

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
Delhi-110042, 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/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

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.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor- compressor	Marking and Instructions	Cl.7 of IEC 60335-2- 89: 2019
2.		Protection against access to live parts	Cl.8 of IEC 60335-2- 89: 2019
3.		Starting of motor-operated appliances	Cl.9 of IEC 60335-2-89: 2019
4.		Power Input and Current	Cl.10 of IEC 60335-2-89: 2019
5.		Heating	Cl.11 of IEC 60335- 2-89: 2019
6.		Leakage current and electric strength at operating temperature	Cl.13 of IEC 60335-2-89: 2019
7.		Transient overvoltages	Cl.14 of IEC 60335-2-89: 2019
8.		Moisture resistance	Cl.15 of IEC 60335-2-89: 2019
9.		Leakage current and electric strength	Cl.16 of IEC 60335-2-89: 2019
10.		Overload protection of transformers and associated circuits	Cl.17 of IEC 60335-2-89: 2019
11.		Endurance	Cl.18 of IEC 60335-2-89: 2019
12.		Abnormal operation	Cl.19 of IEC 60335-2-89: 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
13.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Stability and mechanical hazards	Cl.20 of IEC 60335-2-89: 2019
14.		Mechanical strength	Cl.21 of IEC 60335-2-89: 2019
15.		Construction	Cl.22 of IEC 60335-2-89: 2019
16.		Internal Wiring	Cl.23 of IEC 60335-2-89: 2019
17.		Components	Cl.24 of IEC 60335-2-89: 2019
18.		Supply connection and external flexible cords	Cl.25 of IEC 60335-2-89: 2019
19.		Terminals for external conductors	Cl.26 of IEC 60335-2-89: 2019
20.		Provision for earthing	Cl.27 of IEC 60335-2-89: 2019
21.		Screws and connections	Cl.28 of IEC 60335-2-89: 2019
22.		Clearances, Creepage distances and solid insulation	Cl.29 of IEC 60335-2-89: 2019
23.		Resistance to heat and fire	Cl.30 of IEC 60335- 2-89: 2019
24.		Resistance to rusting	Cl.31 of IEC 60335-2-89: 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
25.	Safety of Household and Similar Electrical appliance	Classification	Cl.6 of IS 302 (Part 1):2024/ IEC 60335-1:2020
26.		Marking and Instruction	Cl.7 of IS 302 (Part 1):2024/ IEC 60335-1:2020
27.		Protection against access to live Parts	Cl.8 of IS 302 (Part 1):2024/ IEC 60335-1:2020
28.		Starting of Motor Operated Appliances	Cl.9 of IS 302 (Part 1):2024/ IEC 60335-1:2020
29.		Power Input & Current	Cl.10 of IS 302 (Part 1):2024/ IEC 60335-1:2020
30.		Heating	Cl.11 of IS 302 (Part 1):2024/ IEC 60335-1:2020
31.		Leakage Current & Electric Strength of operating Temperature	Cl.13 of IS 302 (Part 1):2024/ IEC 60335-1:2020
32.		Transient Overvoltages	Cl.14 of IS 302 (Part 1):2024/ IEC 60335-1:2020
33.		Moisture Resistance	Cl.15 of IS 302 (Part 1):2024/ IEC 60335-1:2020
34.		Leakage Current and Electric Strength	Cl.16 of IS 302 (Part 1):2024/ IEC 60335-1:2020
35.		Overload Protection of Transformers & Associated	Cl.17 of IS 302 (Part 1):2024/ IEC 60335-1:2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
36.	Safety of Household and Similar Electrical appliance	Endurance	Cl.18 of IS 302 (Part 1):2024/ IEC 60335-1:2020
37.		Abnormal Operation	Cl.19 of IS 302 (Part 1):2024/ IEC 60335-1:2020
38.		Stability & Mechanical Hazards	Cl.20 of IS 302 (Part 1):2024/ IEC 60335-1:2020
39.		Mechanical Strength	Cl.21 of IS 302 (Part 1):2024/ IEC 60335-1:2020
40.		Construction	Cl.22 of IS 302 (Part 1):2024/ IEC 60335-1:2020
41.		Internal Wiring	Cl.23 of IS 302 (Part 1):2024/ IEC 60335-1:2020
42.		Component	Cl.24 of IS 302 (Part 1):2024/ IEC 60335-1:2020
43.		Supply Connection and External Flexible Cords	Cl.25 of IS 302 (Part 1):2024/ IEC 60335-1:2020
44.		Terminal for External Conductor	Cl.26 of IS 302 (Part 1):2024/ IEC 60335-1:2020
45.		Provision for Earthing	Cl.27 of IS 302 (Part 1):2024/ IEC 60335-1:2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
46.	Safety of Household and Similar Electrical appliance	Screw and Connections	Cl.28 of IS 302 (Part 1):2024/ IEC 60335-1:2020
47.		Clearances, Creepage Distance and solid Insulation	Cl.29 of IS 302 (Part 1):2024/ IEC 60335-1:2020
48.		Resistance to Heat and Fire	Cl.30 of IS 302 (Part 1):2024/ IEC 60335-1:2020
49.		Resistance to Rusting	Cl.31 of IS 302 (Part 1):2024/ IEC 60335-1:2020
50.		Radiation, Toxicity and Similar Hazards	Cl.32 of IS 302 (Part 1):2024/ IEC 60335-1:2020
51.	Domestic Electric Clothes Washing machine	Classification	Cl.6 of IS 302-2-7 :2024
52.		Marking and Instruction	Cl.7 of IS 302-2-7 :2024
53.		Protection against access to live parts	Cl.8 of IS 302-2-7 :2024
54.		Starting of Motor operated appliances	Cl.9 of IS 302-2-7 :2024
55.		Power Input and Current	Cl.10 of IS 302-2-7 :2024
56.		Heating	Cl.11 of IS 302-2-7 :2024
57.		Leakage Current & Electric Strength at operating	Cl.13 of IS 302-2-7 :2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
58.	Domestic Electric Clothes Washing machine	Transient Overvoltage	Cl.14 of IS 302-2-7 :2024
59.		Moisture Resistance	Cl.15 of IS 302-2-7 :2024
60.		Leakage Current and Electric Strength	Cl.16 of IS 302-2-7 :2024
61.		Overload Protection of Transformers and associated	Cl.17 of IS 302-2-7 :2024
62.		Endurance	Cl.18 of IS 302-2-7 :2024
63.		Abnormal Operation	Cl.19 of IS 302-2-7 :2024
64.		Stability & Mechanical Hazards	Cl.20 of IS 302-2-7 :2024
65.		Mechanical Strength	Cl.21 of IS 302-2-7 :2024
66.		Construction	Cl.22 of IS 302-2-7 :2024
67.		Internal Wiring	Cl.23 of IS 302-2-7 :2024
68.		Component	Cl.24 of IS 302-2-7 :2024
69.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-7 :2024
70.		Terminals for External Conductors	Cl.26 of IS 302-2-7 :2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
71.	Domestic Electric Clothes Washing machine	Provision for Earthing	Cl.27 of IS 302-2-7 :2024
72.		Screw and Connections	Cl.28 of IS 302-2-7 :2024
73.		Clearances, creepage Distance and Solid Insulation	Cl.29 of IS 302-2-7 :2024
74.		Resistance to Heat and Fire	Cl.30 of IS 302-2-7 :2024
75.		Resistance to Rusting	Cl.31 of IS 302-2-7 :2024
76.		Radiation, toxicity and similar Hazards	Cl.32 of IS 302-2-7 :2024
77.		Rating	Cl.5 of IS 302-2-4: 1993
78.	Spin Extractors	Classification	Cl.6 of IS 302-2-4: 1993
79.	Spin Extractors	Marking	Cl.7 of IS 302-2-4
80.	Spin Extractors	Protection Against Electric Shock	Cl.8 of IS 302-2-4: 1993
81.	Spin Extractors	Starting of Motor - operated appliances	Cl.9 of IS 302-2-4: 1993
82.	Spin Extractors	Input and Current	Cl.10 of IS 302-2-4: 1993

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
83.	Spin Extractors	Heating	Cl.11 of IS 302-2-4: 1993
84.	Spin Extractors	Operation under over load conditions of appliances with heating elements	Cl.12 of IS 302-2-4: 1993
85.	Spin Extractors	Electrical Insulation and Leakage current at operating Temperature	Cl.13 of IS 302-2-4:1993
86.	Spin Extractors	Radio and Television Interference Suppression	Cl.14 of IS 302-2-4: 1993
87.	Spin Extractors	Moisture Resistance	Cl.15 of IS 302-2-4
88.	Spin Extractors	Insulation Resistance and Electric Strength (After humidity Treatment)	Cl.16 of IS 302-2-4: 1993
89.	Spin Extractors	Overload Protection	Cl.17 of IS 302-2-4: 1993
90.	Spin Extractors	Endurance	Cl.18 of IS 302-2-4: 1993
91.	Spin Extractors	Abnormal Operation	Cl.19 of IS 302-2-4: 1993
92.	Spin Extractors	Stability and Mechanical Hazards	Cl.20 of IS 302-2-4: 1993
93.	Spin Extractors	Mechanical Strength	Cl.21 of IS 302-2-4: 1993
94.	Spin Extractors	Construction	Cl.22 of IS 302-2-4: 1993

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
95.	Spin Extractors	Internal Wiring	Cl.23 of IS 302-2-4: 1993
96.	Spin Extractors	Components	Cl.24 of IS 302-2-4: 1993
97.	Spin Extractors	Supply Connection and External Flexible Cables and Cords	Cl.25 of IS 302-2-4: 1993
98.	Spin Extractors	Terminals for External Conductors	Cl.26 of IS 302-2-4: 1993
99.	Spin Extractors	Provision for Earthing	Cl.27 of IS 302-2-4: 1993
100.	Spin Extractors	Screws and Connections	Cl.28 of IS 302-2-4: 1993
101.	Spin Extractors	Creepage Distances, Clearances and Distance Through Insulation	Cl.29 of IS 302-2-4: 1993
102.	Spin Extractors	Resistance to Heat, Fire and Tracking	Cl.30 of IS 302-2-4: 1993
103.	Spin Extractors	Resistance to Rusting	Cl.31 of IS 302-2-4: 1993
104.	Spin Extractors	Radiation Hazards	Cl.32 of IS 302-2-4: 1993
105.	Domestic Electric Clothes Washing machine	General Requirements	Cl. 4 of IS 14155:1994
106.		General Notes on Tests	Cl. 5 of IS 14155:1994
107.		Rating	Cl. 6 of IS 14155:1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
108.	Domestic Electric Clothes Washing machine	Classification	Cl. 7 of IS 14155:1994
109.		Marking	Cl. 8 of IS 14155:1994
110.		Safety Requirements	Cl. 9 of IS 14155:1994
111.		List of Measurements	Cl. 10 of IS 14155: 1994
112.		Determination of the washing performance standard measurement with a load of clean material and standardized soiling	Cl. 11 of IS 14155:1994
113.		Determination of wear suffered by textile (determination of degree of mechanical wear suffered by Linen, by measuring weight of fibers Detached)	Cl. 12 of IS 14155:1994
114.		Determination of water retention percentage	Cl. 13 of IS 14155:1994
115.		Determination of water extracting efficiency	Cl. 14 of IS 14155:1994



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
116.	Domestic Electric Clothes Washing machine	Determination of water and energy consumption	Cl. 15 of IS 14155:1994
117.		Determination of mechanical detergent loss in the sum of washing machines (Wash Liquor Re-circulation Method)	Cl. 16 of IS 14155:1994
118.		Endurance	Cl. 17 of IS 14155:1994
119.		Finish	Cl. 18 of IS 14155: 1994
120.		Tests	Cl. 19 of IS 14155:1994
121.		General	Cl.4.1 of IEC 60456: 2010
122.		Rated Capacity	Cl.4.2 of IEC 60456: 2010
123.		Dimensions	Cl.4.3 of IEC 60456: 2010
124.		General	Cl.5 of IEC 60456: 2010
125.		Water Hardness	Cl.5.2.2.2 of IEC 60456: 2010
126.		Water Temperature	Cl.5.2.2.3 of IEC 60456: 2010
127.		Water Pressure	Cl.5.2.2.4 of IEC 60456: 2010

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
128.	Domestic Electric Clothes Washing machine	General	Cl.5.3.1 of IEC 60456: 2010
129.		Base Loads	Cl.5.3.2 of IEC 60456: 2010
130.		Stain Test Strips	Cl.5.3.3 of IEC 60456: 2010
131.		Wool Shrinkage Specimen	Cl.5.3.4 of IEC 60456: 2010
132.		Equipment	Cl.5.4 of IEC 60456: 2010
133.		General	Cl.6.1 of IEC 60456: 2010
134.		Test loads	Cl.6.4 of IEC 60456: 2010
135.		Performance Measurement	Cl.7 of IEC 60456: 2010
136.		Tests for performance	Cl.8 of IEC 60456: 2010
137.		Measurement to determine washing performance	Cl.8.3 of IEC 60456: 2010
138.		Measurement to determine water extraction performance	Cl.8.4 of IEC 60456: 2010
139.		Measurement to determine rinsing performance	Cl.8.5 of IEC 60456: 2010
140.		Alkalinity Measurement	Cl.8.5.3 of IEC 60456: 2010

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
141.	Domestic Electric Clothes Washing machine	Measurement to determine water and energy consumption and programme time	Cl.8.6 of IEC 60456: 2010
142.		Assessment of Performance	Cl.9.1 of IEC 60456: 2010
143.		Evaluation of Washing Performance	Cl.9.2 of IEC 60456: 2010
144.		Evaluation of Water extraction Performance	Cl.9.3 of IEC 60456: 2010
145.		Evaluation of Rising performance	Cl.9.4 of IEC 60456: 2010
146.		Evaluation of water and energy consumption and programme time	Cl.9.5 of IEC 60456: 2010
147.		Shrinkage during the wool wash programme	Cl.10 of IEC 60456: 2010
148.		Determine of Reference Shrinkage	Cl.10.2.2 of IEC 60456: 2010
149.		Wool Programme Test	Cl.10.3.2 of IEC 60456: 2010
150.		Washing machine for household use	General
151.	Rated capacity		Cl. 4.2 of IEC 60456 : 2024
152.	Dimensions and volume		Cl. 4.3 of IEC 60456 : 2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
153.	Washing machine for household use	Performance measurements - General Requirements	Cl. 7 of IEC 60456 : 2024
154.		General	Cl. 8.1 & Cl. 9.1 of IEC 60456 : 2024
155.		Performance Test	Cl. 8.2 of IEC 60456: 2024 : 2024
156.		Measurements to determine water and energy consumption and programme duration	S.O. 4675(E). dated 26th October, 2023;Cl. 8.3 of IEC 60456: 2024 : 2024
157.		Evaluation of water and energy consumption and programme duration	S.O. 4675(E). dated 26th October, 2023;Cl. 9.2 of IEC 60456: 2024 : 2024
158.		Measurements to determine the standard cleaning performance	S.O. 4675(E). dated 26th October, 2023;Cl. 8.4 of IEC 60456: 2024 : 2024
159.		Evaluation of cleaning performance	S.O. 4675(E). dated 26th October, 2023;Cl. 9.3 of IEC 60456: 2024 : 2024
160.		Measurements to determine water extraction performance	S.O. 4675(E). dated 26th October, 2023;Cl. 8.5 of IEC 60456: 2024 : 2024
161.		Evaluation of water extraction performance	S.O. 4675(E). dated 26th October, 2023; Cl. 9.4 of IEC 60456: 2024 : 2024

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	Domestic Electrical Appliances		
162.	Washing machine for household use	Measurements to determine rinsing performance	S.O. 4675(E). dated 26th October, 2023; Cl. 8.6 of IEC 60456: 2024 : 2024
163.		Evaluation of rinsing performance	S.O. 4675(E). dated 26th October, 2023; Cl. 9.5 of IEC 60456: 2024 : 2024
164.		Measurement to determine gentleness of action (GoA)	Cl. 8.7 of IEC 60456 : 2024
165.		Evaluation of gentleness of action	Cl. 9.6 of IEC 60456 : 2024
166.		Wool cleaning performance	Cl. 8.8 of IEC 60456 : 2024
167.		Evaluation of wool cleaning performance	Cl. 9.7 of IEC 60456 : 2024
168.		Cold water cleaning performance	Cl. 8.9 of IEC 60456 : 2024
169.		Evaluation of cold water cleaning performance	Cl. 9.8 of IEC 60456 : 2024
170.		Rated Capacity	Cl. 4.2 of IS 14155 : 2024
171.		Domestic Electric Clothes	Dimensions
172.	Washing machine	Marking	Cl. 7 of IS 14155 : 2024

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Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
Delhi-110042, India

Valid from: 29 October 2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
173.	Domestic Electric Clothes Washing machine	Measurements to Determine Washing Performance	Cl. 10.3 of IS 14155 : 2024
174.		Measurements to Determine Water Extraction Performance	Cl. 10.4 of IS 14155 : 2024
175.		Measurements to Determine Rinsing Performance	Cl. 10.5 of IS 14155 : 2024
176.		Measurements to Determine Water and Energy Consumption and Programme time	Cl. 10.6 of IS 14155 : 2024
177.		Type Tests	Cl. 15.1 of IS 14155 : 2024
178.		Water Consumption	Cl. 9 (e), Cl.10.1(e), 11.5, 14 & Cl.10.6, 15.1 of IS 14155 : 2024
179.		Programme time	Cl. 9 (f), Cl.10.1(f), 14 & Cl.10.6, 15.1 of IS 14155 : 2024
180.		Evaluation of Washing Performance	Cl. 11.2 of IS 14155 : 2024
181.		Evaluation of Water Extraction Performance	Cl. 11.3 of IS 14155 : 2024
182.		Evaluation of Rinsing Performance	Cl. 11.4 of IS 14155 : 2024
183.		Performance Requirements	Cl. 14 of IS 14155 : 2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
184.	Domestic Electric Clothes Washing machine	Evaluation of Water and Energy Consumption and programme time	Cl.11.5, 14 of IS 14155 : 2024
185.		Shrinkage During the Wool Wash programme	Cl. 12, 15.1 of IS 14155 : 2024
186.		Protection against access to live Parts	Cl.13, 15.1 of IS 14155 : 2024
187.		Safety requirements	Cl.13, 15.1 of IS 14155 : 2024
188.		Earth Continuity Test	Cl. 15.3 (a) of IS 14155 : 2024
189.		Electric Strength test	Cl. 15.3 (b) of IS 14155 : 2024
190.		Functional Test	Cl. 15.3 (c) of IS 14155 & A.3 of IS 302 (Part 1) : 2024
191.	Household and similar Electrical Appliances	Charging of metal - ion batteries	Cl.12 of IS 302 (PART 1):2024 / IEC 60335 (Part 1) : 2020
192.		Earth Continuity Test	Annex A.2 of IS 302 (PART 1):2024 / IEC 60335 (Part 1) : 2020
193.		Electric Strength Test	Annex A.3 of IS 302 (Part 1):2024 / IEC 60335 (Part 1) : 2020

