.21 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
184.		Construction	Cl. No.22 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
185.		Internal Wiring	Cl. No.23 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
186.		Components	Cl. No. 24 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
187.		Components	Cl. No. 24.1.3 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
188.	Household and Similar Electrical Appliances Safety Part 2 Particular Requirements Section 3 Electric Irons (Second Revision)	Supply Connection and External Flexible Cords	Cl.No.25 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
189.		Terminals for external conductors	Cl.No.26 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
190.		Provision For Earthing	Cl.No.27 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
191.		Screws and Connections	Cl. No.28 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
192.		Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
193.		Resistance To Heat and Fire	Cl.No.30 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3: 2022
194.		Resistance To Rusting	Cl.No.31 IS 302 (Part 2/Sec 3): 2024 IEC 60335-2-3:2022
195.	Electric iron	Rating	Cl.No.6 IS 366: 1991 + A1 to A6



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
196.	Electric iron	Classification	Cl.No.7 IS 366: 1991 + A1 to A6
197.		Marking	Cl.No.8 IS 366: 1991 + A1 to A6
198.		Safety Requirement	Cl.No.9 IS 366: 1991 + A1 to A6 & (Cl. 8 to Cl. 32) IS 302 (Part 2/Sec 3): 2024
199.		Measurement of Heating-Up Time	Cl.No.10 IS 366: 1991 + A1 to A6
200.		Measurement of Sole Plate Temperature	Cl.No.11 IS 366: 1991 + A1 to A6
201.		Measurement of Temperature Distribution	Cl.No.12 IS 366: 1991 + A1+A2+A3+A4+A5+A6
202.		Measurement of Initial Overswing Temperature and Heating-Up Excess Temperature	Cl.No.13 IS 366: 1991 + A1 to A6
203.		Measurement of Cyclic Fluctuation of Temperature	Cl.No.14 IS 366: 1991 + A1 to A6
204.		Drop Test	Cl.No.16 IS 366: 1991 + A1 to A6



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
205.		Finish	Cl.No.17 IS 366: 1991 + A1 to A6
206.		Test	Cl.No.18 IS 366: 1991 + A1 to A6
207.	Bottled Water Dispensers — Specification	Construction	Cl.No.4 IS 17681: 2022+AMD 1:2024
208.		Refrigeration System	Cl.No.5 IS 17681: 2022+AMD 1:2024
209.		Safety Requirements	Cl.No.6 IS 17681: 2022+AMD 1:2024
210.		Sound Pressure Level	Cl.No.7 IS 17681: 2022+AMD 1:2024
211.		General Conditions of Tests	Cl.No.8 IS 17681: 2022+AMD 1:2024
212.		Measurement	Cl.No.9 IS 17681: 2022+AMD 1:2024
213.		Performance tests (Cooling Capacity Test)	Cl.No.10.1 IS 17681: 2022+AMD 1:2024
214.		Performance tests (Maximum Operating Condition Test (Environmental))	Cl.No.10.2 IS 17681: 2022+AMD 1:2024
215.		Performance tests Maximum Operating Condition Test (Voltage)	Cl.No.10.3 IS 17681: 2022+AMD 1:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
216.		Performance tests Heating Capacity Test	Cl.No.10.4 IS 17681: 2022+AMD 1:2024
217.		Performance tests Annual Energy Consumption Test	Cl.No.10.5 IS 17681: 2022+AMD 1:2024
218.		Performance tests Freeze-up Test	Cl.No.10.6 IS 17681: 2022+AMD 1:2024
219.		Performance tests Door Opening and Closing Test	Cl.No.10.7 IS 17681: 2022+AMD 1:2024
220.		Performance tests Door Seal Test	Cl.No.10.8 IS 17681: 2022+AMD 1:2024
221.		Performance tests Pull-down Test	Cl.No.10.9 IS 17681: 2022+AMD 1:2024
222.		Marking And Instruction	Cl.No.11 IS 17681: 2022+AMD 1:2024
223.	Mineral Filled Sheathed Heating Elements	Classification	Cl.No.6 IS 4159:2021
224.		Marking and Instructions	Cl.No.7 IS 4159:2021
225.		Protection against access to live parts	Cl.8 IS 4159:2021
226.		Power Input and Current	Cl.No.10 IS 4159:2021