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Electrical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
194.	Household and similar Electrical Appliances	Battery-operated appliance, separable batteries and detachable batteries for battery-operated appliance	Annex- B of IS 302 (PART 1):2024 : 2020	
195.		Ageing Test on Motor	Annex- C of IS 302 (PART 1):2024 / IEC 60335 (Part 1) : 2020	
196.		Thermal motor Protector	Annex- D of IS 302 (PART 1):2024 : 2020	
197.		Needle-flame test	Annex- E of IS 302 (PART 1):2024 / IEC 60335 (Part 1) : 2020	
198.		Capacitors	Annex- F of IS 302 (PART 1):2024 / IEC 60335 (Part 1) : 2020	
199.		Safety isolating transformers	Annex- G of IS 302 (PART 1):2024 / IEC 60335 (Part 1) : 2020	
200.		Switches	Annex- H of IS 302 (PART 1):2024 / IEC 60335 (Part 1) : 2020	
201.		Basic insulation of Motor	Annex- I of IS 302 (PART 1):2024 / IEC 60335 (Part 1) : 2020	
202.		Refrigerators, Microwave and ice - Makers	Rating	Cl.5 of IS 302 (Part2/Sec24) : 1994
203.			Classification	Cl.6 of IS 302 (Part2/Sec24) : 1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
204.	Refrigerators, food - Freezers and ice - Makers	Marking	Cl.7 of IS 302 (Part2/Sec24) : 1994
205.		Protection against Electric shock	Cl. 4.1.1 of BEE Schedule 25 & Cl.8 of IS 302 (Part2/Sec24) : 1994
206.		Starting of Motor Operated Appliances	Cl.9 of IS 302 (Part2/Sec24) : 1994
207.		Input and Current	Cl.10 of IS 302 (Part2/Sec24) : 1994
208.		Temperature Rise	Cl.11 of IS 302 (Part2/Sec24) : 1994
209.		Operation under overload condition of appliances with heating elements	Cl.12 of IS 302 (Part2/Sec24) : 1994
210.		Electrical insulation and Leakage current at operating Temperature	Cl. 4.1.1 of BEE Schedule 25 & Cl.13 of IS 302 (Part2/Sec24) : 1994
211.		Electrical insulation and Leakage current at operating Temperature	Cl. 4.1.1 of BEE Schedule 25 & Cl.13 of IS 302 (Part2/Sec24) : 1994
212.		Radio and Television Interference Suppression	Cl.14 of IS 302 (Part2/Sec24) : 1994
213.		Moisture Resistance	Cl.15 of IS 302 (Part2/Sec24) : 1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
214.	Refrigerators, food - Freezers and ice - Makers	Insulation Resistance and Electric Strength (after the humidity Treatment)	Cl. 4.1.1 of BEE Schedule 25 & Cl.16 of IS 302 (Part2/Sec24) : 1994
215.		Insulation Resistance and Electric Strength (after the humidity Treatment)	Cl. 4.1.1 of BEE Schedule 25 & Cl.16 of IS 302 (Part2/Sec24) : 1994
216.		Overload Protection	Cl.17 of IS 302 (Part2/Sec24) : 1994
217.		Abnormal Operation	Cl.19 of IS 302 (Part2/Sec24) : 1994
218.		Stability & Mechanical Hazards	Cl.20 of IS 302 (Part2/Sec24) : 1994
219.		Mechanical Strength	Cl.21 of IS 302 (Part2/Sec24) : 1994
220.		Construction	Cl.22 of IS 302 (Part2/Sec24) : 1994
221.		Internal Wiring	Cl.23 of IS 302 (Part2/Sec24) : 1994
222.		Components	Cl.24 of IS 302 (Part2/Sec24) : 1994
223.		Supply Connection and External Flexible Cables and Cord	Cl.25 of IS 302 (Part2/Sec24) : 1994
224.		Terminal for External Conductors	Cl.26 of IS 302 (Part2/Sec24) : 1994
225.		Provision for Earthing	Cl.27 of IS 302 (Part2/Sec24) : 1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
226.	Refrigerators, food - Freezers and ice - Makers	Screw and Connections	Cl.28 of IS 302 (Part2/Sec24) : 1994
227.		Creepage distance, Clearance and distance through Insulation	Cl.29 of IS 302 (Part2/Sec24) : 1994
228.		Resistance to Heat, Fire and Tracking	Cl.30 of IS 302 (Part2/Sec24) : 1994
229.		Resistance to Rusting	Cl.31 of IS 302 (Part2/Sec24) : 1994
230.	Tumbler Dryers	Rating	Cl.5 of IS 302 (Part2/Sec11) : 1994
231.	Tumbler Dryers	Classification	Cl.6 of IS 302 (Part2/Sec11) : 1994
232.	Tumbler Dryers	Marking	Cl.7 of IS 302 (Part2/Sec11) : 1994
233.	Tumbler Dryers	Protection against electric shock	Cl.8 of IS 302 (Part2/Sec11) : 1994
234.	Tumbler Dryers	Starting of Motor Operated Appliances	Cl.9 of IS 302 (Part2/Sec11) : 1994
235.	Tumbler Dryers	Input & Current	Cl.10 of IS 302 (Part2/Sec11) : 1994
236.	Tumbler Dryers	Heating	Cl.11 of IS 302 (Part2/Sec11) : 1994
237.	Tumbler Dryers	Electrical Insulation and Leakage Current at Operating Temperature	Cl.13 of IS 302 (Part2/Sec11) : 1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
238.	Tumbler Dryers	Electrical Insulation and Leakage Current at Operating Temperature	Cl.13 of IS 302 (Part2/Sec11) : 1994
239.	Tumbler Dryers	Radio and Television Interference Suppression	Cl.14 of IS 302 (Part2/Sec11) : 1994
240.	Tumbler Dryers	Moisture Resistance	Cl.15 of IS 302 (Part2/Sec11) : 1994
241.	Tumbler Dryers	Insulation Resistance and Electric Strength	Cl.16 of IS 302 (Part2/Sec11) : 1994
242.	Tumbler Dryers	Insulation Resistance and Electric Strength	Cl.16 of IS 302 (Part2/Sec11) : 1994
243.	Tumbler Dryers	Overload Protection	Cl.17 of IS 302 (Part2/Sec11) : 1994
244.	Tumbler Dryers	Endurance	Cl.18 of IS 302 (Part2/Sec11) : 1994
245.	Tumbler Dryers	Abnormal Operation	Cl.19 of IS 302 (Part2/Sec11) : 1994
246.	Tumbler Dryers	Stability & Mechanical Hazards	Cl.20 of IS 302 (Part2/Sec11) : 1994
247.	Tumbler Dryers	Mechanical Strength	Cl.21 of IS 302 (Part2/Sec11) : 1994
248.	Tumbler Dryers	Construction	Cl.22 of IS 302 (Part2/Sec11) : 1994
249.	Tumbler Dryers	Internal Wiring	Cl.23 of IS 302 (Part2/Sec11) : 1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
250.	Tumbler Dryers	Components	Cl.24 of IS 302 (Part2/Sec11) : 1994
251.	Tumbler Dryers	Supply Connection and External Flexible Cables and Cords	Cl.25 of IS 302 (Part2/Sec11) : 1994
252.	Tumbler Dryers	Terminal for External Conductors	Cl.26 of IS 302 (Part2/Sec11) : 1994
253.	Tumbler Dryers	Provision for Earthing	Cl.27 of IS 302 (Part2/Sec11) : 1994
254.	Tumbler Dryers	Screw and Connections	Cl.28 of IS 302 (Part2/Sec11) : 1994
255.	Tumbler Dryers	Creepage Distances, Clearances and Distances Through Insulation	Cl.29 of IS 302 (Part2/Sec11) : 1994
256.	Tumbler Dryers	Resistance to Heat, Fire and tacking	Cl.30 of IS 302 (Part2/Sec11) : 1994
257.	Tumbler Dryers	Resistance to Rusting	Cl.31 of IS 302 (Part2/Sec11) : 1994
258.	Tumbler Dryers	Radiation, Toxicity and Similar Hazards	Cl.32 of IS 302 (Part2/Sec11) : 1994
259.	Fans	Classification	Cl. 6 of IS 302 (Part2/Sec80) : 2017
260.	Fans	Marking and Instructions	Cl. 7 of IS 302 (Part2/Sec80) : 2017
261.	Fans	Protection against access to live Parts	Cl. 8 of IS 302 (Part2/Sec80) : 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
262.	Fans	Starting of motor-operated appliances	Cl. 9 of IS 302 (Part2/Sec80) : 2017
263.	Fans	Power Input and Current	Cl. 10 of IS 302 (Part2/Sec80) : 2017
264.	Fans	Heating	Cl. 11 of IS 302 (Part2/Sec80) : 2017
265.	Fans	Leakage current and electric strength at operating temperature	Cl. 13 of IS 302 (Part2/Sec80) : 2017
266.	Fans	Leakage current and electric strength at operating temperature	Cl. 13 of IS 302 (Part2/Sec80) : 2017
267.	Fans	Transient overvoltages	Cl. 14 of IS 302 (Part2/Sec80) : 2017
268.	Fans	Moisture Resistance	Cl. 15 of IS 302 (Part2/Sec80) : 2017
269.	Fans	Leakage current and electric strength	Cl. 16 of IS 302 (Part2/Sec80) : 2017
270.	Fans	Leakage current and electric strength	Cl. 16 of IS 302 (Part2/Sec80) : 2017
271.	Fans	Overload Protection of Transformers & Associated Circuits	Cl. 17 of IS 302 (Part2/Sec80) : 2017
272.	Fans	Endurance	Cl. 18 of IS 302 (Part2/Sec80) : 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
273.	Fans	Abnormal operation	Cl. 19 of IS 302 (Part2/Sec80) : 2017
274.	Fans	Stability and mechanical hazards	Cl. 20 of IS 302 (Part2/Sec80) : 2017
275.	Fans	Mechanical strength	Cl. 21 of IS 302 (Part2/Sec80) : 2017
276.	Fans	Construction	Cl. 22 of IS 302 (Part2/Sec80) : 2017
277.	Fans	Internal wiring	Cl. 23 of IS 302 (Part2/Sec80) : 2017
278.	Fans	Components	Cl. 24 of IS 302 (Part2/Sec80) : 2017
279.	Fans	Supply connection and external flexible cords	Cl. 25 of IS 302 (Part2/Sec80) : 2017
280.	Fans	Terminals for external conductors	Cl. 26 of IS 302 (Part2/Sec80) : 2017
281.	Fans	Provision for earthing	Cl. 27 of IS 302 (Part2/Sec80) : 2017
282.	Fans	Screws and connections	Cl. 28 of IS 302 (Part2/Sec80) : 2017
283.	Fans	Clearances, Creepage distances and solid insulation	Cl. 29 of IS 302 (Part2/Sec80) : 2017
284.	Fans	Resistance to Heat and Fire	Cl. 30 of IS 302 (Part2/Sec80) : 2017
285.	Fans	Resistance to rusting	Cl. 31 of IS 302 (Part2/Sec80) : 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
286.	Fans	Radiation, Toxicity and Similar Hazards	Cl. 32 of IS 302 (Part2/Sec80) : 2017
287.	Microwave ovens, including combination microwave ovens	Classification	Cl. 6 of IS 302 (Part2/Sec25) : 2014
288.		Marking and Instructions	Cl. 7 of IS 302 (Part2/Sec25) : 2014
289.		Protection against access to live Parts	Cl. 8 of IS 302 (Part2/Sec25) : 2014
290.		Starting of motor-operated appliances	Cl. 9 of IS 302 (Part2/Sec25) : 2014
291.		Power Input and Current	Cl. 10 of IS 302 (Part2/Sec25) : 2014
292.		Heating	Cl. 11 of IS 302 (Part2/Sec25) : 2014
293.		Leakage current and electric strength at operating temperature	Cl. 13 of IS 302 (Part2/Sec25) : 2014
294.		Leakage current and electric strength at operating temperature	Cl. 13 of IS 302 (Part2/Sec25) : 2014
295.		Transient Overvoltages	Cl. 14 of IS 302 (Part2/Sec25) : 2014
296.		Moisture Resistance	Cl. 15 of IS 302 (Part2/Sec25) : 2014
297.	Leakage current and electric strength	Cl. 16 of IS 302 (Part2/Sec25) : 2014	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
298.	Microwave ovens, including combination microwave ovens	Leakage current and electric strength	Cl. 16 of IS 302 (Part2/Sec25) : 2014
299.		Overload Protection of Transformers & Associated Circuits	Cl. 17 of IS 302 (Part2/Sec25) : 2014
300.		Endurance	Cl. 18 of IS 302 (Part2/Sec25) : 2014
301.		Abnormal operation	Cl. 19 of IS 302 (Part2/Sec25) : 2014
302.		Stability and mechanical hazards	Cl. 20 of IS 302 (Part2/Sec25) : 2014
303.		Mechanical strength	Cl. 21 of IS 302 (Part2/Sec25) : 2014
304.		Construction	Cl. 22 of IS 302 (Part2/Sec25) : 2014
305.		Internal wiring	Cl. 23 of IS 302 (Part2/Sec25) : 2014
306.		Components	Cl. 24 of IS 302 (Part2/Sec25) : 2014
307.		Supply connection and external flexible cords	Cl. 25 of IS 302 (Part2/Sec25) : 2014
308.		Terminals for external conductors	Cl. 26 of IS 302 (Part2/Sec25) : 2014
309.		Provision for earthing	Cl. 27 of IS 302 (Part2/Sec25) : 2014
310.		Screws and connections	Cl. 28 of IS 302 (Part2/Sec25) : 2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
311.	Microwave ovens, including combination microwave ovens	Clearances, Creepage distances and solid insulation	Cl. 29 of IS 302 (Part2/Sec25) : 2014
312.		Resistance to Heat and Fire	Cl. 30 of IS 302 (Part2/Sec25) : 2014
313.		Resistance to rusting	Cl. 31 & Annex CC of IS 302 (Part2/Sec25) : 2014
314.		Combination Microwave ovens	Annex AA of IS 302 (Part2/Sec25) : 2014
315.	Electric Kitchen Machines	General Requirements	Cl. 4 of IS 302 (Part2/Sec14):2009
316.	Electric Kitchen Machines	General Conditions for the Test	Cl. 5 of IS 302 (Part2/Sec14):2009
317.	Electric Kitchen Machines	Classification	Cl. 6 of IS 302 (Part2/Sec14):2009
318.	Electric Kitchen Machines	Marking and Instruction	Cl. 7 of IS 302 (Part2/Sec14):2009
319.	Electric Kitchen Machines	Protection against access to live Parts	Cl. 8 of IS 302 (Part2/Sec14):2009
320.	Electric Kitchen Machines	Starting of Motor operated Appliances	Cl. 9 of IS 302 (Part2/Sec14):2009
321.	Electric Kitchen Machines	Power Input and current	Cl. 10 of IS 302 (Part2/Sec14):2009
322.	Electric Kitchen Machines	Heating	Cl. 11 of IS 302 (Part2/Sec14):2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
323.	Electric Kitchen Machines	Leakage current and Electric strength at operating Temperature	Cl. 13 of IS 302 (Part2/Sec14):2009
324.	Electric Kitchen Machines	Transient Overvoltage	Cl. 14 of IS 302 (Part2/Sec14):2009
325.	Electric Kitchen Machines	Moisture Resistance	Cl. 15 of IS 302 (Part2/Sec14):2009
326.	Electric Kitchen Machines	Leakage current and Electric strength	Cl. 16 of IS 302 (Part2/Sec14):2009
327.	Electric Kitchen Machines	Overload protection of transformer and associated circuits	Cl. 17 of IS 302 (Part2/Sec14):2009
328.	Electric Kitchen Machines	Endurance	Cl. 18 of IS 302 (Part2/Sec14):2009
329.	Electric Kitchen Machines	Abnormal Operation	Cl. 19 of IS 302 (Part2/Sec14):2009
330.	Electric Kitchen Machines	Stability and Mechanical hazard	Cl. 20 of IS 302 (Part2/Sec14):2009
331.	Electric Kitchen Machines	Mechanical Strength	Cl. 21 of IS 302 (Part2/Sec14):2009
332.	Electric Kitchen Machines	Construction	Cl. 22 of IS 302 (Part2/Sec14):2009
333.	Electric Kitchen Machines	Internal Wiring	Cl. 23 of IS 302 (Part2/Sec14):2009
334.	Electric Kitchen Machines	Components	Cl. 24 of IS 302 (Part2/Sec14):2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
335.	Electric Kitchen Machines	Supply connection and external flexible cords	Cl. 25 of IS 302 (Part2/Sec14):2009
336.	Electric Kitchen Machines	Terminals for External Conductors	Cl. 26 of IS 302 (Part2/Sec14):2009
337.	Electric Kitchen Machines	Provision for Earthing	Cl. 27 of IS 302 (Part2/Sec14):2009
338.	Electric Kitchen Machines	Screw and Connections	Cl. 28 of IS 302 (Part2/Sec14):2009
339.	Electric Kitchen Machines	Clearance, creepage distance and solid insulation	Cl. 29 of IS 302 (Part2/Sec14):2009
340.	Electric Kitchen Machines	Resistance to Heat and Fire	Cl. 30 of IS 302 (Part2/Sec14):2009
341.	Electric Kitchen Machines	Resistance to Rusting	Cl. 31 of IS 302 (Part2/Sec14):2009
342.	Electric Kitchen Machines	Radiation, Toxicity and Similar Hazard	Cl. 32 of IS 302 (Part2/Sec14):2009
343.	Appliances for Heating Liquid	General Requirements	Cl. 4 of IS 302 (Part2/Sec15):2009
344.	Appliances for Heating Liquid	General Conditions for the Test	Cl. 5 of IS 302 (Part2/Sec15):2009
345.	Appliances for Heating Liquid	Classification	Cl. 6 of IS 302 (Part2/Sec15):2009
346.	Appliances for Heating Liquid	Marking and Instruction	Cl. 7 of IS 302 (Part2/Sec15):2009
347.	Appliances for Heating Liquid	Protection against access to live Parts	Cl. 8 of IS 302 (Part2/Sec15):2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
348.	Appliances for Heating Liquid	Starting Of Motor Operated Appliances	Cl. 9 of IS 302 (Part2/Sec15):2009
349.	Appliances for Heating Liquid	Power Input and current	Cl. 10 of IS 302 (Part2/Sec15):2009
350.	Appliances for Heating Liquid	Heating	Cl. 11 of IS 302 (Part2/Sec15):2009
351.	Appliances for Heating Liquid	Leakage current and Electric strength at operating Temperature	Cl. 13 of IS 302 (Part2/Sec15):2009
352.	Appliances for Heating Liquid	Transient Overvoltage	Cl. 14 of IS 302 (Part2/Sec15):2009
353.	Appliances for Heating Liquid	Moisture Resistance	Cl. 15 of IS 302 (Part2/Sec15):2009
354.	Appliances for Heating Liquid	Leakage current and Electric strength	Cl. 16 of IS 302 (Part2/Sec15):2009
355.	Appliances for Heating Liquid	Overload protection of transformer and associated circuits	Cl. 17 of IS 302 (Part2/Sec15):2009
356.	Appliances for Heating Liquid	Endurance	Cl. 18 of IS 302 (Part2/Sec15):2009
357.	Appliances for Heating Liquid	Abnormal Operation	Cl. 19 of IS 302 (Part2/Sec15):2009
358.	Appliances for Heating Liquid	Stability and Mechanical hazard	Cl. 20 of IS 302 (Part2/Sec15):2009
359.	Appliances for Heating Liquid	Mechanical Strength	Cl. 21 of IS 302 (Part2/Sec15):2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
360.	Appliances for Heating Liquid	Construction	Cl. 22 of IS 302 (Part2/Sec15):2009
361.	Appliances for Heating Liquid	Internal Wiring	Cl. 23 of IS 302 (Part2/Sec15):2009
362.	Appliances for Heating Liquid	Components	Cl. 24 of IS 302 (Part2/Sec15):2009
363.	Appliances for Heating Liquid	Supply connection and external flexible cords	Cl. 25 of IS 302 (Part2/Sec15):2009
364.	Appliances for Heating Liquid	Terminals for External Conductors	Cl. 26 of IS 302 (Part2/Sec15):2009
365.	Appliances for Heating Liquid	Provision for Earthing	Cl. 27 of IS 302 (Part2/Sec15):2009
366.	Appliances for Heating Liquid	Screw and Connections	Cl. 28 of IS 302 (Part2/Sec15):2009
367.	Appliances for Heating Liquid	Clearance, creepage distance and solid insulation	Cl. 29 of IS 302 (Part2/Sec15):2009
368.	Appliances for Heating Liquid	Resistance to Heat and Fire	Cl. 30 of IS 302 (Part2/Sec15):2009
369.	Appliances for Heating Liquid	Resistance to Rusting	Cl. 31 of IS 302 (Part2/Sec15):2009
370.	Appliances for Heating Liquid	Radiation, Toxicity and Similar Hazard	Cl. 32 of IS 302 (Part2/Sec 15):2009
371.	Cooking Ranges, Hobs, Ovens and Similar Appliances	General Requirements	Cl.4 of IS 302 (Part2/Sec6):2009
372.		General Conditions for the Test	Cl.5 of IS 302 (Part2/Sec6):2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
373.	Cooking Ranges, Hobs, Ovens and Similar Appliances	Classification	Cl.6 of IS 302 (Part2/Sec6):2009
374.		Marking and instructions	Cl.7 of IS 302 (Part2/Sec6):2009
375.		Protection against access to live Parts	Cl.8 of IS 302 (Part2/Sec6):2009
376.		Starting of Motor Operated Appliances	Cl.9 of IS 302 (Part2/Sec6):2009
377.		Power Input & Current	Cl.10 of IS 302 (Part2/Sec6):2009
378.		Heating	Cl.11 of IS 302 (Part2/Sec6):2009
379.		Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302 (Part2/Sec6):2009
380.		Transient Overvoltage	Cl.14 of IS 302 (Part2/Sec6):2009
381.		Moisture Resistance	Cl.15 of IS 302 (Part2/Sec6):2009
382.		Leakage Current & Electric Strength	Cl.16 of IS 302 (Part2/Sec6):2009
383.		Overload Protection of Transformers & Associated Circuits	Cl.17 of IS 302 (Part2/Sec6):2009
384.		Endurance	Cl.18 of IS 302 (Part2/Sec6):2009