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
227.		Heating	Cl.No.11 IS 4159:2021
228.		Leakage Current and electric strength at operating temperature	Cl.No.13 IS 4159:2021
229.	Mineral Filled Sheathed Heating Elements	Transient Overvoltage	Cl.No.14 IS 4159:2021
230.		Moisture resistance	Cl.No.15 IS 4159:2021
231.		Leakage current and Electric strength	Cl.No.16 IS 4159:2021
232.		Endurance	Cl.18 IS 4159:2021
233.		Abnormal Operation	Cl.No.19 IS 4159:2021
234.		Stability and Mechanical Hazards	Cl.No.20 IS 4159:2021
235.		Mechanical Strength	Cl.No.21 IS 4159:2021
236.		Construction	Cl. No.22 IS 4159:2021
237.		Internal Wiring	Cl. No.23 IS 4159:2021
238.		Components	Cl. No. 24 IS 4159:2021
239.		Supply Connection and External Flexible Cords	Cl.No.25 IS 4159:2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
240.		Terminals for external conductors	Cl.No.26 IS 4159:2021
241.		Provision For Earthing	Cl.No.27 IS 4159:2021
242.		Screws and Connections	Cl. No.28 IS 4159:2021
243.	Mineral Filled Sheathed Heating Elements	Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 4159:2021
244.		Resistance To Heat and Fire	Cl.No.30 IS 4159:2021
245.		Resistance To Rusting	Cl.No.31 IS 4159:2021
246.	Electric Food-Mixers (Liquidizers, Grinders & Centrifugal Juicers)	Classification	Cl.No.6 IS 4250: 2025
247.		Marking	Cl.No.7 IS 4250: 2025
248.		Safety Requirement	Cl.8 IS 4250: 2025 & (Cl. 8 to Cl. 32) IS 302 (PART 2/SEC 14): 2009
249.		Endurance for motor and base assembly	Cl.No.9 IS 4250:2025
250.		Operational test	Cl.No.10 IS 4250:2025
251.		Temperature withstand test for bowl	Cl.No.11 IS 4250:2025

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
252.	Safety of household and similar electrical appliances: Part 2 Particular requirements. Section 14 Electric kitchen machines	Test for control	Cl.No.12 IS 4250:2025
253.		Strength of assembly	Cl.No.13 IS 4250:2025
254.		Classification	Cl.No.6 IS 302 (PART 2/SEC 14) :2009
255.		Marking and Instructions	Cl.No.7 IS 302 (Part 2/Sec 14):2009
256.		Protection against access to live parts	Cl.8 IS 302 (PART 2/SEC 14) :2009
257.		Power Input and Current	Cl.No.10 IS 302 (PART 2/SEC 14) :2009
258.		Heating	Cl.No.11 IS 302 (PART 2/SEC 14) :2009
259.		Leakage Current and electric strength at operating temperature	Cl.No.13 IS 302 (PART 2/SEC 14) :2009
260.		Transient Overvoltage	Cl.No.14 IS 302 (PART 2/SEC 14) :2009
261.		Moisture resistance	Cl.No.15 IS 302 (PART 2/SEC 14) :2009