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
385.	Cooking Ranges, Hobs, Ovens and Similar Appliances	Abnormal Operation	Cl.19 of IS 302 (Part2/Sec6):2009
386.		Stability & Mechanical Hazards	Cl.20 of IS 302 (Part2/Sec6):2009
387.		Mechanical Strength	Cl.21 of IS 302 (Part2/Sec6):2009
388.		Construction	Cl.22 of IS 302 (Part2/Sec6):2009
389.		Internal Wiring	Cl.23 of IS 302 (Part2/Sec6):2009
390.		Components	Cl.24 of IS 302 (Part2/Sec6):2009
391.		Supply Connection and External Flexible Cords	Cl.25 of IS 302 (Part2/Sec6):2009
392.		Terminal for External Conductors	Cl.26 of IS 302 (Part2/Sec6):2009
393.		Provision for Earthing	Cl.27 of IS 302 (Part2/Sec6):2009
394.		Screws and Connections	Cl.28 of IS 302 (Part2/Sec6):2009
395.		Clearances, Creepage Distances and solid Insulation	Cl.29 of IS 302 (Part2/Sec6):2009
396.		Resistance to Heat and Fire	Cl.30 of IS 302 (Part2/Sec6):2009
397.		Resistance to Rusting	Cl.31 of IS 302 (Part2/Sec6):2009
398.	Commercial Dispensing Appliances and Vending Machines	General Requirements	Cl. 4 of IS 302 (Part2/Sec75):2018
399.		General Conditions for the test	Cl. 5 of IS 302 (Part2/Sec75):2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
400.	Commercial Dispensing Appliances and Vending Machines	Classification	Cl. 6 of IS 302 (Part2/Sec75):2018
401.		Marking and Instruction	Cl. 7 of IS 302 (Part2/Sec75):2018
402.		Protection against access to live Parts	Cl. 8 of IS 302 (Part2/Sec75):2018
403.		Starting of motor-operated appliances	Cl. 9 of IS 302 (Part2/Sec75):2018
404.		Power Input and Current	Cl. 10 of IS 302 (Part2/Sec75):2018
405.		Heating	Cl. 11 of IS 302 (Part2/Sec75):2018
406.		Leakage current and electric strength at operating Temperature	Cl. 13 of IS 302 (Part2/Sec75):2018
407.		Transient Overvoltage's	Cl. 14 of IS 302 (Part2/Sec75):2018
408.		Moisture Resistance	Cl. 15 of IS 302 (Part2/Sec75):2018
409.		Leakage current and electric strength	Cl. 16 of IS 302 (Part2/Sec75):2018
410.		Overload Protection of Transformers & Associated Circuits	Cl. 17 of IS 302 (Part2/Sec75):2018
411.		Endurance	Cl. 18 of IS 302 (Part2/Sec75):2018
412.	Abnormal operation	Cl. 19 of IS 302 (Part2/Sec75):2018	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
413.	Commercial Dispensing Appliances and Vending Machines	Stability and mechanical hazards	Cl. 20 of IS 302 (Part2/Sec75):2018
414.		Mechanical strength	Cl. 21 of IS 302 (Part2/Sec75):2018
415.		Construction	Cl. 22 of IS 302 (Part2/Sec75):2018
416.		Internal wiring	Cl. 23 of IS 302 (Part2/Sec75):2018
417.		Components	Cl. 24 of IS 302 (Part2/Sec75):2018
418.		Supply connection and external flexible cords	Cl. 25 of IS 302 (Part2/Sec75):2018
419.		Terminals for external conductors	Cl. 26 of IS 302 (Part2/Sec75):2018
420.		Provision for earthing	Cl. 27 of IS 302 (Part2/Sec75):2018
421.		Screws and connections	Cl. 28 of IS 302 (Part2/Sec75):2018
422.		Clearances, Creepage distances and solid insulation	Cl. 29 of IS 302 (Part2/Sec75):2018
423.		Resistance to Heat and Fire	Cl. 30 of IS 302 (Part2/Sec75):2018
424.		Resistance to rusting	Cl. 31 of IS 302 (Part2/Sec75):2018
425.		Radiation, Toxicity and Similar Hazards	Cl. 32 of IS 302 (Part2/Sec75):2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
426.	Commercial Electrical Forced Convection ovens, Steam Cookers and Steam-Convection Ovens	General Requirements	Cl.4 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
427.		General conditions for the test	Cl.5 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
428.		Classification	Cl.6 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
429.		Marking and Instruction	Cl.7 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
430.		Protection against access to live Parts	Cl.8 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
431.		Starting of Motor Operated Appliances	Cl.9 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
432.		Power Input & Current	Cl.10 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
433.		Heating	Cl.11 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
434.		Charging of metal ion Batteries	Cl.12 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
435.		Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
436.	Commercial Electrical Forced Convection ovens, Steam Cookers and Steam-Convection Ovens	Transient overvoltages	Cl.14 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
437.		Moisture Resistance	Cl.15 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
438.		Leakage Current and Electric Strength	Cl.16 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
439.		Overload Protection of Transformers & Associated Circuits	Cl.17 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
440.		Endurance	Cl.18 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
441.		Abnormal Operation	Cl.19 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
442.		Stability & Mechanical Hazards	Cl.20 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
443.		Mechanical Strength	Cl.21 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
444.		Construction	Cl.22 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
445.		Internal Wiring	Cl.23 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
446.	Commercial Electrical Forced Convection ovens, Steam Cookers and Steam-Convection Ovens	Components	Cl.24 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
447.		Supply Connection and External Flexible Cords	Cl.25 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
448.		Terminal for External Conductors	Cl.26 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
449.		Provision for Earthing	Cl.27 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
450.		Screw and Connections	Cl.28 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
451.		Clearances, Creepage Distance and solid Insulation	Cl.29 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
452.		Resistance to Heat and Fire	Cl.30 of IS 302(Part2/Sec42): 2024 /IEC 60335(Part2/Sec42):2021
453.		Resistance to Rusting	Cl.31 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
454.		Radiation, Toxicity and Similar Hazards	Cl.32 of IS 302(Part2/Sec42):2024 /IEC 60335(Part2/Sec42):2021
455.		Insect Killer	General Requirements

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
456.	Insect Killer	General Condition for the Test	Cl.5 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
457.	Insect Killer	Classification	Cl.6 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
458.	Insect Killer	Marking and Instruction	Cl.7 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
459.	Insect Killer	Protection against access to live Parts	Cl.8 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
460.	Insect Killer	Power Input & Current	Cl.10 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
461.	Insect Killer	Heating	Cl.11 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
462.	Insect Killer	Charging of metal ion Batteries	Cl.12 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
463.	Insect Killer	Leakage Current & Electric Strength of operating Temperature	Cl.13 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
464.	Insect Killer	Transient overvoltages	Cl.14 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
465.	Insect Killer	Moisture Resistance	Cl.15 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
466.	Insect Killer	Leakage Current and Electric Strength	Cl.16 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
467.	Insect Killer	Overload Protection of Transformers & Associated Circuits	Cl.17 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
468.	Insect Killer	Endurance	Cl.18 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
469.	Insect Killer	Abnormal Operation	Cl.19 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
470.	Insect Killer	Stability & Mechanical Hazards	Cl.20 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
471.	Insect Killer	Mechanical Strength	Cl.21 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
472.	Insect Killer	Construction	Cl.22 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
473.	Insect Killer	Internal Wiring	Cl.23 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
474.	Insect Killer	Components	Cl.24 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
475.	Insect Killer	Supply Connection and External Flexible Cords	Cl.25 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
476.	Insect Killer	Terminal for External Conductors	Cl.26 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
477.	Insect Killer	Provision for Earthing	Cl.27 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
478.	Insect Killer	Screw and Connections	Cl.28 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
479.	Insect Killer	Clearances, Creepage Distance and solid Insulation	Cl.29 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
480.	Insect Killer	Resistance to Heat and Fire	Cl.30 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
481.	Insect Killer	Resistance to Rusting	Cl.31 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
482.	Insect Killer	Radiation, Toxicity and Similar Hazards	Cl.32 of IS 302(Part2/Sec59):2024 /IEC 60335(Part2/Sec59):2021
483.	Deep Fat fryers, Frying Pans and Similar Appliances	General Requirement	Cl.4 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
484.		General Condition for the Test	Cl.5 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
485.		Classification	Cl.6 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
486.		Marking and Instruction	Cl.7 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
487.		Protection against access to live Parts	Cl.8 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
488.	Deep Fat fryers, Frying Pans and Similar Appliances	Starting of Motor Operated Appliance	Cl.9 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
489.		Power Input & Current	Cl.10 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
490.		Heating	Cl.11 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
491.		Charging of metal ion Batteries	Cl.12 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
492.		Leakage Current & Electric Strength of operating Temperature	Cl.13 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
493.		Transient overvoltages	Cl.14 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
494.		Moisture Resistance	Cl.15 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
495.		Leakage Current and Electric Strength	Cl.16 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
496.		Overload Protection of Transformers & Associated Circuits	Cl.17 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
497.		Endurance	Cl.18 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
498.	Deep Fat fryers, Frying Pans and Similar Appliances	Abnormal Operation	Cl.19 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
499.		Stability & Mechanical Hazards	Cl.20 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
500.		Mechanical Strength	Cl.21 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
501.		Construction	Cl.22 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
502.		Internal Wiring	Cl.23 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
503.		Components	Cl.24 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
504.		Supply Connection and External Flexible Cords	Cl.25 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
505.		Terminal for External Conductors	Cl.26 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
506.		Provision for Earthing	Cl.27 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
507.		Screws and Connections	Cl.28 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
508.	Deep Fat fryers, Frying Pans and Similar Appliances	Clearances, Creepage Distances and solid Insulation	Cl.29 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
509.		Resistance to Heat and Fire	Cl.30 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
510.		Resistance to Rusting	Cl.31 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
511.		Radiation, Toxicity and Similar Hazards	Cl.32 of IS 302(Part2/Sec13):2024 /IEC 60335(Part2/Sec13):2021
512.	Shavers, Hair Clippers and Similar Appliances	General Requirements	Cl.4 of IS 302 (Part 2/Sec 8):2024/IEC 60335-2-8:2022
513.		General Conditions for the Test	Cl.5 of IS 302 (Part 2/Sec 8):2024/IEC 60335-2-8:2022
514.		Classification	Cl.6 of IS 302 (Part 2/Sec 8):2024/IEC 60335-2-8:2022
515.		Marking and Instruction	Cl.7 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
516.		Protection against access to live Parts	Cl.8 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
517.		Starting of Motor Operated appliances	Cl.9 of IS 302 (Part 2/Sec 8):2024/IEC 60335-2-8:2022
518.		Power Input & Current	Cl.10 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
519.	Shavers, Hair Clippers and Similar Appliances	Heating	Cl.11 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
520.		Charging of metal ion Batteries	Cl.12 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
521.		Leakage Current & Electric Strength of operating Temperature	Cl.13 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
522.		Transient overvoltages	Cl.14 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
523.		Moisture Resistance	Cl.15 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
524.		Leakage Current and Electric Strength	Cl.16 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
525.		Overload Protection of Transformers & Associated Circuits	Cl.17 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
526.		Endurance	Cl.18 of IS 302 (Part 2/Sec 8):2024 /IEC 60335-2-8:2022
527.		Abnormal Operation	Cl.19 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
528.		Stability & Mechanical Hazards	Cl.20 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
529.	Shavers, Hair Clippers and Similar Appliances	Mechanical Strength	Cl.21 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
530.		Construction	Cl.22 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
531.		Internal Wiring	Cl.23 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
532.		Components	Cl.24 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
533.		Supply Connection and External Flexible Cords	Cl.25 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
534.		Terminal for External Conductors	Cl.26 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
535.		Provision for Earthing	Cl.27 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
536.		Screws and Connections	Cl.28 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
537.		Clearances, Creepage Distances and solid Insulation	Cl.29 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
538.	Shavers, Hair Clippers and Similar Appliances	Resistance to Heat and Fire	Cl.30 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
539.		Resistance to Rusting	Cl.31 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022
540.		Radiation, Toxicity and Similar Hazards	Cl.32 of IS 302(Part2/Sec8):2024 /IEC 60335(Part2/Sec8):2022