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
262.		Leakage current and Electric strength	Cl.No.16 IS 302 (PART 2/SEC 14) :2009
263.		Overload Protection of Transformers and Associated Circuits	Cl.No.17 IS 302 (PART 2/SEC 14) :2009
264.		Abnormal Operation	Cl.No.19 IS 302 (PART 2/SEC 14) :2009
265.		Stability and Mechanical Hazards	Cl.No.20 IS 302 (PART 2/SEC 14) :2009
266.		Mechanical Strength	Cl.No.21 IS 302 (PART 2/SEC 14) :2009
267.		Construction	Cl. No.22 IS 302 (PART 2/SEC 14):2009
268.		Internal Wiring	Cl. No.23 IS 302 (PART 2/SEC 14):2009
269.		Components	Cl. No.24 IS 302 (PART 2/SEC 14):2009
270.		Supply Connection and External Flexible Cords	Cl.No.25 IS 302 (PART 2/SEC 14) :2009
271.		Terminals for external conductors	Cl.No.26 IS 302 (PART 2/SEC 14) :2009
272.		Provision For Earthing	Cl.No.27 IS 302 (PART 2/SEC 14): 2009
273.		Screws and Connections	Cl. No.28 IS 302 (PART 2/SEC 14): 2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
274.		Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 302 (PART 2/SEC 14): 2009
275.		Resistance To Heat and Fire	Cl.No.30 IS 302 (PART 2/SEC 14): 2009
276.		Resistance To Rusting	Cl.No.31 IS 302 (PART 2/SEC 14) :2009
277.	Safety of household and similar electrical appliances: Part 2 Particular requirements, Section 31 Range Hoods	Classification	Cl.No.6 IS 302: Part 2: SEC 31: 2009
278.		Marking and Instructions	Cl.No.7 IS 302: Part 2: SEC 31: 2009
279.		Protection against access to live parts	Cl.8 IS 302: Part 2: SEC 31: 2009
280.		Power Input and Current	Cl.No.10 IS 302: Part 2: SEC 31: 2009
281.		Heating	Cl.No.11 IS 302: Part 2: SEC 31: 2009
282.		Leakage Current and electric strength at operating temperature	Cl.No.13 IS 302: Part 2: SEC 31: 2009
283.		Transient Overvoltage	Cl.No.14 IS 302: Part 2: SEC 31: 2009
284.		Moisture resistance	Cl.No.15 IS 302: Part 2: SEC 31: 2009
285.		Leakage current and Electric strength	Cl.No.16 IS 302: Part 2: SEC 31: 2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
286.		Overload Protection of Transformers and Associated Circuits	Cl.No.17 IS 302: Part 2: SEC 31: 2009
287.		Abnormal Operation	Cl.No.19 IS 302: Part 2: SEC 31: 2009
288.		Stability and Mechanical Hazards	Cl.No.20 IS 302: Part 2: SEC 31: 2009
289.	Safety of household and similar electrical appliances: Part 2 Particular requirements, Section 31 Range Hoods	Mechanical Strength	Cl.No.21 IS 302: Part 2: SEC 31: 2009
290.		Construction	Cl. No.22 IS 302: Part 2: SEC 31: 2009
291.		Internal Wiring	Cl. No.23 IS 302: Part 2: SEC 31: 2009
292.		Components	Cl. No. 24 IS 302: Part 2: SEC 31: 2009
293.		Supply Connection and External Flexible Cords	Cl.No.25 IS 302: Part 2: SEC 31: 2009
294.		Terminals for external conductors	Cl.No.26 IS 302: Part 2: SEC 31: 2009
295.		Provision For Earthing	Cl.No.27 IS 302: Part 2: SEC 31: 2009
296.		Screws and Connections	Cl. No.28 IS 302: Part 2: SEC 31: 2009



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	Domestic Electrical Appliances		
297.		Clearances, Creepage Distances and Solid Insulation	Cl. No.29 IS 302: Part 2: SEC 31: 2009
298.		Resistance To Heat and Fire	Cl.No.30 IS 302: Part 2: SEC 31: 2009
299.		Resistance To Rusting	Cl.No.31 IS 302: Part 2: SEC 31: 2009
300.	Evaporative air cooler (desert coolers) --- specification	Classification	Cl.No.4 IS 3315: 2024+A1 2026
301.		Construction	Cl.No.5 IS 3315: 2024+A1 2026
302.		Rating Requirement	Cl.No.6 IS 3315: 2024+A1 2026
303.		Test Conditions	Cl.No.7 IS 3315: 2024+A1 2026
304.		Performance Requirements	Cl.No.8 IS 3315: 2024+A1 2026
305.		Sound Test	Cl.No.8.2 IS 3315: 2024+A1 2026
306.		Air Delivery (Air Flow) Test	Cl.No.8.3 IS 3315: 2024+A1 2026