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
1.	Enclosures for electrical equipment	Designations	Cl. 4 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
2.	Enclosures for electrical equipment	Degrees of protection against access to hazardous parts and against solid foreign objects indicated by the first characteristic numeral	Cl. 5 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
3.	Enclosures for electrical equipment	Protection against access to hazardous parts	Cl. 5.1 & 12 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
4.	Enclosures for electrical equipment	Protection against solid foreign objects	Cl. 5.2 & 13 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
5.	Enclosures for electrical equipment	Degrees of protection against ingress of water indicated by the second characteristic numeral	Cl. 6 & 14 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
6.	Enclosures for electrical equipment	Degrees of protection against access to hazardous parts indicated by the additional letter	Cl. 7 & 15 of IS/IEC 60529 : 2001+ Amd. 1 : 2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
7.	Enclosures for electrical equipment	Supplementary letters	Cl. 8 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
8.	Enclosures for electrical equipment	Marking	Cl. 10 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
9.	Enclosures for electrical equipment	Tests for protection against access to hazardous parts indicated by the first characteristic numeral	Cl. 12 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
10.	Enclosures for electrical equipment	Tests for protection against solid foreign objects indicated by first characteristic numeral	Cl. 13 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
11.	Enclosures for electrical equipment	Tests for protection against water indicated by the second characteristic numeral	Cl. 14 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
12.	Enclosures for electrical equipment	Tests for protection against access to hazardous parts indicated by the additional letter	Cl. 15 of IS/IEC 60529 : 2001+ Amd. 1 : 2024
13.	Enclosures for electrical equipment	Designations	Cl. 4 of IEC 60529:1989 +AMD1: 1999+AMD2:2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
14.	Enclosures for electrical equipment	Degrees of protection against access to hazardous parts and against solid foreign objects indicated by the first characteristic numeral	Cl. 5 of IEC 60529:1989+AMD1:1999+AMD2:2013
15.	Enclosures for electrical equipment	Protection against access to hazardous parts	Cl. 5.1 & 12 of IEC 60529:1989+AMD1:1999+AMD2:2013
16.	Enclosures for electrical equipment	Protection against solid foreign objects	Cl. 5.2 & 13 of IEC 60529:1989+AMD1:1999+AMD2:2013
17.	Enclosures for electrical equipment	Degrees of protection against ingress of water indicated by the second characteristic numeral	Cl. 6 & 14 of IEC 60529:1989+AMD1:1999+AMD2:2013
18.	Enclosures for electrical equipment	Degrees of protection against access to hazardous parts indicated by the additional letter	Cl. 7 & 15 of IEC 60529:1989+AMD1:1999+AMD2:2013
19.	Enclosures for electrical equipment	Supplementary letters	Cl. 8 of IEC 60529:1989+AMD1:1999+AMD2:2013
20.	Enclosures for electrical equipment	Marking	Cl. 10 of IEC 60529:1989+AMD1:1999+AMD2:2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
21.	Enclosures for electrical equipment	Tests for protection against access to hazardous parts indicated by the first characteristic numeral	Cl. 12 of IEC 60529:1989+AMD1:1999+AMD2:2013
22.	Enclosures for electrical equipment	Tests for protection against solid foreign objects indicated by first characteristic numeral	Cl. 13 of IEC 60529:1989+AMD1:1999+AMD2:2013
23.	Enclosures for electrical equipment	Tests for protection against water indicated by the second characteristic numeral	Cl. 14 of IEC 60529:1989+AMD1:1999+AMD2:2013
24.	Enclosures for electrical equipment	Tests for protection against access to hazardous parts indicated by the additional letter	Cl. 15 of IEC 60529:1989+AMD1:1999+AMD2:2013



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
1.	Rigid Plastic	Density	Cl. 5.1 of IS 2530: 1963
2.	HDPE Pipe	Thermal Stability	Cl. 5.2 and 6.1.1 of IS 4984: 2016
3.	HDPE Pipe	Volatile Matter	Cl. 5.2 and 6.1.1 of IS 4984: 2016
4.	HDPE Pipe	Water Content	Cl. 5.2 and 6.1.1 of IS 4984: 2016
5.	HDPE Pipe	Anti-oxidant	Cl. 5.4 of IS 4984: 2016
6.	HDPE Pipe	Pipe Description	Cl. 6 of IS 4984: 2016
7.	HDPE Pipe	Colour	Cl. 6.2 of IS 4984: 2016
8.	HDPE Pipe	Length	Cl. 7.2 of IS 4984: 2016
9.	HDPE Pipe	Coiling	Cl. 7.3 of IS 4984: 2016
10.	HDPE Pipe	Ovality	Cl. 7.4.1.2 of IS 4984: 2016
11.	HDPE Pipe	Hydraulic Characteristics	Cl. 8.1 of IS 4984: 2016
12.	HDPE Pipe	Oxidation Induction Time	Cl. 8.5 of IS 4984: 2016
13.	HDPE Pipe	Overall Migration	Cl. 8.6 of IS 4984: 2016
14.	HDPE Pipe	Density	Cl. 8.7 of IS 4984: 2016

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
15.	HDPE Pipe	Tensile strength for butt fusion	Cl. 8.8 of IS 4984: 2016
16.	HDPE Pipe	Slow Crack Growth Rate	Cl. 8.10 IS 4984: 2016
17.	HDPE Pipe	Melt Flow Rate	Cl. 8.4 of IS 4984: 2016
18.	HDPE Pipe	Elongation at Break	Cl.8.9 of IS 4984: 2016
19.	HDPE Pipe	Carbon Black Content	Cl. 8.3 of IS 4984: 2016
20.	HDPE Pipe	Carbon black Dispersion	Cl. 8.3 of IS 4984: 2016
21.	HDPE Pipe	Oxidation Induction	Cl. 8.5 of IS 4984: 2016
22.	HDPE Pipe	Internal Pressure Creep Rupture Test	Cl. 8.1.1 of IS 4984: 2016
23.	UPVC Pipe	Classification of Pipe	Cl. 5 of IS 4985: 2021
24.	UPVC Pipe	Dimensions	Cl. 7 of IS 4985: 2021
25.	UPVC Pipe	Sealing Rings	Cl. 8 of IS 4985: 2021
26.	UPVC Pipe	Pipe ends	Cl. 9 of IS 4985: 2021
27.	UPVC Pipe	Visual Appearance	Cl. 10.1 of IS 4985: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
28.	UPVC Pipe	Physical & Chemical characteristics	Cl. 10 of IS 4985: 2021
29.	UPVC Pipe	Opacity	Cl. 10.2 of IS 4985: 2021
30.	UPVC Pipe	Effect on water	Cl. 10.3 of IS 4985: 2021
31.	UPVC Pipe	Reversion test	Cl. 10.4 of IS 4985: 2021
32.	UPVC Pipe	Vicat softening temperature	Cl. 10.5 of IS 4985: 2021
33.	UPVC Pipe	Density	Cl. 10.6 of IS 4985: 2021
34.	UPVC Pipe	Sulphated ash content test	Cl. 10.7 of IS 4985: 2021
35.	UPVC Pipe	Hydrostatic characteristics	Cl. 11.1 of IS 4985: 2021
36.	UPVC Pipe	Resistance to external blows at 0 degree	Cl. 11.2 of IS 4985: 2021
37.	CPVC Pipe	Classification of Pipe	Cl. 5 of IS 15778: 2007
38.	CPVC Pipe	Resin	Cl. 6.2 of IS 15778: 2007
39.	CPVC Pipe	Compound Properties	Cl. 6.3 of IS 15778: 2007
40.	CPVC Pipe	Verification of the malfunction Temperature	Cl. 6.3.2 of IS 15778: 2007

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
41.	CPVC Pipe	Density	Cl. 6.3.3 of IS 15778: 2007
42.	CPVC Pipe	Dimensions of Pipes	Cl. 7 of IS 15778: 2007
43.	CPVC Pipe	Pipe Ends	Cl. 8 of IS 15778: 2007
44.	CPVC Pipe	Visual Appearance	Cl. 9.1 of IS 15778: 2007
45.	CPVC Pipe	Opacity	Cl. 9.2 of IS 15778: 2007
46.	CPVC Pipe	Effect on Water	Cl.9.3 of IS 15778: 2007
47.	CPVC Pipe	Reversion Test	Cl.9.4 of IS 15778: 2007
48.	CPVC Pipe	Vicat Softening Temperature	Cl.9.5 of IS 15778: 2007
49.	CPVC Pipe	Hydrostatic Characteristics	Cl.10.1 of IS 15778: 2007
50.	CPVC Pipe	Thermal Stability by Hydrostatic Pressure Testing	Cl.10.2 of IS 15778: 2007
51.	CPVC Pipe	Resistance to external Blow at zero degree	Cl.10.3 of IS 15778: 2007
52.	CPVC Pipe	Flattening Test	Cl.10.4 of IS 15778: 2007
53.	CPVC Pipe	Tensile Strength	Cl.10.5 of IS 15778: 2007

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
54.	HDPE Pipe	Grade of Resin	Cl.4 of IS 4984 : 2016
55.	Polyethylene moulding materials and polyethylene compounds	Melt Flow Rate	Cl. 7 of IS 2530 : 1963
56.	HDPE Pipe	Water Content	Table 2 of Cl. 5.2 (v) of IS 4984: 2016
57.	Polyethylene moulding materials and polyethylene compounds	Melt Flow Rate	Cl. 7 of IS 2530: 1963
58.	HDPE Pipe	Marking	Cl. 10 of IS 4984: 2016
59.	HDPE Pipe	Pipe Description	Cl.6 of IS 4984: 2016
60.	HDPE Pipe	Colour	Cl.6.2 of IS 4984: 2016
61.	HDPE Pipe	Identification stripes	Cl. 6.2.1 of IS 4984: 2016
62.	HDPE Pipe	Out of Squareness	Cl. 7.1 of IS 4984: 2016
63.	HDPE Pipe	Visual Appearance	Cl. 7.1 of IS 4984: 2016
64.	HDPE Pipe	Length	Cl. 7.2 of IS 4984: 2016
65.	HDPE Pipe	Coiling	Cl. 7.3 of IS 4984: 2016

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
66.	HDPE Pipe	Diameter	Cl. 7.4, TABLE 3 & 4 of IS 4984: 2016
67.	HDPE Pipe	Ovality	Cl. 7.4.1.2 of IS 4984: 2016
68.	HDPE Pipe	Internal Pressure Creep Rupture Test of Pipe	Cl. 8.1.1, Table 5 & Annex E of IS 4984: 2016
69.	HDPE Pipe	Internal Pressure Creep Rupture Test of Joints	Cl. 8.1.2, Table 5 & Annex E of IS 4984: 2016
70.	HDPE Pipe	Longitudinal Reversion Test	Cl. 8.2 & Annex F of IS 4984: 2016
71.	HDPE Pipe	Tensile strength	Cl. 8.8 & Annex G of IS 4984: 2016
72.	HDPE Pipe	Elongation at Break	Cl. 8.9, TABLE 6 & Annex H of IS 4984: 2016
73.	HDPE Pipe	Slow Crack Growth Rate	Cl. 8.10 ANNEX E & J of IS 4984 : 2016
74.	Thermoplastics Pipes	Opacity	IS 12235 PART 3: 2004
75.	Thermoplastics Pipes	Reversion test	IS 12235 PART 5 SEC 1: 2004
76.	Thermoplastics Pipes	Reversion test	IS 12235 PART 5 SEC 2: 2004
77.	Thermoplastics Pipes	Hydrostatic characteristics	IS 12235 PART 8 SEC 1: 2004
78.	Thermoplastics Pipes	Hydrostatic characteristics	IS 12235 PART 8 SEC 4: 2004

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
79.	Thermoplastics Pipes	Diameter	IS 12235 PART 1: 2004
80.	Thermoplastics Pipes	Opacity	IS 12235 PART 3: 2004
81.	Thermoplastics Pipes	Reversion test	IS 12235 PART 5 SEC 1: 2004
82.	Thermoplastics Pipes	Reversion test	IS 12235 PART 5 SEC 2: 2004
83.	Thermoplastics Pipes	Vicat softening temperature	IS 12235 PART 2: 2004
84.	Thermoplastics Pipes	hydrostatic characteristics	IS 12235 PART 8 SEC 1 : 2004
85.	HDPE Pipe	Thermal Stability	Cl. 5.3 & 6.1.1 of IS 4984 : 2016
86.	Thermoplastics Pipes	Flattening Test	IS 12235 PART 19 : 2004
87.	Thermoplastics Pipes	Tensile strength	IS 12235 PART 13: 2004
88.	PE Moulding Materials and PE Compounds	Yield Stress	Cl. 6 of IS 2530: 1963
89.		Tensile Strength	Cl. 6 of IS 2530 : 1963
90.		Elongation At Break	Cl. 6 of IS 2530: 1963
91.		Vicat Softening Point	Cl. 9 of IS 2530: 1963
92.	Plastic & plastics Products	Vicat softening temperature	IS 13360 (Part 6/Sec 1) : 2025

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
93.	Plastic & plastics Products	Vicat softening temperature	ISO 306: 2022
94.	PE Pipes for the Supply of Gaseous Fuels	Grade of Resin	Cl. 4.2 of IS 14885: 2022
95.		Nominal Diameter	Cl. 4.3 of IS 14885: 2022
96.		Colour	Cl. 4.4 of IS 14885: 2022
97.		Outside Diameter	Cl. 6.1 & Table 4 of IS 14885: 2022
98.		Out-of-Roundness	Cl. 6.1.2 & Table 5 of IS 14885: 2022
99.		wall thickness	Cl. 6.2 Table 6 & 7 of IS 14885: 2022
100.		Length of Pipe	Cl. 6.4 of IS 14885: 2022
101.		Finish	Cl. 7 of IS 14885: 2022
102.		Hydraulic Characteristics	ANNEX E of IS 4984: 2016
103.		Longitudinal Reversion	ANNEX F of IS 4984 : 2016
104.		Reversion test	Cl. 8.2.2 & Table 10 of IS 14885: 2022
105.		Tensile Yield Strength	Cl. 8.8 of IS 14885: 2022
106.		Elongation at Break	Cl. 8.8 of IS 14885: 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
107.	PE Pipes for the Supply of Gaseous Fuels	Slow Crack Growth Rate Test	ANNEX J of IS 4984 : 2016
108.		Squeeze-off	Cl. 8.11 & Annex C of IS 14885: 2022
109.		Marking	Cl. 10 of IS 14885: 2022
110.	Thermoplastics Pipes & Fittings	Mean Outside Diameter	Cl. 3 IS 12235 PART 1 : 2004
111.		Wall thickness	Cl. 5 IS 12235 PART 1 : 2004
112.		Length	Cl. 7 IS 12235 PART 1 : 2004
113.		Vicat softening temperature	IS 12235 PART 2 : 2004
114.		Opacity	IS 12235-3 : 2004
115.		Longitudinal Reversion	IS 12235 PART 5 SCE 1: 2004
116.		Longitudinal Reversion	IS 12235 PART 5 SEC 2 : 2004
117.		Stress Relief Test	IS 12235 PART 6 : 2004
118.		Resistance to internal Hydrostatic Pressure	Cl. 8 of IS 12235 PART 8 Sec 1 : 2004
119.		Resistance to External Below at 0°C	Is 12235 Part 9 : 2004
120.		Tensile Strength	Is 12235 Part 13 : 2004
121.	Elongation	Is 12235 Part 13 : 2004	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
122.	Thermoplastics Pipes & Fittings	Flattening Test	Is 12235 Part 19 : 2004
123.	CPVC Compounds for Pipe & Fittings	Designation	Cl. 4 of IS 15225 : 2002
124.		Vicat softening temperature	IS 13360 PART 6/ SEC 1 : 2025
125.		Charpy Impact Strength	IS 13360 PART 5/ SEC 5 : 2017
126.		Tensile Strength	IS 13360 PART 5/ SEC 1 : 2021
127.		Tensile Modulus	IS 13360 PART 5/ SEC 1 : 2021
128.	PE Moulding Materials and PE Compounds	Preparation of water Extract	Cl. 14.1 of IS 2530 : 1963
129.		Water soluble Sulphates	Cl. 14.3 of IS 2530 : 1963
130.		Water soluble chlorides	Cl. 14.4 of IS 2530 : 1963
131.	Plastic & plastics Products	Hardness	ISO 868 : 2003
132.	Plastic & plastics Products	Hardness	IS 13360 (Part 5/Sec 11) : 2013
133.	Plastic & plastics Products	Melt Mass-Flow Rate	ISO 1133-1 : 2022
134.	Plastic & plastics Products	Melt Mass-Flow Rate	IS 13360 (Part 4/Sec 1/Sub-sec 1) : 2000

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
135.	Plastic & plastics Products	Water absorption	ISO 62 : 2008
136.	Plastic & plastics Products	Water absorption	IS 13360 (Part 8/Sec 1) : 2022
137.	PE Pipes for the Supply of Gaseous Fuels	Melt Flow Rate	IS 2530 : 1963
138.	PE Pipes for the Supply of Gaseous Fuels	Water Content	Annex D of IS 4984 : 2016
139.	PE Pipes for the Supply of Gaseous Fuels	Tensile Strength	IS 13360-5-3 : 2022
140.	PE Pipes for the Supply of Gaseous Fuels	Elongation at Break	IS 13360-5-3 : 2022
141.	PE Pipes for the Supply of Gaseous Fuels	Resistance to gas condensate	Cl.5.5 of IS 14885 : 2022
142.	PE Pipes for the Supply of Gaseous Fuels	Tensile yiled Strength	Cl.8.8 of IS 14885 : 2022
143.	PE Pipes for the Supply of Gaseous Fuels	Elongation at Break	Cl.8.8 of IS 14885 : 2022
144.	PE Pipes for the Supply of Gaseous Fuels	Slow crack growth rate	Annex E of IS 4984 : 2016
145.	PE Pipes for the Supply of Gaseous Fuels	Effect of Gas Condensate on the Hydrostatic Strength	Cl.5.5 of IS 14885 : 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
146.	PE Pipes for the Supply of Gaseous Fuels	Resistance to Weathering - Elongation at break	Cl. 5.6 & Cl. 8.8 of IS 14885 : 2022
147.	PE Pipes for the Supply of Gaseous Fuels	Resistance to Weathering - Hydrostatic characteristics	Annex E of IS 4984 : 2016
148.	PE Pipes for the Supply of Gaseous Fuels	Melt Flow Rate (MFR)	IS 2530: 1963
149.	PE Pipes for the Supply of Gaseous Fuels	Resistance to Weathering	Cl. 8.9 & Annex B of IS 14885 : 2022
150.	CPVC Compounds for Pipe & Fittings	Form	Cl. 8.1.3 of IS 15225: 2002
151.	CPVC Compounds for Pipe & Fittings	Appearance	Cl. 8.1.5 of & Annex-B IS 15225: 2002
152.	CPVC Compounds for Pipe & Fittings	Designation	Cl. 4 of IS 15225: 2002
153.	PE Pipes for the Supply of Gaseous Fuels	Outside Diameter and Out-of-Roundness	Cl.6.1 of IS 14885 : 2022
154.	PE Pipes for the Supply of Gaseous Fuels	Wall Thickness	Cl.6.2 of IS 14885 : 2022
155.	PE Pipes for the Supply of Gaseous Fuels	Finish	Cl.7 of IS 14885 : 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
156.	Chlorinated Polyvinyl Chloride Compounds Used for Pipes and Fittings	Designation	Cl.4.2 of IS 15225 : 2002
157.	Plastic & plastics Products	Vicat Softening Temperature	ISO 306 : 2022
158.	Plastic & plastics Products	Density	IS 13360-3-10 : 2021
159.	Plastic & plastics Products	Density	IS 13360-3-11 : 2021
160.	Plastic & plastics Products	Density	IS 13360-3-12 : 2016
161.	Plastic & plastics Products	Density	ISO 1183-1 : 2019
162.	Plastic & plastics Products	Density	ISO 1183-2 : 2019
163.	Plastic & plastics Products	Density	ISO 1183-3 : 1999
164.	Plastic & plastics Products	Density	ASTM D1505 : 2018
165.	Plastic & plastics Products	Water Absorption	ISO 62 : 1999
166.	Plastic & plastics Products	Water Absorption	ASTM D570 : 2022
167.	Plastic & plastics Products	Hardness	ASTM D2240 : 2021
168.	Plastic & plastics Products	Hardness	ISO 868 : 2003