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
307.		Cooling Efficiency Test	Cl.No.8.4 IS 3315: 2024+A1 2026
308.		Power Consumption	Cl.No.8.5 IS 3315: 2024+A1 2026
309.		EER Calculation Method	Cl.No.8.6 IS 3315: 2024+A1 2026
310.		Drop Test	Cl.No.8.7 IS 3315: 2024+A1 2026
311.	Evaporative air cooler (desert coolers) --- specification	Air Cooler Blower/Fan Reliability Test	Cl.No.8.8 IS 3315: 2024+A1 2026
312.		High revolution per minute	Cl.No.8.8 (a) IS 3315: 2024+A1 2026
313.		Endurance test	Cl.No.8.8 (b) IS 3315: 2024+A1 2026
314.		Creep test	Cl.No.8.8 (c) IS 3315: 2024+A1 2026
315.		Accuracy of Instruments	Cl.No.9 IS 3315: 2024+A1 2026
316.		Test Chamber	Cl.No.10 IS 3315: 2024+A1 2026
317.		Calculation of Air flow	Cl.No.11 IS 3315: 2024+A1 2026



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
318.	Evaporative air cooler (desert coolers) --- specification	Tests	Cl.No.12 IS 3315: 2024+A1 2026
319.		Routine tests	Cl.No.12.1 IS 3315: 2024+A1 2026
320.		Type tests	Cl.No.12.2 IS 3315: 2024+A1 2026
321.		General Running Test	Cl.No.12.2.1 IS 3315: 2024+A1 2026
322.		Protection against Electric Shock	Cl.No.12.2.2 IS 3315: 2024+A1 2026
323.		Routine Tests High Voltage Test	Cl.No.12.2.3 IS 3315: 2024+A1 2026
324.		Leakage Current	Cl.No.12.2.4 IS 3315: 2024+A1 2026
325.		Earthing Connections Test	Cl.No.12.2.5 IS 3315: 2024+A1 2026
326.		Finish	Cl.No.12.2.6 IS 3315: 2024+A1 2026
327.		Type Tests	Cl.No.12.3 IS 3315: 2024+A1 2026
328.		Verification of marking as specified in 7 of IS 302 (Part 1)	Cl.No.12.3 (a) IS 3315: 2024+A1 2026



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	Domestic Electrical Appliances		
329.		Air delivery test	Cl.No.12.3 (b) IS 3315: 2024+A1 2026
330.		Cooling efficiency	Cl.No.12.3 (c) IS 3315: 2024+A1 2026
331.		Power consumption test	Cl.No.12.3 (d) IS 3315: 2024+A1 2026
332.		Energy efficiency ratio	Cl.No.12.3 (e) IS 3315: 2024+A1 2026
333.		Additional Requirements For ECO-Mark	Cl.No.13 IS 3315: 2024+A1 2026
334.	Evaporative air cooler (desert coolers) --- specification	Noise Level	Cl.No.13.3 IS 3315: 2024+A1 2026
335.		Instructions	Cl.No.13.4 IS 3315: 2024+A1 2026
336.		Energy Consumption	Cl.No.13.5 IS 3315: 2024+A1 2026
337.		Packing	Cl.No.13.6 IS 3315: 2024+A1 2026
338.		Storage	Cl.No.14 IS 3315: 2024+A1 2026
339.		Marking And Information	Cl.No.15 IS 3315: 2024+A1 2026



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
1.	AC Motor Run Capacitor	Routine tests	Cl. 5.4.1 a) Sealing test IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+ AMD 1: 2013
2.		Routine tests	Cl. 5.4.1 b) Voltage test between terminals IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+ AMD 1: 2013
3.		Routine tests	Cl. 5.4.1 c) Voltage test between terminals and case IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+ AMD 1: 2013
4.		Routine tests	Cl. 5.4.1 d) Visual examination IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
5.		Routine tests	Cl. 5.4.1 e) Capacitance measurement IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
6.		Routine tests	Cl. 5.4.1 f) Tangent of loss angle IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
7.		Tangent of loss angle	Cl. 5.5 Tangent of loss angle IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
8.	AC Motor Run Capacitor	Visual examination	Cl. 5.6 Visual examination IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
9.		Voltage test between terminals	Cl. 5.7 Voltage test between terminals IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+ AMD 1: 2013
10.		Voltage test between terminals and case	Cl. 5.8 Voltage test between terminals and case IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+ AMD 1: 2013
11.		Capacitance measurement	Cl. 5.9 Capacitance measurement IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
12.		Check of dimensions	Cl. 5.10 Check of dimensions IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
13.		Mechanical tests	Cl. 5.11 Mechanical tests IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
14.		Sealing test	Cl. 5.12 Sealing test IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+ AMD 1: 2013



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
15.	AC Motor Run Capacitor	Endurance test	Cl. 5.13 Endurance test IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
16.		Damp heat test	Cl. 5.14 Damp heat test IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
17.		Self-healing test	Cl. 5.15 Self-healing test IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
18.		Destruction test	Cl. 5.16 Destruction test IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
19.		Resistance to heat, fire and tracking	Cl. 5.17 Resistance to heat, fire and tracking IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
20.		Permissible overloads	Cl. 6 Permissible overloads IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+AMD 1: 2013
21.		Safety requirements	Cl. 7 Safety requirements IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+ AMD 1: 2013



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
22.	AC Motor Run Capacitor	Marking	Cl. 8 Marking IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+ AMD 1: 2013
23.		Guidance for installation and operation	Cl. 9 Guidance for installation and operation IS 2993 (Part 1): 2024+AMD 1:2024 IEC 60252-1:2010+ AMD 1: 2013
24.	AC Motor Start Capacitors	Routine tests	Cl. 5.1.4.1 a) Sealing test IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+ AMD 1: 2013
25.		Routine tests	Cl. 5.1.4.1 b) Voltage test between terminals IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
26.		Routine tests	Cl. 5.1.4.1 c) Voltage test between terminals and case IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+ AMD 1: 2013
27.		Routine tests	Cl. 5.1.4.1 d) Visual examination IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
28.	AC Motor Start Capacitors	Routine tests	Cl. 5.1.4.1 e) Capacitance measurement IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
29.		Routine tests	Cl. 5.1.4.1 f) Tangent of loss angle IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
30.		Tangent of loss angle	Cl. 5.1.5 Tangent of loss angle IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
31.		Visual examination	Cl. 5.1.6 Visual examination IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
32.		Voltage test between terminals	Cl. 5.1.7 Voltage test between terminals IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
33.		Voltage test between terminals and case	Cl. 5.1.8 Voltage test between terminals and case IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
34.		Capacitance measurement	Cl. 5.1.9 Capacitance measurement IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
35.	AC Motor Start Capacitors	Check of dimensions	Cl. 5.1.10 Check of dimensions IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
36.		Mechanical tests	Cl. 5.1.11 Mechanical tests IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
37.		Sealing test	Cl. 5.1.12 Sealing test IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
38.		Endurance test	Cl. 5.1.13 Endurance test IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
39.		Damp heat test	Cl. 5.1.14 Damp heat test IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
40.		Self-healing test	Cl. 5.1.15 Self-healing test IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
41.		Destruction test	Cl. 5.1.16 Destruction test IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
42.		Resistance to heat, fire and tracking	Cl. 5.1.17 Resistance to heat, fire and tracking IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
43.	AC Motor Start Capacitors	Overloads	Cl. 5.2 Overloads IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
44.		Safety requirements	Cl. 5.3 Safety requirements IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
45.		Marking	Cl. 5.4 Marking IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
46.		Routine tests	Cl. 6.1.4.1 a) Sealing test IS 2993 (Part 2):2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
47.		Routine tests	Cl. 6.1.4.1 b) Voltage test between terminals IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
48.		Routine tests	Cl. 6.1.4.1 c) Voltage test between terminals and case IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
49.		Routine tests	Cl. 6.1.4.1 d) Visual examination IS 2993 (Part 2):2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
50.	AC Motor Start Capacitors	Routine tests	Cl. 6.1.4.1 e) Capacitance and power factor measurement IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
51.		Visual examination	Cl. 6.1.5 Visual examination IS 2993 (Part 2):2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
52.		Voltage test between the terminals	Cl. 6.1.6 Voltage test between the terminals IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
53.		Voltage test between terminals and case	Cl. 6.1.7 Voltage test between terminals and case IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
54.		Capacitance and power factor measurement	Cl. 6.1.8 Capacitance and power factor measurement IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
55.		Check of dimensions	Cl. 6.1.9 Check of dimensions IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
56.		Mechanical tests	Cl. 6.1.10 Mechanical tests IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
57.	AC Motor Start Capacitors	Sealing test	Cl. 6.1.11 Sealing test IS 2993 (Part 2):2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
58.		Endurance test	Cl. 6.1.12 Endurance test IS 2993 (Part 2):2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
59.		Damp heat test	Cl. 6.1.13 Damp heat test IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
60.		Pressure relief test	Cl. 6.1.14 Pressure relief test IS 2993 (Part 2):2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
61.		Resistance to heat, fire and tracking	Cl. 6.1.15 Resistance to heat, fire and tracking IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
62.		Overloads	Cl. 6.2 Overloads IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013
63.		Safety requirements	Cl. 6.3 Safety requirements IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+ AMD 1: 2013
64.		Marking	Cl. 6.4 Marking IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitors		
65.	AC Motor Start Capacitors	Guidance for installation and operation	Cl. 7 Guidance for installation and operation IS 2993 (Part 2): 2024+AMD 1:2024 IEC 60252-2:2010+AMD 1: 2013