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
169.	Plastic & plastics Products	Melt Flow Rate	IS 13360 Part 4 Sec 1 Sub. 1 : 2000
170.	Plastic & plastics Products	Melt Flow Rate	ISO 1133-1 : 2011
171.	Plastic & plastics Products	Melt Flow Rate	ISO 1133-2 : 2011
172.	Plastic & plastics Products	Melt Flow Rate	ASTM D 1238 : 2013



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resin		
1.	HDPE Pipe	General	Cl. 5.1 & Table 1 of IS 4984 : 2016
2.	Polyethylene Material for Moulding and Extrusion	Base Density	IS 7328 : 2020
3.	HDPE Pipe	Thermal Stability	Table 2 of Cl. 5.2 (iii) & ANNEX B of IS 4984 : 2016
4.	HDPE Pipe	Volatile Matter	Table 2 of Cl. 5.2 (iv) & ANNEX C of IS 4984 : 2016
5.	Polyethylene moulding materials and polyethylene compounds	Carbon Black Content	Cl. 10 of IS 2530: 1963
6.	Polyethylene moulding materials and polyethylene compounds	Carbon Black Dispersion	Cl. 16 of IS 2530 : 1963
7.	HDPE Pipe	Oxidation Induction Time	Cl. 8.5 & Annex-B of IS 4984: 2016
8.	HDPE Pipe	Overall Migration	IS 9845: 1998
9.	Polyethylene Material for Moulding and Extrusion	Density	IS 7328: 2020
10.	UPVC Pipe	Density	IS 12235 PART 14 : 2004
11.	Plastic & plastics Products	Density	IS 13360 PART 3 SEC 1: 1995
12.	Plastic & plastics Products	Relative Density	IS 13360 PART 3 SEC 1: 1995

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resin		
13.	Thermoplastics Pipes	Density	IS 12235 PART 14 : 2004
14.	PE Moulding Materials And PE Compounds	Carbon Black Content	Cl. 10 of IS 2530: 1963
15.	PE Moulding Materials And PE Compounds	Colour Bleeding	Cl. 12 of IS 2530: 1963
16.	PE Moulding Materials And PE Compounds	pH	Cl. 14.2 of IS 2530: 1963
17.	PE Moulding Materials And PE Compounds	Carbon Black Dispersion	Cl. 16 of IS 2530 :1963
18.	Plastic & plastics Products	Density	IS 13360 (Part 3/Sec 10) : 2021
19.	PE Pipes for the Supply of Gaseous Fuels	Conventional Density	IS 7328: 2020
20.	PE Pipes for the Supply of Gaseous Fuels	Oxidation Induction Time	Annex B of IS 4984 : 2016
21.	PE Pipes for the Supply of Gaseous Fuels	Pigment Dispersion	Annex A of IS 14885 : 2022
22.	Thermoplastics Pipes & Fittings	Specific Gravity	IS 12235 PART 14 : 2004
23.	Thermoplastics Pipes & Fittings	Relative Density	IS 12235 PART 14 : 2004

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resin		
24.	Thermoplastics Pipes & Fittings	Density	IS 12235 PART 14 : 2004
25.	Thermoplastics Pipes & Fittings	ASH content	IS 12235 PART 17 : 2004
26.	Thermoplastics Pipes & Fittings	Sulphated Ash Content	IS 12235 PART 17 : 2004
27.	CPVC Compounds for Pipe & Fittings	Chlorine content	IS 4669 : 1968
28.	CPVC Compounds for Pipe & Fittings	Ash content	Cl. 8.3 of IS 15225 : 2002
29.	Plastic & plastics Products	Density	ISO 1183-1 : 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
1.	Direct Evaporative Air Cooler	Construction	Cl. 5 of IS 3315: 2024
2.	Direct Evaporative Air Cooler	Rating Requirement - Rating	Cl. 6 of IS 3315: 2024
3.	Direct Evaporative Air Cooler	Rating Requirement - Frequency	Cl. 6 of IS 3315: 2024
4.	Direct Evaporative Air Cooler	Test Conditions	Cl. 7 of IS 3315: 2024
5.	Direct Evaporative Air Cooler	Stable Operating Conditions	Cl. 7.8 of IS 3315: 2024
6.	Direct Evaporative Air Cooler	Performance Requirement	Cl. 8 of IS 3315: 2024
7.	Direct Evaporative Air Cooler	Sound Test	Cl. 8.2 of IS 3315: 2024
8.	Direct Evaporative Air Cooler	Power Consumption	Cl. 8.5 of IS 3315: 2024
9.	Direct Evaporative Air Cooler	EER Calculation Method	Cl. 8.6 of IS 3315: 2024
10.	Direct Evaporative Air Cooler	Drop Test	Cl. 8.7 of IS 3315: 2024
11.	Direct Evaporative Air Cooler	Air Cooler Blower/ Fan Reliability Test	Cl. 8.8 of IS 3315: 2024
12.	Direct Evaporative Air Cooler	High Revolution per Minute	Cl. 8.8(a) of IS 3315: 2024
13.	Direct Evaporative Air Cooler	Endurance Test	Cl. 8.8(b) of IS 3315: 2024
14.	Direct Evaporative Air Cooler	Creep Test	Cl. 8.8 © of IS 3315: 2024
15.	Direct Evaporative Air Cooler	Accuracy of Instrument	Cl. 9 of IS 3315: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
16.	Direct Evaporative Air Cooler	Test Chamber	Cl. 10 of IS 3315: 2024
17.	Direct Evaporative Air Cooler	Calculation of Air Flow	Cl. 11 of IS 3315: 2024
18.	Direct Evaporative Air Cooler	Test	Cl. 12 of IS 3315: 2024
19.	Direct Evaporative Air Cooler	Type tests	Cl. 12.b) & 12.3 of IS 3315: 2024
20.	Direct Evaporative Air Cooler	Classification of Tests	Cl. 12.1 of IS 3315: 2024
21.	Direct Evaporative Air Cooler	Routine tests	Cl. 12.1.a) of IS 3315: 2024
22.	Direct Evaporative Air Cooler	Routine Tests	Cl. 12.2 of IS 3315: 2024
23.	Direct Evaporative Air Cooler	General Running Test	Cl. 12.2.1 of IS 3315: 2024
24.	Direct Evaporative Air Cooler	Protection Against Electric shock	Cl. 12.2.2 of IS 3315: 2024
25.	Direct Evaporative Air Cooler	Finish	Cl. 12.2.6 of IS 3315: 2024
26.	Direct Evaporative Air Cooler	Air delivery test	Cl. 12.3.b) & 8.3 of IS 3315: 2024
27.	Direct Evaporative Air Cooler	Cooling Efficiency	Cl. 12.3.c) & 8.4 of IS 3315: 2024
28.	Direct Evaporative Air Cooler	Power consumption test	Cl. 12.3.d) & 8.5 of IS 3315: 2024
29.	Direct Evaporative Air Cooler	High Voltage Test	Cl. 12.2.3 of IS 3315: 2024
30.	Direct Evaporative Air Cooler	Leakage current	Cl. 12.2.4 of IS 3315: 2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
31.	Direct Evaporative Air Cooler	Energy Consumption	Cl. 13.5 of IS 3315: 2024
32.	Household Refrigerating appliance	Classification	Cl. 4 of IS 17550 (Part 1) : 2024
33.	Household Refrigerating appliance	Marking	Cl. 5 & 20.1 of IS 17550 (Part 1) : 2024
34.	Household Refrigerating appliance	General	Cl. 6.1 of IS 17550 (Part 1) : 2024
35.	Household Refrigerating appliance	Determination of Linear Dimension	Cl.6.2 of IS 17550(Part 1) : 2024
36.	Household Refrigerating appliance	Instruction	Cl. 7 of IS 17550 (Part 1) : 2024
37.	Household Refrigerating appliance	General	Cl. 8.1 & 20.1 of IS 17550 (Part 1) : 2024
38.	Household Refrigerating appliance	Materials and Finishes	Cl. 8.2 & 20.1 of IS 17550 (Part 1) : 2024
39.	Household Refrigerating appliance	Thermal Insulation and Air tightness	Cl. 8.3 & 20.1 of IS 17550 (Part 1) : 2024
40.	Household Refrigerating appliance	Doors, Lids and Fittings	Cl. 8.4 & 20.1 of IS 17550 (Part 1) : 2024
41.	Household Refrigerating appliance	Shelves and Containers	Cl. 8.5 & 20.1 of IS 17550 (Part 1) : 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
42.	Household Refrigerating appliance	Disposal of Defrost Water	Cl. 8.6 & 20.1 of IS 17550 (Part 1) : 2024
43.	Household Refrigerating appliance	Refrigerating System	Cl. 8.7 & 20.1 of IS 17550 (Part 1) : 2024
44.	Household Refrigerating appliance	Supply Cord	Cl. 8.8 & 20.1 of IS 17550 (Part 1) : 2024
45.	Household Refrigerating appliance	Compressor	Cl. 8.9 & 20.1 of IS 17550 (Part 1) : 2024
46.	Household Refrigerating appliance	Temperature Sensing Control (Thermostat)	Cl. 8.10 & 20.1 of IS 17550 (Part 1) : 2024 & IS/IEC 60730-2-9 : 2011
47.	Household Refrigerating appliance	Temperature Sensing Control (Thermostat) Setting	Cl. 8.11 & 20.1 of IS 17550 (Part 1) : 2024
48.	Household Refrigerating appliance	Ice Cube Tray	Cl. 8.12 & 20.1 of IS 17550 (Part 1) : 2024
49.	Household Refrigerating appliance	Testing the Air Tightness of Door or Lid Seal(s)	Cl. 9 & 20.1 of IS 17550 (Part 1) : 2024
50.	Household Refrigerating appliance	Testing the Durability of Hinges and Handles of Door(s) and Lid(s)	Cl. 11 & 20.1 of IS 17550 (Part 1) : 2024
51.	Household Refrigerating appliance	Testing the Mechanical strength of Shelves and similar components	Cl. 12 & 20.1 of IS 17550 (Part 1) : 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
52.	Household Refrigerating appliance	Water Vapour Condensation Test	Cl.13 of IS 17550-1 & Cl. 4.6 d) & Annex D of IS 17550-2: 2024
53.	Household Refrigerating appliance	Ice Making Test	Cl. 14 & 20.1 of IS 17550 (Part 1) : 2024
54.	Household Refrigerating appliance	Test for Absence of Odour and Taste	Cl. 15 & 20.1 of IS 17550 (Part 1) : 2024
55.	Household Refrigerating appliance	Protection against access to live parts	Cl. 16(a) & 20.1 of IS 17550 (Part 1) : 2024
56.	Household Refrigerating appliance	Power Input and Current	Cl. 16(b) & 20.1 of IS 17550 (Part 1) : 2024
57.	Household Refrigerating appliance	Heating	Cl. 16(c) & 20.1 of IS 17550 (Part 1) : 2024
58.	Household Refrigerating appliance	Leakage current and Electric Strength at Operating Temperature	Cl. 16(d) & 20.1 of IS 17550 (Part 1) : 2024
59.	Household Refrigerating appliance	Moisture Resistance	Cl. 16(e) & 20.1 of IS 17550 (Part 1) : 2024
60.	Household Refrigerating appliance	Leakage Current and Electric strength (High voltage after Humidity)	Cl. 16(f) & 20.1 of IS 17550 (Part 1) : 2024
61.	Household Refrigerating appliance	Packing	Cl. 17 of IS 17550 (Part 1) : 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
62.	Household Refrigerating appliance	Designation	Cl. 18 of IS 17550 (Part 1) : 2024
63.	Household Refrigerating appliance	Instruction for use and maintenance	Cl. 19 of IS 17550 (Part 1) : 2024
64.	Household Refrigerating appliance	Leakage current test	Cl. 20.3 (a) of IS 17550 (Part 1) : 2024
65.	Household Refrigerating appliance	Earth Continuity Test	Cl. 20.3 (b) of IS 17550 (Part 1) : 2024
66.	Household Refrigerating appliance	Electric Strength	Cl. 20.3 (c) of IS 17550 (Part 1) : 2024
67.	Household Refrigerating appliance	General	Cl. 4.1 of IS 17550 (Part2) : 2024
68.	Household Refrigerating appliance	Cooling Capacity test	Cl. 4.3 , Cl. 7 of IS 17550 (Part 2) & Cl. 20.1 of IS 17550 (Part 1):2024
69.	Household Refrigerating appliance	Freezing Capacity Test	Cl. 4.4 , Cl. 8 of IS 17550 (Part 2) & Cl. 20.1 of IS 17550 (Part 1):2024
70.	Household Refrigerating appliance	Automatic Ice Making Capacity Test	Cl. 4.5 , Cl. 9 of IS 17550 (Part 2) & Cl. 20.1 of IS 17550 (Part 1):2024
71.	Household Refrigerating appliance	Pull down test	Cl. 4.6(a) , Annex A of IS 17550 (Part 2) & Cl. 20.1 of IS 17550 (Part 1):2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
72.	Household Refrigerating appliance	Wine Storage Appliances And Compartments; Storage Test	Cl. 4.6(b) , Annex B of IS 17550 (Part 2) & Cl. 20.1 of IS 17550 (Part 1):2024
73.	Household Refrigerating appliance	Temperature Rise test	Cl. 4.6(c) & Annex C of IS 17550 (Part 2) & Cl. 20.1 of IS 17550 (Part 1):2024
74.	Household Refrigerating appliance	Water Vapour Condensation Test	Cl. 4.6(d), 13, Annex D of IS 17550 (Part 2) & Cl. 20.1 of IS 17550 (Part 1):2024
75.	Household Refrigerating appliance	Determination of Energy Consumption	Cl. 6 of IS 17550 (Part 3):2025 & Cl. 20.1 of IS 17550 (Part 1):2024
76.	Household Refrigerating appliance	Determination of Steady State power and Temperature	Annex B of IS 17550 (Part 3) : 2025
77.	Household Refrigerating appliance	Defrost and Recovery Energy and Temperature Change	Annex C of IS 17550 (Part 3) : 2025
78.	Household Refrigerating appliance	Defrost Interval	Annex D of IS 17550 (Part 3) : 2025
79.	Household Refrigerating appliance	Energy consumption of Specified auxiliaries	Annex F of IS 17550 (Part 3) : 2025
80.	Household Refrigerating appliance	Determination of Load processing efficiency	Annex G of IS 17550 (Part 3) : 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
81.	Household Refrigerating appliance	Determination of Volume	Cl. 4.8 , Annex H of IS 17550 (Part 3):2025 & Cl. 20.1 of IS 17550 (Part 1):2024
82.	Household Refrigerating appliance	Analysis of a refrigerating appliance without steady state between defrost	Annex L of IS 17550 (Part 3) : 2025
83.	Commercial refrigerator	Pressure Tests	Cl.7.1(a) & 7.5.1 of IS 1474 : 1959
84.	Commercial refrigerator	Insulation Resistance Test (Assembly Test)	Cl.7.1(c) & 7.5.3 of IS 1474 : 1959
85.	Commercial refrigerator	Condensation Test	Cl.7.1(e) & 7.5.5 of IS 1474 : 1959
86.	Commercial refrigerator	Door seal Test	Cl.7.1(h) & 7.5.8 of IS 1474 : 1959
87.	Commercial refrigerator	Thermostat Test	Cl.7.2(a) , 7.3 & 7.6.1 of IS 1474 : 1959
88.	Commercial refrigerator	Electric Insulation Test	Cl.7.2(b) , 7.3 & 7.6.2 of IS 1474 : 1959
89.	Commercial refrigerator	Door Seal Test	Cl.7.2(c) & 7.3 of IS 1474 : 1959
90.	Commercial refrigerator	Test for Adequate rating of compressor motor	Cl.7.2(d) , 7.3 & 7.6.4 of IS 1474 : 1959
91.	Commercial refrigerator	Door Seal Test	Cl.7.6.3 Of IS 1474 : 1958

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
92.	Commercial Beverage Coolers —Classification, Requirements and Test Conditions	Electrical Components	Cl.5.2.5 IS 2167:2024/ ISO 22044 : 2021
93.		General	Cl. 6.1 of IS 2167:2024/ ISO 22044 : 2021
94.		General	Cl. 6.2.1 of IS 2167:2024/ ISO 22044 : 2021
95.		Seal test for doors and lids	Cl. 6.2.2 of IS 2167:2024/ ISO 22044 : 2021
96.		Test on durability of door and lid	Cl. 6.2.3 of IS 2167:2024/ ISO 22044 : 2021
97.		Linear dimensions, areas and volumes	Cl. 6.2.4 of IS 2167:2024/ ISO 22044 : 2021
98.		Commercial Beverage Coolers —Classification, Requirements and Test Conditions	General
99.	M-can		Cl. 6.3.3 of IS 2167:2024/ ISO 22044 : 2021
100.	Loading the commercial beverage cooler		Cl. 6.3.5 of IS 2167:2024/ ISO 22044 : 2021
101.	Running in period		Cl. 6.3.6 of IS 2167:2024/ ISO 22044 : 2021
102.	Test with M-cans		Cl. 6.3.11 of IS 2167:2024/ ISO 22044 : 2021