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rotating Electrical Machines & Accessories		
1.	Single-phase a. c. Industrial Motors	Rated Conditions of Voltage, Frequency, Output and Speed of Motor	Cl.4 IS 996: 2009
2.		Site Conditions	Cl.5 IS 996: 2009
3.		Environment	Cl.6 IS 996: 2009
4.		Dimensions	Cl.7 IS 996: 2009
5.		Duty and Rating	Cl.8 IS 996: 2009
6.		General Construction	Cl.9 IS 996: 2009
7.		Type of Enclosure	Cl.10 IS 996: 2009
8.		Method of Cooling	Cl.11 IS 996: 2009
9.		General Characteristics	Cl.12 IS 996: 2009
10.		High Voltage	Cl.13.1 IS 996: 2009
11.		Moisture Proofness	Cl. 13.2 IS 996: 2009
12.		Leakage Current	Cl.13.3 IS 996: 2009
13.		Terminal Marking	Cl.14 IS 996: 2009



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rotating Electrical Machines & Accessories		
14.		Criteria for labelling Environment Friendly products.	Cl.15 IS 996: 2009
15.		Marking and Diagram of Connections	Cl.16 IS 996: 2009
16.		Tests	Cl.17 IS 996: 2009
17.	Single Phase a.c. Induction Motors for General Purpose	Rated Conditions of Voltage, Frequency, Output and Speed of Motor	Cl.4 IS 996: 2025
18.		Site Conditions	Cl.5 IS 996: 2025
19.		Environment	Cl.6 IS 996: 2025
20.		Dimensions	Cl.7 IS 996: 2025
21.		Duty and Rating	Cl.8 IS 996: 2025
22.		General Construction	Cl.9 IS 996: 2025
23.		Type of Enclosure	Cl.10 IS 996: 2025
24.		Method of Cooling	Cl. 11 IS 996: 2025
25.		General Characteristics	Cl.12 IS 996: 2025
26.		High Voltage	Cl.13.1 IS 996: 2025



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rotating Electrical Machines & Accessories		
27.	Single Phase a.c. Induction Motors for General Purpose	Moisture Proofness	Cl.13.2 IS 996: 2025
28.		Leakage Current	Cl.13.3 IS 996: 2025
29.		Winding resistance measurement	Cl.14 IS 996: 2025
30.		Reduced voltage running up test at no load	Cl.15 IS 996: 2025
31.		Marking and Diagram of Connections	Cl.16 IS 996: 2025
32.		Over speed test	Cl.17 IS 996: 2025
33.		Terminal Marking	Cl. 18 IS 996: 2025
34.		Criteria for labelling Environment Friendly products.	Cl..19 IS 996: 2025
35.		Marking and Diagram of Connections	Cl. 20 IS 996: 2025
36.		Tests	Cl. 21 IS 996: 2025



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Miscellaneous		
1.	Automatic Electrical Controls for Household and Similar Use Part 2 Particular Requirements Section 9 Temperature Sensing Controls	Rating	Cl.No.5 IS/IEC 60730: Part 2: Sec 9: 2011
2.		Classification	Cl.No.6 (6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 6.11, 6.12, 6.13, 6.14, 6.15, 6.16) IS/IEC 60730: Part 2: Sec 9: 2011
3.		Information	Cl.7 IS/IEC 60730: Part 2: Sec 9: 2011
4.		Protection against electric shock	Cl.8 IS/IEC 60730: Part 2: Sec 9: 2011
5.		Provision for protective earthing	Cl.No.9 IS/IEC 60730: Part 2: Sec 9: 2011
6.		Terminals and terminations	Cl.No.10 IS/IEC 60730: Part 2: Sec 9: 2011
7.		Constructional requirements	Cl.No.11 IS/IEC 60730: Part 2: Sec 9: 2011
8.		Moisture and dust resistance	Cl.No.12 IS/IEC 60730: Part 2: Sec 9: 2011
9.		Electric strength and insulation resistance	Cl.No.13 IS/IEC 60730: Part 2: Sec 9: 2011
10.		Heating	Cl.No.14 IS/IEC 60730: Part 2: Sec 9: 2011
11.		Manufacturing deviation and drift	Cl.No.15 IS/IEC 60730: Part 2: Sec 9: 2011



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Miscellaneous		
12.		Environmental stress	Cl.No.16 IS/IEC 60730: Part 2: Sec 9: 2011
13.		Endurance	Cl.No.17 IS/IEC 60730: Part 2: Sec 9: 2011
14.		Mechanical strength	Cl.No.18 IS/IEC 60730: Part 2: Sec 9: 2011
15.		Threaded Parts and connections	Cl.No.19 IS/IEC 60730: Part 2: Sec 9: 2011
16.		Creepage distances, clearances and distances through solid insulation	Cl. No.20 IS/IEC 60730: Part 2: Sec 9: 2011
17.		Fire hazard testing	Cl. No.21 IS/IEC 60730: Part 2: Sec 9: 2011
18.		Resistance to corrosion	Cl. No. 22 IS/IEC 60730: Part 2: Sec 9: 2011
19.		Components	Cl.No.24 IS/IEC 60730: Part 2: Sec 9: 2011
20.		Normal operation	Cl.No.25 IS/IEC 60730: Part 2: Sec 9: 2011
21.		Abnormal operation	Cl.No.27 IS/IEC 60730: Part 2: Sec 9: 2011
22.		Guidance on the use of electronic disconnection	Cl.No.28 IS/IEC 60730: Part 2: Sec 9: 2011