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Heating, Ventilating, and Air Conditioning (HVAC)			
103.		Water vapour condensation test	Cl. 6.3.12 of IS 2167:2024/ ISO 22044 : 2021	
104.		Marking	Cl. 7 of IS 2167:2024/ ISO 22044 : 2021	
105.		Net volume calculation	Annex B of IS 2167:2024/ ISO 22044 : 2021	
106.		Equivalent volume calculation	Annex C of IS 2167:2024/ ISO 22044 : 2021	
107.		TDA calculation	Annex D of IS 2167:2024/ ISO 22044 : 2021	
108.		Test for absence of odour and taste	Annex E of IS 2167:2024/ ISO 22044 : 2021	
109.		Commercial Beverage Coolers — Classification, Requirements and Test Conditions	Performance and energy rating of commercial beverage cooler	Annex F of IS 2167:2024/ ISO 22044 : 2021
110.			Lighting test	Annex G of IS 2167:2024/ ISO 22044 : 2021
111.	Refrigerated Display Cabinets	General	Cl. 4.1.1 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015	
112.	Refrigerated Display Cabinets	Electrical Components	Cl. 4.1.5 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015	
113.	Refrigerated Display Cabinets	Temperature Display	Cl. 4.1.6 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
114.	Refrigerated Display Cabinets	Absence of Odor and taste	Cl. 4.2.1 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
115.	Refrigerated Display Cabinets	Classification according to Temperature	Cl. 4.2.2 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
116.	Refrigerated Display Cabinets	Defrosting	Cl. 4.2.3 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
117.	Refrigerated Display Cabinets	Water Vapour Condensation	Cl. 4.2.4 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
118.	Refrigerated Display Cabinets	Energy consumption	Cl. 4.2.5 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
119.	Refrigerated Display Cabinets	Specific Energy consumption	Cl. 4.2.6 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
120.	Refrigerated Display Cabinets	General	Cl. 5.1 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
121.	Refrigerated Display Cabinets	Seal test for doors and lids on low Temperature applications	Cl. 5.2.1 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
122.	Refrigerated Display Cabinets	Linear dimensions, area	Cl. 5.2.2 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
123.	Refrigerated Display Cabinets	Temperature test	Cl. 5.3.3 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
124.	Refrigerated Display Cabinets	Water vapour condensation test	Cl. 5.3.4 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
125.	Refrigerated Display Cabinets	Electrical energy consumption test	Cl. 5.3.5 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
126.	Refrigerated Display Cabinets	Heat extraction rate measurement when condensing unit is remote from cabinet	Cl. 5.3.6 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
127.	Refrigerated Display Cabinets	General	Cl. 6.1 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
128.	Refrigerated Display Cabinets	Seal test of doors and lids	Cl. 6.2.1 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
129.	Refrigerated Display Cabinets	Linear dimensions, areas and volumes	Cl. 6.2.2 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
130.	Refrigerated Display Cabinets	Test for absence of odour and taste	Cl. 6.2.3 & Annex C of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
131.	Refrigerated Display Cabinets	Temperature test	Cl. 6.3.3 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
132.	Refrigerated Display Cabinets	Water vapour condensation test	Cl. 6.3.4 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
133.	Refrigerated Display Cabinets	Electrical energy consumption test	Cl. 6.3.5 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
134.	Refrigerated Display Cabinets	Heat extraction rate measurement when the condensing unit is remote from the cabinet	Cl. 6.3.6 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
135.	Refrigerated Display Cabinets	Marking	Cl. 7 of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
136.	Refrigerated Display Cabinets	Total display area (TDA)	Annex A of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
137.	Refrigerated Display Cabinets	Test for absence of odour and taste	Annex C of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
138.	Refrigerated Display Cabinets	Performance and energy rating of commercial refrigerated display cabinets	Annex D of IS 16672(Part2):2024) /ISO 23953(Part2) : 2015
139.	Direct Evaporative Air Cooler	Classification	Cl. 4 of IS 3315 : 2024
140.	Direct Evaporative Air Cooler	Storage	Cl. 14 of IS 3315 : 2024
141.	Drinking Water Coolers	Maximum Power Consumption Test	Cl.9 & 14.1.1 g) of IS 1475 : 2024
142.	Drinking Water Coolers	Annual Energy Consumption Test	Cl.10 & 14.1.1 h) of IS 1475 : 2024
143.	Drinking Water Coolers	Storage Capacity Test	Cl.11 & 14.1.1 j) of IS 1475 : 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
144.	Drinking Water Coolers	Functional Test	Cl.13 of IS 1475 : 2024
145.	Drinking Water Coolers	Marking and information	Cl.15 of IS 1475 : 2024
146.	Household Refrigerating appliance	Classification	Cl. 4 of IEC 62552 (Part 1) : 2015
147.		Marking	Cl. 5 of IEC 62552 (Part 1) : 2015
148.		Wine Storage Test	Annex G of IEC 62552 (part 1) : 2015
149.		General	Cl. 4.1 of IEC 62552 (Part 2) : 2015
150.		Storage test	Cl. 4.2 & Cl. 6 of IEC 62552 (Part 2) : 2015
151.		Cooling Capacity test	Cl. 4.3 & Cl. 7 of IEC 62552 (Part 2) : 2015
152.		Freezing Capacity Test	Cl. 4.4 & Cl. 8 of IEC 62552 (Part 2) : 2015
153.		Automatic Ice Making Capacity Test	Cl. 4.5 & Cl. 9 of IEC 62552 (Part 2) : 2015
154.		Pull down test	Cl. 4.6(a) & Annex A of IEC 62552 (Part 2) : 2015
155.		Wine Storage Test	Cl. 4.6(b) & Annex B of IEC 62552 (Part 2) : 2015
156.	Temperature Rise test	Cl. 4.6(c) & Annex C of IEC 62552 (Part 2) : 2015	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
157.	Household Refrigerating appliance	Water Vapour Condensation Test	Cl. 4.6(d) & Annex D of IEC 62552 (Part 2) : 2015
158.		Determination of energy and volume	Cl. 4 of IEC 62552 (Part 3) : 2015
159.	Commercial refrigerator	Cabinet (Inside Dimension)	Cl.3 of IS 1474: 1959
160.	Commercial refrigerator	Computation of Volume	Cl.3.3 of IS 1474: 1959
161.	Commercial refrigerator	Gross Volume	Cl.3.3.1 of IS 1474: 1959
162.	Commercial refrigerator	Volume of the Evaporator Space	Cl.3.4 of IS 1474: 1959
163.	Commercial refrigerator	Volume of fixed shelves and partitions	Cl.3.5 of IS 1474: 1959
164.	Commercial refrigerators	Computation of shelf area	Cl.3.6 of IS 1474: 1959
165.	Commercial refrigerator	Net volume	Cl.3.7 of IS 1474: 1959
166.	Commercial refrigerator	Construction	Cl.4 of IS 1474: 1959
167.	Commercial refrigerator	Refrigerating System	Cl.5 of IS 1474: 1959
168.	Commercial refrigerator	Electrical Equipment	Cl.6 of IS 1474: 1959
169.	Commercial refrigerator	Production Routine Tests	Cl.7.2 of IS 1474: 1959
170.	Commercial refrigerator	Thermostat Test	Cl.7.6.1 of IS 1474: 1959

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
171.	Commercial refrigerator	Electric Insulation Test	Cl.7.6.2 of IS 1474: 1959
172.	Commercial refrigerator	Door Seal Test	Cl.7.6.3 of IS 1474: 1959
173.	Commercial refrigerator	Test for Adequate rating of compressor motor	Cl.7.6.4 of IS 1474: 1959
174.	Commercial refrigerator	Test Procedures for Type Tests	Cl.7.5 of IS 1474: 1959
175.	Commercial refrigerator	Pressure Test	Cl.7.5.1 of IS 1474: 1959
176.	Commercial refrigerator	Insulation Resistance Test (Assembly Test)	Cl.7.5.3 of IS 1474: 1959
177.	Commercial refrigerators	Thermal Insulation Test	Cl.7.5.4 of IS 1474: 1959
178.	Commercial refrigerator	Condensation Test	Cl.7.5.5 of IS 1474: 1959
179.	Commercial refrigerators	Rating Test	Cl.7.5.6 of IS 1474: 1959
180.	Commercial refrigerators	Test for Adequate Rating of Compressor Motor	Cl.7.5.7 of IS 1474: 1959
181.	Commercial refrigerator	Door Seal Test	Cl.7.5.8 of IS 1474: 1959
182.	Commercial refrigerator	Marking	Cl.9 of IS 1474: 1959
183.	Deep Freezers	Construction	Cl.4 of IS 7872: 2020
184.	Deep Freezers	Doors and Fittings	Cl.4.8 of IS 7872: 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
185.	Deep Freezers	External Doors	4.8.1 of IS 7872: 2020
186.	Deep Freezers	Refrigeration system	Cl.5 of IS 7872: 2020
187.	Deep Freezers	Strength-Pressure Test for Components	Cl.5.4 of IS 7872: 2020
188.	Deep Freezers	Thermal Insulation Test (External Condensation Test)	Cl. 11.6 of IS 7872: 2020
189.	Deep Freezers	Safety Requirements	Cl.6 of IS 7872: 2020
190.	Deep Freezers	Hermitically Sealed Compressor	Cl.6.2 of IS 7872: 2020
191.	Deep Freezers	Protective Guards	Cl.6.3 of IS 7872: 2020
192.	Deep Freezers	Electrical Accessories	Cl.6.4 of IS 7872: 2020
193.	Deep Freezers	Flammable Refrigerant test	Cl. 6.5 of IS 7872: 2020
194.	Deep Freezers	Sound Pressure Level	Cl. 7 of IS 7872: 2020
195.	Deep Freezers	Measurement of Freezer Storage Capacity	Cl.8 of IS 7872: 2020
196.	Deep Freezers	Freezer Installation	Cl.9.1 of IS 7872: 2020
197.	Deep Freezers	Mechanical strength of shelves & similar components	Cl.11.5 of IS 7872: 2020
198.	Deep Freezers	No-Load Pull-Down Test	Cl.11.1 of IS 7872: 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
199.	Deep Freezers	Energy Consumption Test	Cl.11.2 of IS 7872: 2020
200.	Deep Freezers	Temperature Rise Test	Cl.11.3 of IS 7872: 2020
201.	Deep Freezers	Door Seal Test	Cl.11.4 of IS 7872: 2020
202.	Deep Freezers	Mechanical Strength of the Shelves & Similar Components	Cl.11.5 of IS 7872: 2020
203.	Deep Freezers	Thermal Insulation Test (External Condensation Test)	Cl.11.6 of IS 7872: 2020
204.	Deep Freezers	Pressure test	Cl.11.7 of IS 7872: 2020
205.	Deep Freezers	Dimension	Cl.12.1 of IS 7872: 2020
206.	Deep Freezers	Mass	Cl.12.1 of IS 7872: 2020
207.	Deep Freezers	Wrapper	Cl. 12.2 of IS 1474: 1959
208.	Deep Freezers	Marking & Instructions	Cl.13 of IS 7872: 2020
209.	Household Refrigerating Appliances - Refrigerators	Classification	Cl.4 of IS 17550-1: 2021
210.		Marking	Cl.5 of IS 17550-1: 2021
211.		Technical and Commercial Product information	Cl.6 of IS 17550-1: 2021
212.		Determination of Linear Dimensions	Cl.6.2 of IS 17550-1: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
213.	Household Refrigerating Appliances - Refrigerators	Materials, Design and Manufacture	Cl.8 of IS 17550-1: 2021
214.		Testing the air tightness of door or lid seal(s)	Cl.9 of IS 17550-1: 2021
215.		Testing the opening force of door(s) or lid(s)	Cl.10 of IS 17550-1: 2021
216.		Testing the durability of hinges and handles of door(s) and lid(s)	Cl.11 of IS 17550-1: 2021
217.		Testing the mechanical strength of shelves and similar components	Cl.12 of IS 17550-1: 2021
218.		Water vapour Condensation test	Cl.13 of IS 17550-1: 2021
219.		Ice-making test (if applicable)	Cl.14 of IS 17550-1 & 17550-3: 2021
220.		Test for absence of odour and taste	Cl.15 of IS 17550-1: 2021
221.		Safety requirements (Protection against access to live parts; Power input and current; Heating; Leakage current and electric strength at operating temperature; Moisture	Cl.16 of IS 17550-1 & IS 302-1: 2021



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
		resistance; Leakage current and electric strength (high voltage after humidity))	
222.	Household Refrigerating Appliances - Refrigerators	Designation	Cl.18 of IS 17550-1: 2021
223.		Instructions for use and Maintenance	Cl.19 of IS 17550-1: 2021
224.		Earth Continuity Test	(Cl. b) of 20.3 IS 17550-1: 2021
225.		Electric Strength Test	(Cl. c) of 20.3 IS 17550-1: 2021
226.		Cooling capacity test	Cl.4.3 & Cl.7 of IS 17550-2: 2021
227.		Freezing capacity test	Cl.4.4 & Cl.8 of IS 17550-2: 2021
228.		Automatic ice-making capacity test	Cl.4.5 & Cl.9 of IS 17550-2: 2021
229.		Pull- down test	Cl. 4.6 a) & Annex A of IS 17550-2: 2021
230.		Wine storage appliances and compartments; storage test	Cl.4.6 b) & Annex B of IS 17550-2: 2021
231.		Temperature rise test	Cl.4.6 c) & Annex C of IS 17550-2: 2021
232.	Water-vapour condensation test	Cl. 4.6 d) of Annex D of IS 17550-2: 2021	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
233.	Household Refrigerating Appliances - Refrigerators	Storage test	Cl.6 of IS 17550-2: 2021
234.		Determination of Steady state power & temperature	Annex B of IS 17550-3: 2021
235.		Defrost and recovery energy and temperature change	Annex C of IS 17550-3: 2021
236.		Defrost interval	Annex D of IS 17550-3: 2021
237.		Interpolation of results	Annex E of IS 17550-3: 2021
238.		Energy consumption of specified auxiliaries	Annex F of IS 17550-3: 2021
239.		Determination of load processing efficiency	Annex G of IS 17550-3: 2021
240.		Determination of Volume	Cl.4.8 of IS 17550-3 & Annex H of IS 17550-3: 2021
241.		Analysis of refrigerating appliance without steady state between defrosts	Annex L of IS 17550-3: 2021
242.		Determination of energy consumption	Cl.6 of IS 17550-3: 2021
243.		Determination of compartment average air temperatures	Annex D of IEC 62552-1: 2015
244.		Pull- down test	Annex A of IEC 62552-2: 2015

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
245.	Household refrigerating appliances -Refrigerators	Wine Storage appliances and compartments; storage test	Annex B of IEC 62552-2: 2015
246.		Temperature rise test	Annex C of IEC 62552-2: 2015
247.		Water vapour condensation test	Annex D of IEC 62552-2: 2015
248.		Storage Test	Cl.6 of IEC 62552-2: 2015
249.		Cooling capacity test	Cl.7 of IEC 62552-2: 2015
250.		Freezing capacity test	Cl.8 of IEC 62552-2: 2015
251.		Automatic ice making capacity test	Cl.9 of IEC 62552-2: 2015
252.		Determination of Steady state power & temperature	Annex B of IEC 62552-3: 2015
253.		Defrost and recovery energy and temperature change	Annex C of IEC 62552-3: 2015
254.		Defrost interval	Annex D of IEC 62552-3: 2015
255.		Interpolation of results	Annex E of IEC 62552-3: 2015
256.		Energy consumption of specified auxiliaries	Annex F of IEC 62552-3: 2015
257.		Determination of load processing efficiency	Annex G of IEC 62552-3: 2015



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
258.	Household refrigerating appliances -Refrigerators	Determination of Volume	Cl.4.8 of IEC 62552-3 & Annex H of IEC 62552-3: 2015
259.		Determination of energy consumption	Cl.6 of IEC 62552-3 & Annex A of IEC 62552-3: 2015
260.	Self-contained automatic ice makers	Construction	Cl.4 of IS 11328: 2022
261.		Refrigerating System	Cl. 5 of IS 11328:2022
262.		Electrical Equipment	Cl.6 of IS 11328: 2022
263.		General Requirements for Test	Cl.7.1 of IS 11328: 2022
264.		Ice Weighing Instruments	Cl.7.2 of IS 11328: 2022
265.		Type Tests	Cl. 7.3 of IS 11328: 2022
266.		Routine Tests	Cl.7.4 of IS 11328: 2022
267.		Leakage Current Test	Cl.7.4 a of IS 11328: 2022
268.		Earth Continuity Test	Cl. 7.4 b of IS 11328: 2022
269.		Electric Strength Test	Cl. 7.4 c of IS 11328: 2022
270.		Acceptance Tests	Cl.7.5 of IS 11328: 2022
271.		Test Procedure	Cl. 7.6 of IS 11328: 2022
272.	Stabilization	Cl. 7.6.1 of IS 11328: 2022	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
273.	Self-contained automatic ice makers	Capacity Test/ Ice making Test	Cl.7.6.2 of IS 11328: 2022
274.		Water Consumption test	Cl. 7.6.3 of IS 11328: 2022
275.		Energy Consumption Test	Cl.7.6.4 of IS 11328: 2022
276.		Ice Quality Measurement by Method of Calorimeter	Cl.7.6.5 of IS 11328: 2022
277.		Maximum Operating Condition Test	Cl. 7.6.6 of IS 11328: 2022
278.		Marking	Cl. 8 of IS 11328: 2022
279.	Bottled Water Dispensers	Construction	Cl.4 of IS 17681:2022
280.		Refrigeration system	Cl.5 of IS 17681:2022
281.		Safety requirements	Cl.6 of IS 17681:2022
282.		General	Cl.6.1 of IS 17681: 2022
283.		Electrical accessories	Cl.6.2 of IS 17681: 2022
284.		Salt mist test	Cl.6.3 of IS 17681: 2022
285.		Sound pressure level	Cl.7 of IS 17681: 2022
286.		General conditions of tests	Cl.8 of IS 17681: 2022
287.		Measurement	Cl.9 of IS 17681:2022