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance Durability/Safety Test		
1.	Domestic Gas Stove and Built in Hob for Use with LPG - Specification	General	Cl. 4 IS 4246: 2002
2.		Materials	Cl.5 IS 4246: 2002
3.		Design for Maintenance	Cl.6 IS 4246: 2002
4.		Rigidity and Stability	Cl.7 IS 4246: 2002
5.		Workmanship And Finish	Cl.8 IS 4246: 2002
6.		Gas Taps	Cl.9 IS 4246: 2002
7.		Injector Jets	Cl.10 IS 4246: 2002
8.		Burners	Cl.11 IS 4246: 2002
9.		Burner Pan Supports	Cl.12 IS 4246: 2002
10.		Gas Soundness	Cl.13.1 IS 4246: 2002
11.		Gas Leak Detector	Cl.13.2 IS 4246: 2002
12.		Gas Inlet Connections	Cl.14 IS 4246: 2002
13.		Strength And Rigidity	Cl. 15 IS 4246: 2002
14.		General Conditions of Test	Cl.16 IS 4246: 2002



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance Durability/Safety Test		
15.	Domestic Gas Stove and Built in Hob for Use with LPG - Specification	Gas Consumption	Cl.17 IS 4246: 2002
16.		Ignition And Flame Travel	Cl.18 IS 4246: 2002
17.		Ignition and Flame Travel	Cl. 19 IS 4246: 2002
18.		Noise Control	Cl.20 IS 4246: 2002
19.		Flash Back	Cl.21 IS 4246: 2002
20.		Formation of Soot	Cl. 22 IS 4246: 2002
21.		Resistance to Draught	Cl. 23 IS 4246: 2002
22.		Combustion	Cl.24 IS 4246: 2002
23.		Fire Hazard and Limiting Temperature	Cl.25 IS 4246: 2002
24.		Thermal Efficiency	Cl.26 IS 4246: 2002
25.		Classification of Tests	Cl.27 IS 4246: 2002
26.		Instructions	Cl.28 IS 4246: 2002
27.		Marking	Cl.29 IS 4246: 2002
28.		Packing	Cl.30 IS 4246: 2002

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Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Accurate Test Solutions LLP

F-21, Sector-11

Noida-201301, Uttar Pradesh, India

QAI/CIA/TL/2024/0070

Date of First Accreditation: 06 August 2024 - 05 August 2026

Valid from.: 06 August 2026

Valid until.: 05 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance Durability/Safety Test		
29.	Domestic Gas Stove and Built in Hob for Use with LPG – Specification	General	Cl.4 IS 4246: 2025
30.		Materials	Cl.5 IS 4246: 2025
31.		Design for Maintenance	Cl.6 IS 4246: 2025
32.		Rigidity And Stability	Cl.7 IS 4246: 2025
33.		Workmanship and Finish	Cl.8 IS 4246: 2025
34.		Gas Taps	Cl.9 IS 4246: 2025
35.		Injector Jets	Cl.10 IS 4246: 2025
36.		Burners	Cl.11 IS 4246: 2025
37.		Burner Pan Supports	Cl.12 IS 4246: 2025
38.		Gas Soundness	Cl.13. IS 4246: 2025
39.		Gas Leak Detector	Cl.13.2 IS 4246: 2025
40.		Gas Inlet Connections	Cl.14 IS 4246: 2025
41.		Strength And Rigidity	Cl.15 IS 4246: 2025
42.		General Conditions of Test	Cl.16 IS 4246: 2025
43.		Gas Consumption	Cl.17 IS 4246: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance Durability/Safety Test		
44.	Domestic Gas Stove and Built in Hob for Use with LPG – Specification	Ignition and Flame Travel	Cl.18 IS 4246: 2025
45.		Flame Stability	Cl.19 IS 4246: 2025
46.		Noise Control	Cl.20 IS 4246: 2025
47.		Flash Back	Cl.21 IS 4246: 2025
48.		Formation of Soot	Cl.22 IS 4246: 2025
49.		Resistance to Draught	Cl.23 IS 4246: 2025
50.		Combustion	Cl.24 IS 4246: 2025
51.		Fire Hazard and Limiting Temperature	Cl.25 IS 4246: 2025
52.		Thermal Efficiency	Cl.26 IS 4246: 2025
53.		Classification Of Tests	Cl.27 IS 4246: 2025
54.		Instructions	Cl.28 IS 4246: 2025
55.		Marking	Cl.29 IS 4246: 2025
56.		Packing	Cl.30 IS 4246: 2025