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Heating, Ventilating, and Air Conditioning (HVAC)			
288.	Bottled Water Dispensers	Performance tests	Cl.10 of IS 17681: 2022	
289.		Cooling capacity test	Cl.10.1 of IS 17681: 2022	
290.		Maximum operating condition test (Environmental)	Cl.10.2 of IS 17681:2022	
291.		Maximum operating condition test (Voltage)	Cl.10.3 of IS 17681: 2022	
292.		Heating capacity test	Cl.10.4 of IS 17681: 2022	
293.		Annual energy consumption test	Cl.10.5 of IS 17681: 2022	
294.		Freeze-up test	Cl.10.6 of IS 17681: 2022	
295.		Door opening and closing test	Cl.10.7 of IS 17681: 2022	
296.		Door seal test	Cl.10.8 of IS 17681: 2022	
297.		Pull-down test	Cl.10.9 of IS 17681: 2022	
298.		Marking and instructions	Cl.11 of IS 17681: 2022	
299.		Refrigerated Display Cabinets	Cabinet families and types	Cl. 3.1 of IS 16672 (P-1):2017/ ISO 23953-1:2015
300.		Refrigerated Display Cabinets	Refrigerated display cabinet shapes	Cl. 3.2 of IS 16672 (P-1):2017/ ISO 23953-1:2015
301.	Refrigerated Display Cabinets	Parts of Refrigerated display cabinet	Cl. 3.3 of IS 16672 (P-1):2017/ ISO 23953-1:2015	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
302.	Refrigerated Display Cabinets	Dimensional characteristics	Cl. 3.4 of IS 16672 (P-1):2017/ ISO 23953-1:2015
303.	Refrigerated Display Cabinets	Operating Characteristics	Cl. 3.5 of IS 16672 (P-1):2017/ ISO 23953-1:2015
304.	Refrigerated Display Cabinets	Test Environment	Cl. 3.6 of IS:16672 (P-1):2017/ ISO 23953-1:2015
305.	Refrigerated Display Cabinets	General	Cl. 3.7 of IS 16672 (P-1):2017/ ISO 23953-1:2015
306.	Refrigerated Display Cabinets	Requirements	Cl. 4 of IS 16672 (P- 2):2017/ ISO 23953-1: 2015
307.	Refrigerated Display Cabinets	Construction	Cl. 4.1 of IS 16672 (P-2):2017/ ISO 23953-1:2015
308.	Refrigerated Display Cabinets	Operating characteristics	Cl. 4.2 of IS 16672(P-2): 2017/ ISO 23953-1:2015
309.	Refrigerated Display Cabinets	General	Cl. 5.1 of IS 16672 (P-2):2017/ISO 23953-1:2015
310.	Refrigerated Display Cabinets	Test outside test room	Cl. 5.2 of IS 16672 (P-2):2017/ ISO 23953-1:2015
311.	Refrigerated Display Cabinets	Seal test for doors and lids on low temperature applications	Cl. 5.2.1 of IS 16672 (P- 2): 2017/ ISO 23953-1:2015
312.	Refrigerated Display Cabinets	Linear dimensions, area	Cl.5.2.2 of IS 16672 (P-2): 2017/ ISO 23953-1:2015

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
313.	Refrigerated Display Cabinets	Test inside test room	Cl. 5.3 of IS 16672 (P-2):2017/ ISO 23953-1:2015
314.	Refrigerated Display Cabinets	General conditions	Cl. 5.3.1 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
315.	Refrigerated Display Cabinets	Preparation of test cabinet and general test procedures	Cl. 5.3.2 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
316.	Refrigerated Display Cabinets	Temperature test	Cl. 5.3.3 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
317.	Refrigerated Display Cabinets	Water vapour condensation test	Cl. 5.3.4 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
318.	Refrigerated Display Cabinets	Electrical energy consumption test	Cl. 5.3.5 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
319.	Refrigerated Display Cabinets	Heat extension rate measurement when condensing unit is remote from cabinet	Cl. 5.3.6 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
320.	Refrigerated Display Cabinets	General	Cl. 6.1 of IS 16672 (P-2):2017/ ISO 23953-1:2015
321.	Refrigerated Display Cabinets	Tests outside test room	Cl. 6.2 of IS 16672 (P-2):2017/ ISO 23953-1: 2015
322.	Refrigerated Display Cabinets	Seal test of doors and lids	Cl. 6.2.1 of IS: 16672 (P-2) :2017/ ISO 23953-1:2015

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
323.	Refrigerated Display Cabinets	Linear dimensions, areas and volumes	Cl. 6.2.2 of IS 16672 (P-2) :2017/ ISO 23953-2: 2015
324.	Refrigerated Display Cabinets	Test for absence of odour and taste	Cl. 6.2.3 & Annex C of IS 16672 (P-2):2017/ ISO 23953-2: 2015
325.	Refrigerated Display Cabinets	Test inside test room	Cl. 6.3 of IS 16672 (P-2):2017/ ISO 23953-2: 2015
326.	Refrigerated Display Cabinets	General test conditions	Cl. 6.3.1 of IS 16672 (P-2):2017/ ISO 23953-1:2015
327.	Refrigerated Display Cabinets	Cabinet preparation	Cl. 6.3.2 of IS 16672 (P-2) :2017/ ISO 23953-2: 2015
328.	Refrigerated Display Cabinets	Temperature test	Cl. 6.3.3 of IS 16672 (P-2) :2017/ ISO 23953-2: 2015
329.	Refrigerated Display Cabinets	Water vapour condensation test	Cl. 6.3.4 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
330.	Refrigerated Display Cabinets	Electrical energy consumption test	Cl. 6.3.5 of IS 16672 (P-2) :2017/ ISO 23953-2:2015
331.	Refrigerated Display Cabinets	Heat extraction rate measurement when the condensing unit is remote from the cabinet	Cl. 6.3.6 of IS 16672 (P-2):2017/ ISO 23953-2:2015
332.	Refrigerated Display Cabinets	Marking	Cl. 7 of IS 16672 (P-2):2017/ ISO 23953-2:2015

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
333.	Refrigerated Display Cabinets	Load limit	Cl. 7.1 of IS 16672 (P-2):2017/ ISO 23953-1:2015
334.	Refrigerated Display Cabinets	Marking plate	Cl. 7.2 of IS 16672 (P-2):2017/ ISO 23953-1:2015
335.	Refrigerated Display Cabinets	Information to be supplied by the manufacturer	Cl. 7.3 of IS 16672 (P-2):2017/ ISO 23953-1:2015
336.	Refrigerated Display Cabinets	Total display area (TDA)	Annex A of IS 16672 (P-2) :2017/ ISO 23953-1: 2015
337.	Refrigerated Display Cabinets	Comparison between laboratory and in-store conditions	Annex B of IS 16672 (P-2) :2017/ ISO 23953-2: 2015
338.	Refrigerated Display Cabinets	Performance and energy rating of commercial refrigerated display cabinets	Annex D of IS 16672(P-2): 2017/ ISO 23953-1:2015
339.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Construction	Cl. 4 of IS 16240:2023
340.		Materials	Cl. 5 of IS 16240:2023
341.		Performance requirements	Cl. 6 of IS 16240:2023
342.		General	Cl. 6.1 of IS 16240:2023
343.		Reject Water Control Mechanism	Cl. 6.2 of IS 16240:2023
344.		Performance	Cl. 6.3 of IS 16240:2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
345.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Percent Recovery of Product Water and Hourly Production Rate	Cl. 6.4 of IS 16240:2023
346.		Electrical Safety	Cl. 6.5 of IS 16240: 2023
347.		Power supply	Cl. 6.6 of IS 16240 :2023
348.		Pressure Test (Hydrostatic Test) - Type Test	Cl. 6.7 of IS 16240: 2023
349.		Routine Pressure Test (Pneumatic Test)	Cl. 6.8 of IS 16240: 2023
350.		Maintenance of the product	Cl. 8 of IS 16240: 2023
351.		Packaging	Cl. 9 of IS 16240: 2023
352.		Marking	Cl. 10 of IS 16240: 2023
353.	Bottle Coolers	Construction	Cl. 4 of IS 2167: 2019
354.	Bottle Coolers	Measurement of Bottle Cooler Storage Capacity	Cl. 5 of IS 2167:2019
355.	Bottle Coolers	Tests	Cl. 6 of IS 2167:2019
356.	Bottle Coolers	Type Tests	Cl. 6.1 of IS 2167:2019
357.	Bottle Coolers	Capacity rating test	Cl. 6.1 f of IS 2167:2019
358.	Bottle Coolers	Thermal insulation test	Cl. 6.1 a of IS 2167:2019

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
359.	Bottle Coolers	Insulation resistance test	Cl. 6.1.b & 6.2 a of IS 2167:2019
360.	Bottle Coolers	High voltage test	Cl. 6.1 c & Cl. 6.2 c of IS 2167:2019
361.	Bottle Coolers	No load performance test	Cl. 6.1 d of IS 2167:2019
362.	Bottle Coolers	Percentage running time test	Cl. 6.1 e of IS 2167:2019
363.	Bottle Coolers	Production Routine Test	Cl. 6.2 of IS 2167:2019
364.	Bottle Coolers	Performance test	Cl. 6.2 b of IS 2167:2019
365.	Bottle Coolers	Preparation and Test Conditions for Type Tests	Cl. 6.3 of IS 2167:2019
366.	Bottle Coolers	Procedure for Type Tests	Cl. 6.5 of IS 2167:2019
367.	Bottle Coolers	Marking and Information	Cl. 7 of IS 2167:2019
368.	Bottle Coolers	Maximum operating condition test	Cl. 6.1 g of IS 2167:2019
369.	Drinking Water Coolers	Classification	Cl.4 of IS 1475: 2024
370.	Drinking Water Coolers	Construction	Cl.5 of IS 1475: 2024
371.	Drinking Water Coolers	Cooling Capacity Tests	Cl.6 of IS 1475: 2024
372.	Drinking Water Coolers	Cooling Capacity Rating Test	Cl.6.3 of IS 1475: 2024
373.	Drinking Water Coolers	Maximum Operating Condition Test	Cl.6.4 of IS 1475: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
374.	Drinking Water Coolers	Pull Down Test	Cl.6.5 of IS 1475: 2024
375.	Drinking Water Coolers	Maximum Power Consumption Test	Cl.9 of IS 1475: 2024
376.	Drinking Water Coolers	Annual Energy Consumption Test	Cl.10 of IS 1475: 2024
377.	Drinking Water Coolers	Storage Capacity Test	Cl.11 of IS 1475: 2024
378.	Drinking Water Coolers	Functional Test	Cl.13 of IS 1475: 2024
379.	Drinking Water Coolers	Schedule of tests	Cl.14 of IS 1475: 2024
380.	Drinking Water Coolers	Marking and information	Cl.15 of IS 1475: 2024
381.	Drinking Water Coolers	Protection against electric Shock	Cl.8 of IS 302-1: 2024
382.	Drinking Water Coolers	High Voltage Test	Cl.13.3 of IS 302-1: 2024
383.	Drinking Water Coolers	Leakage Current Test	Cl.13.2 of IS 302-1: 2024
384.	Direct Evaporative Air Cooler	Provision for Earthing	Cl. 12.2.5 of IS 3315: 2024
385.	Direct Evaporative Air Cooler	Additional requirements for eco-mark	Cl. 13 of IS 3315: 2024
386.	Direct Evaporative Air Cooler	Calculation of Air flow	Annex B of IS 3315: 2024
387.	Household Refrigerating appliance	Testing of opening force of door(s) or Lid(s)	Cl. 10 & 20.1 of IS 17550 (Part 1) : 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
388.	Household Refrigerating appliance	Storage test	Cl. 4.2 , Cl. 6 of IS 17550 (Part 2) & Cl. 20.1 of IS 17550 (Part 1):2024
389.	Commercial refrigerator	Rating Test-Power measurement	Cl.7.1(f) & 7.5.6 of IS 1474 : 1959



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
1.	Protective helmet for two wheelers riders	Shell	Cl.4.1 of IS 4151: 2015
2.		Protective Padding	Cl.4.2 & 6.3 of IS 4151: 2015
3.		Comfort Padding	Cl.4.3 of IS 4151: 2015
4.		Metals Parts	Cl.4.5 of IS 4151: 2015
5.		Visor	Cl.4.6 & Cl.6.1.12 of IS 4151: 2015
6.		Sizes	Cl.5 of IS 4151: 2015
7.		General	Cl. 6.1of IS 4151: 2015
8.		Retention test of helmet	Cl. 6.4 of IS 4151: 2015
9.		Retention system	Cl.6.5 of IS 4151: 2015
10.		Peripheral Vision	Cl.6.7 of IS 4151: 2015
11.		Workmanship and finish	Cl.6.8 of IS 4151: 2015
12.		Mass	Cl.6.9 of IS 4151: 2015
13.		Impact Absorption Test	Cl.7.2 of IS 4151: 2015
14.		Rigidity test	Cl.7.3 of IS 4151: 2015
15.		Test for projection and surface friction	Cl.7.4 of IS 4151: 2015

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
16.	Protective helmet for two wheelers riders	Dynamic test of retention system	Cl.7.5 of IS 4151: 2015
17.		Audibility Test	Cl.7.6 of IS 4151: 2015
18.		Retention (Detaching) Test of Helmet	Cl.7.7 of IS 4151: 2015
19.		Micro slip test	Cl.7.8 of IS 4151: 2015
20.		Test for resistance to abrasion of the chin strap	Cl.7.9 of IS 4151: 2015
21.		Test for retention system relaying on quick release	Cl.7.10 of IS 4151: 2015
22.	Visor	Material	Cl. 3.1 of IS 9973: 1981
23.	Visor	Design	Cl.4.1 of IS 9973: 1981
24.	Visor	Impact Resistance	Cl.5.1 of IS 9973:1981
25.	Visor	Penetration Resistance	Cl. 5.2 of IS 9973: 1981
26.	Visor	Flammability	Cl.5.3 of IS 9973: 1981
27.	Visor	Distortion	Cl.5.4.1 of IS 9973: 1981
28.	Visor	Spherical And Cylindrical Error	Cl.5.4.2 of IS 9973: 1981
29.	Visor	Prismatic Error	Cl.5.4.3 of IS 9973: 1981
30.	Visor	Diffuse Transmittance	Cl.5.4.4 of IS 9973: 1981

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
31.	Visor	Light Transmittance	Cl.5.4.5 of IS 9973: 1981
32.	Visor	Field of vision	Cl.5.5.1 of IS 9973: 1981
33.	Visor	Mass	Cl.7.1 of IS 9973: 1981
34.	Industrial safety Helmet	Harness	Cl. 3.2 of IS 2925 :1984
35.	Industrial safety Helmet	Metal Parts	Cl.3.3 of IS 2925 :1984
36.	Industrial safety Helmet	Sizes	Cl.4 of IS 2925 :1984
37.	Industrial safety Helmet	Construction	Cl.5 of IS 2925 :1984
38.	Industrial safety Helmet	Harness	Cl.5.2 of IS 2925 :1984
39.	Industrial safety Helmet	Chin strap or Nape Strap	Cl.5.3 of IS 2925 :1984
40.	Industrial safety Helmet	Lamp Bracket	Cl.5.4 of IS 2925 :1984
41.	Industrial safety Helmet	Cable Clip	Cl.5.5 of IS 2925 :1984
42.	Industrial safety Helmet	Workmanship and Finish	Cl.6 of IS 2925 :1984
43.	Industrial safety Helmet	Mass	Cl.7 of IS 2925 :1984
44.	Industrial safety Helmet	Shock Absorption Resistance	Cl.8.1 of IS 2925 :1984
45.	Industrial safety Helmet	Penetration Resistance	Cl.8.2 of IS 2925 :1984
46.	Industrial safety Helmet	Flammability Resistance	Cl.8.3 of IS 2925 :1984

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
47.	Industrial safety Helmet	Electrical Resistance	Cl.8.4 of IS 2925 :1984
48.	Industrial safety Helmet	Water Absorption	Cl.8.5 of IS 2925 :1984
49.	Industrial safety Helmet	Heat Resistance	Cl.8.6 of IS 2925 :1984
50.	Non-Metal Helmet for Police Force	Material	Cl.3 of IS 9562: 1980
51.		Sizes	Cl.4 of IS 9562: 1980
52.		General	Cl.5.1 of IS 9562: 1980
53.		Shell	Cl.5.2 of IS 9562: 1980
54.		Retention System	Cl.5.3 of IS 9562: 1980
55.		Workmanship and Finish	Cl.6 of IS 9562: 1980
56.		Shock Absorption Test	Cl.9.1 of IS 9562: 1980
57.		Penetration Resistance	Cl.9.2 of IS 9562: 1980
58.		Strength of Retention System	Cl.9.3 of IS 9562: 1980
59.		Rigidity Test	Cl.9.4 of IS 9562: 1980
60.		Water Absorption Test	Cl.9.5 of IS 9562: 1980
61.		Flammability Resistance	Cl.9.6 of IS 9562: 1980
62.		Firing Test	Cl.9.7 of IS 9562: 1980
63.		Non- Metal Helmet	Material

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
64.	Non- Metal Helmet	Sizes	Cl.4 of IS 2745: 1983
65.	Non- Metal Helmet	General	Cl.5.1 of IS 2745: 1983
66.	Non- Metal Helmet	Shell	Cl.5.2 of IS 2745: 1983
67.	Non- Metal Helmet	Retention System	Cl.5.3 of IS 2745: 1983
68.	Non- Metal Helmet	Workmanship and Finish	Cl.6 of IS 2745: 1983
69.	Non- Metal Helmet	Shock Absorption Test	Cl.9.1 of IS 2745: 1983
70.	Non- Metal Helmet	Penetration Resistance	Cl.9.2 of IS 2745: 1983
71.	Non- Metal Helmet	Strength of Retention system	Cl.9.3 of IS 2745: 1983
72.	Non- Metal Helmet	Electrical Resistance	Cl.9.4 of IS 2745: 1983
73.	Non- Metal Helmet	Water absorption Test	Cl.9.5 of IS 2745: 1983
74.	Non- Metal Helmet	Flammability Resistance	Cl.9.6 of IS 2745: 1983
75.	Non- Metal Helmet	Visor Screen	Cl. 3.1 of IS 9995: 1981
76.	Non- Metal Helmet	Construction	Cl. 4 of IS 9995: 1981
77.	Non- Metal Helmet	Workmanship and Finish	Cl. 5 of IS 9995: 1981
78.	Non- Metal Helmet	Mass	Cl. 6 of IS 9995: 1981

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
79.	Protective helmet for two wheelers riders	Retention System	Cl.4.4 of IS 4151 : 2015
80.		Shell	Cl.6.2 & Annex A of IS 4151 : 2015
81.		Retention system	Cl.6.6 of IS 4151 : 2015
82.		Marking	Cl.9 of IS 4151 : 2015
83.	Visor	Workmanship and finish	Cl.6 of IS 9973 :1981
84.	Flat Transparent Sheet Glass	Classification	Cl. 3 of IS 2835 : 1987
85.	Flat Transparent Sheet Glass	Material	Cl. 4.1 of IS 2835 : 1987
86.	Flat Transparent Sheet Glass	Thickness	Cl. 4.2 & Table 1 of IS 2835 : 1987
87.	Flat Transparent Sheet Glass	Length	Cl. 4.2 & Table 1 of IS 2835: 1987
88.	Flat Transparent Sheet Glass	Width	Cl. 4.2 & Table 1 of IS 2835: 1987
89.	Flat Transparent Sheet Glass	Distribution of Allowable Defects	Cl. 4.3 & Table 2 of IS 2835: 1987
90.	Flat Transparent Sheet Glass	Gaseous Inclusion	Cl. 4.3 & Table 2 (i) of IS 2835: 1987
91.	Flat Transparent Sheet Glass	Opaque, gaseous inclusion	Cl. 4.3 & Table 2 (ii) of IS 2835: 1987
92.	Flat Transparent Sheet Glass	Knots, Dirts and stones	Cl. 4.3 & Table 2 (iii) of IS 2835: 1987
93.	Flat Transparent Sheet Glass	Scratch, rubs and crush	Cl. 4.3, Table 2 (iv), Cl.5.2 of IS 2835: 1987

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
94.	Flat Transparent Sheet Glass	Bow	Cl. 4.3, Table 2 (v) & 5.3 of IS 2835: 1987
95.	Flat Transparent Sheet Glass	Reams, Strings and lines	Cl.4.3 & Table 2 (vi) & 5.4 of IS 2835: 1987
96.	Flat Transparent Sheet Glass	Waviness	Cl. 4.3 & Table 2 (vii) & Appendix A of IS 2835: 1987
97.	Flat Transparent Sheet Glass	Sulphur Stains	Cl.4.3 & Table 2 (viii) IS 2835: 1987
98.	Flat Transparent Sheet Glass	Corner breakage and chip	Cl. 4.3 & Table 2 (ix) of IS 2835: 1987
99.	Flat Transparent Sheet Glass	Allowable Cluster of Defects	Cl. 4.3.1 & Table 2A of IS 2835: 1987
100.	Flat Transparent Sheet Glass	Thickness	Cl. 5.1 & Appendix B of IS 2835: 1987
101.	Flat Transparent Sheet Glass	Scratch, rubs and crush	Cl. 5.2 & Appendix B of IS 2835: 1987
102.	Flat Transparent Sheet Glass	Packing	Cl. 6.1 of IS 2835: 1987
103.	Flat Transparent Sheet Glass	Marking	Cl. 6.2 of IS 2835: 1987
104.	Glass in Building Basic soda lime silicate glass products	Thickness	Cl. 4.1 & Table 1 of BS EN 572-2 : 2012
105.		Length	Cl. 4.2 & Table 2 of BS EN 572-2: 2012
106.		Width	Cl. 4.2 & Table 2 of BS EN 572-2: 2012
107.		Squareness	Cl. 4.2 & Table 2 of BS EN 572-2: 2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
108.	Glass in Building Basic soda lime silicate glass products	General	Cl. 5.1 of BS EN 572- 2: 2012
109.		Optical faults	Cl. 5.2.1 & 5.3.1 of BS EN 572-2: 2012
110.		Visual Faults	Cl. 5.2.2 of BS EN 572-2: 2012
111.		Spot Faults	Cl. 5.2.2.1, 5.3.2, Annex A & Table 3 of BS EN 572-2: 2012
112.		Linear/extended faults	Cl. 5.2.2.2 & 5.3.3 of BS EN 572-2: 2012
113.		Designation	Cl. 6 of BS EN 572-2: 2012
114.		Fracture Characteristics	Cl. 5 of EN 1863-1 : 2011
115.		Thickness tolerances	Cl. 6.1 & Table 1 of EN 1863-1: 2011
116.		Nominal Thickness	Cl. 6.1 & Table 1 of EN 1863-1: 2011
117.		Width	Cl. 6.2, Table 2 & Table 3 of EN 1863-1: 2011
118.		Length	Cl. 6.2, Table 2 & Table 3 of EN 1863-1: 2011
119.		Flatness	Cl. 6.3 of EN 1863-1: 2011
120.		Overall bow	Cl. 6.3.2 of EN 1863-1: 2011
121.	Roller wave	Cl. 6.3.3 & Annex A of EN 1863-1: 2011	



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
122.	Glass in Building Basic soda lime silicate glass products	Edge lift	Cl. 6.3.4 & Table 5 of EN 1863-1: 2011
123.		local distortion	Cl. 6.3.5 of EN 1863-1: 2011
124.		Other distortions	Cl. 6.3.8 of EN 1863-1: 2011
125.		Edge	Cl. 7.2 of EN 1863-1: 2011
126.		Profiled edges	Cl. 7.3 & Table 5 of EN 1863-1: 2011
127.		Round Holes	Cl. 7.4 of EN 1863-1: 2011
128.		Holes/others	Cl. 7.5 of EN 1863-1: 2011
129.		Notches and cut outs	Cl. 7.6 of EN 1863-1: 2011
130.		Shaped panes	Cl. 7.7 of EN 1863-1: 2011
131.		Fragmentation Test	Cl. 8 of EN 1863-1: 2011
132.		Optical distortion	Cl. 9.1 of EN 1863-1: 2011
133.		Anisotropy (Iridescence)	Cl. 9.2 of EN 1863-1: 2011
134.		Thermal durability	Cl. 9.3 of EN 1863-1: 2011
135.		Mechanical strength	Cl. 9.4 of EN 1863-1: 2011
136.		Marking	Cl. 10 of EN 1863-1: 2011

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
137.	Glass in Building Laminated glass and laminated safety glass	Impact resistance	Cl. 4 of ISO 12543-3 : 2021
138.		High Temperature Test	Cl. 5.1 of ISO 12543-3: 2021
139.		Humidity test	Cl. 5.2 of ISO 12543-3: 2021
140.		Radiation test	Cl. 5.3 of ISO 12543-3: 2021
141.		General	Cl. 6.1 of ISO 12543-3: 2021
142.		Humidity test	Cl. 6.2 of ISO 12543-3: 2021
143.		Humidity Test	Cl. 6.3.1 of ISO 12543-3: 2021
144.		Radiation test	Cl. 6.3.2 of ISO 12543-3: 2021
145.		Width & Legth	CL.4.2 of ISO 12543-5: 2021
146.		Thickness	CL. 4.1 of ISO 12543-5: 2021
147.		Edge Finishes	CL. 5 of ISO 12543-5: 2021
148.		Acoustic properties test	Cl. 9 of ISO 12543-3: 2021
149.		Appearance	Cl. 10 of ISO 12543-3: 2021
150.		Designation	Cl. 11 of ISO 12543-3: 2021
151.		High-temperature test	Cl. 5 of ISO 12543-4: 2021
152.		Humidity Test	Cl. 6 of ISO 12543-4: 2021
153.	Radiation Test	Cl. 7 of ISO 12543-4: 2021	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
154.	Glass in Building Thermally toughened soda lime silicate safety glass	Fracture characteristics	Cl. 5 of BS EN 12150-1: 2015
155.		Thickness	Cl. 6.1 of BS EN 12150-1: 2015
156.		Width	Cl. 6.2 of BS EN 12150-1: 2015
157.		Length	Cl. 6.2 of BS EN 12150-1: 2015
158.		Flatness	Cl. 6.3 of BS EN 12150-1: 2015
159.		Edge	Cl. 7.2 of BS EN 12150- 1: 2015
160.		Profile Edges	Cl. 7.3 of BS EN 12150- 1: 2015
161.		Round Holes	Cl. 7.4 of BS EN 12150- 1: 2015
162.		Fragmentation Test	Cl. 8 & Table 10 of BS EN 12150- 1: 2015
163.		Optical distortion	Cl. 9.1 of BS EN 12150-1: 2015
164.		Anisotropy (Iridescence)	Cl. 9.2 of BS EN 12150-1: 2015
165.		Thermal durability	Cl. 9.3 of BS EN 12150-1: 2015
166.		Mechanical strength	Cl. 9.4 & Table 11 of BS EN 12150-1: 2015
167.		Classification	Cl. 9.5 of BS EN 12150-1: 2015
168.	Marking	Cl. 10 of BS EN 12150-1: 2015	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
169.	Safety Glass for Architectural, Building and General Uses	Types	Cl. 4 of IS 2553 Part 1 : 2018
170.		General	Cl. 5.1 of IS 2553 Part 1: 2018
171.		Distribution of Allowable Defects	Cl.5.1.2 of IS 2553 Part 1: 2018
172.		Thickness	Cl. 5.2.1 of IS 2553 Part 1: 2018
173.		Dimensions	Cl.5.2.2.1 of IS 2553 Part 1: 2018
174.		Squareness	Cl.5.2.2.2 of IS 2553 Part 1: 2018
175.		Dimensional tolerances	Cl.5.2.2.3 of IS 2553 Part 1: 2018
176.		Fragmentation Test	Cl. 5.2.3 of IS 2553 Part 1: 2018
177.		Flatness	Cl. 5.2.4 of IS 2553 Part 1: 2018
178.		Other Distortions	Cl. 5.2.4.1 of IS 2553 Part 1: 2018
179.		Resistance to shock	Cl. 5.2.5.1 of IS 2553 Part 1: 2018
180.		Resistance to human impact	Cl. 5.2.5.2 of IS 2553 Part 1: 2018
181.		Mechanical Strength - Four Point Bending Test	Cl. 5.2.7 of IS 2553 Part 1: 2018
182.		Fabrication in glass	Cl.5.2.8 of IS 2553 Part 1: 2018
183.		Diameters of holes	Cl.5.2.8.1 of IS 2553 Part 1: 2018
184.		Limitation on Position of holes	Cl. 5.2.8.2 of IS 2553 Part 1: 2018



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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
185.	Safety Glass for Architectural, Building and General Uses	Deviation on holes and position of holes	Cl.5.2.8.3 of IS 2553 Part 1: 2018
186.		Notches and cut-outs.	Cl. 5.2.8.4 of IS 2553 Part 1: 2018
187.		Edge working of glass for toughening	Cl.5.2.9 of IS 2553 Part 1: 2018
188.		Thickness	Cl. 5.3.1 of IS 2553 Part 1: 2018
189.		Dimensions and Squareness	Cl. 5.3.2.1 of IS 2553 Part 1: 2018
190.		Edge Displacement	Cl.5.3.2.2 & Table 9 of IS 2553 Part 1: 2018
191.		Light stability test	Cl. 5.3.3 of IS 2553 Part 1: 2018
192.		Fracture and adhesion test	Cl. 5.3.5 of IS 2553 Part 1: 2018
193.		Defects in the central area	Cl. 5.3.6 of IS 2553 Part 1: 2018
194.		Spot defects in the central area	Cl. 5.3.6.1 of IS 2553 Part 1: 2018
195.		Linear defects in central area	Cl. 5.3.6.2 of IS 2553 Part 1: 2018
196.		Defects in outer area for framed edges	Cl. 5.3.6.3 of IS 2553 Part 1: 2018
197.		Vents	Cl. 5.3.6.4 of IS 2553 Part 1: 2018
198.		Creases and streaks	Cl. 5.3.6.5 of IS 2553 Part 1: 2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
199.	Safety Glass for Architectural, Building and General Uses	Defects on edge which will not be framed	Cl. 5.3.6.6 of IS 2553 Part 1: 2018
200.		Humidity test	Cl. 5.3.7 of IS 2553 Part 1: 2018
201.		Resistance to human impact test	Cl. 5.3.8 of IS 2553 Part 1: 2018
202.		Working in glass after lamination	Cl. 5.3.9 of IS 2553 Part 1: 2018
203.		Cut Edge	Cl. 5.3.9.1 of IS 2553 Part 1: 2018
204.		Worked Edges	Cl. 5.3.9.2 of IS 2553 Part 1: 2018
205.		Sawn Edges	Cl. 5.3.9.3 of IS 2553 Part 1: 2018
206.		Water jet Edge	Cl. 5.3.9.4 of IS 2553 Part 1: 2018
207.		Packing	Cl. 6.1 of IS 2553 Part 1: 2018
208.		Marking	Cl. 6.2 of IS 2553 Part 1: 2018
209.	Safety Glass for Road Transport	Nominal Thickness	Cl. 3.7 of IS 2553 Part 2: 2019
210.		Marking	Cl. 4.1 of IS 2553 Part 2: 2019
211.		Light Transmittance Test	Cl. 5.1.1 of IS 2553 Part 2: 2019
212.		Resistance to abrasion	Cl. 5.1.2 of IS 2553 Part 2: 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
213.	Safety Glass for Road Transport	Resistance to temperature change	Cl. 5.2.1 of IS 2553 Part 2: 2019
214.		Resistance to fire	Cl. 5.2.2 of IS 2553 Part 2: 2019
215.		Resistance to chemicals	Cl. 5.2.3 of IS 2553 Part 2: 2019
216.		Resistance to radiation	Cl. 5.3.1 of IS 2553 Part 2: 2019
217.		Resistance to high temperature	Cl. 5.3.2 of IS 2553 Part 2: 2019
218.		Resistance to humidity	Cl. 5.3.3 of IS 2553 Part 2: 2019
219.		Optical Distortion Test	Cl. 5.4.1 of IS 2553 Part 2: 2019
220.		Secondary Image separation Test	Cl. 5.4.2 of IS 2553 Part 2: 2019
221.		Head-form test on windscreen	Cl. 5.4.3 of IS 2553 Part 2: 2019
222.		2260 g ball test	Cl. 5.4.4 of IS 2553 Part 2: 2019
223.		227 g ball test	Cl. 5.4.5 of IS 2553 Part 2: 2019
224.		Fragmentation Test	Cl. 5.5.1.1 of IS 2553 Part 2: 2019
225.		227 g ball test	Cl. 5.5.1.2 of IS 2553 Part 2: 2019
226.		227 g ball test	Cl. 5.5.2.1 of IS 2553 Part 2: 2019
227.		Head-form Test	Cl. 5.5.3.2 of IS 2553 Part 2: 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
228.	Safety Glass for Road Transport	Head-form Test	Cl. 5.6.1 of IS 2553 Part 2: 2019
229.		227g ball Test	Cl. 5.6.2 of IS 2553 Part 2: 2019
230.		227 g ball test at -18±2°C	Cl. 5.6.2.5 of IS 2553 Part 2: 2019
231.		Flexibility and fold test	Cl.5.6.3 IS 2553 Part 2: 2019
232.		Weathering	Cl.5.6.4 IS 2553 Part 2: 2019
233.		Cross-cut	Cl.5.6.5 IS 2553 Part 2: 2019
234.		227 g ball test at 20±5°C	Cl. 5.7.1 of IS 2553 Part 2: 2019
235.		227 g ball test at -18±2°C	Cl. 5.7.2 of IS 2553 Part 2: 2019
236.		Flexibility and fold test	Cl.5.7.3 IS 2553 Part 2: 2019
237.		Weathering	Cl. 5.7.4 IS 2553 Part 2: 2019
238.		Glazing test	Cl. 5.8.1 of IS 2553 Part 2: 2019
239.		Fragmentation Test	Cl. 5.8.2 of IS 2553 Part 2: 2019
240.		Head-form Test	Cl. 5.8.3 of IS 2553 Part 2: 2019
241.		Packing and marking	Cl. 9 of IS 2553 Part 2: 2019
242.		BIS certification marking	Cl. 13 of IS 2553 Part 2: 2019
243.		Width	Cl.4 & Table 1(i) of IS 2553-3: 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
244.	Safety Glass for Road Transport	Length	Cl.4 & Table 1(i) of IS 2553-3: 2019
245.		Tolerance	Cl.4 & Table 1(i) of IS 2553-3: 2019
246.		Limit Deviation	Cl.4 & Table 1(ii) of IS 2553-3: 2019
247.		Fragmentation Test	Cl.4 & Table 1(iii) of IS 2553-3: 2019
248.		Squareness	Cl.4.2 & 6 of IS 2553-3: 2019
249.		Flatness	Cl.4.2 & 6 of IS 2553-3 : 2019
250.		Overall bow	Cl.5.2 of IS 17004 : 2018
251.		local distortion	Cl.5.5 of IS 17004 : 2018
252.		Roller wave	Cl.5.3 of IS 17004 : 2018
253.		Fragmentation Test	Table 4 of IS 2553-3 : 2019
254.		Resistance to shock (Ball Drop) test	Cl. 4.2, 6 & Table 1-(vii) of IS 2553 Part 3 : 2019
255.		Mechanical strength	Cl. 4.2, 6 & Table 1-(viii) of IS 2553 Part 3 : 2019
256.		Hail test	Cl. 4.2, 6 & Table 1-(ix) of IS 2553 Part 3 : 2019
257.	Packing	Cl. 5.1 of IS 2553 Part 3: 2019	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
258.	Transparent Float Glass	Marking	Cl. 5.2 of IS 2553 Part 3: 2019
259.		Characteristic	Cl. 4.1 & Annex A of IS 14900: 2018
260.		Visual light transmission	Cl. 4.2, Table 1 & Annex B of IS 14900: 2018
261.		Thickness	Cl. 4.3.1 & Table 2 of IS 14900: 2018
262.		Length	Cl.4.3.2 of IS 14900: 2018
263.		Width	Cl.4.3.2 of IS 14900: 2018
264.		Squareness	Cl. 4.3.3 & Table 3 of IS 14900: 2018
265.		Optical Faults	Cl. 4.4, Table 8 & Annex C of IS 14900: 2018
266.		Visual faults	Cl. 4.5 of IS 14900: 2018
267.		Spot Faults	Cl. 4.5.1, Table 5, Table 6 & Annex D of IS 14900: 2018
268.		Reams, Strings and Lines	Cl. 4.5.2 & Annex E of IS 14900: 2018
269.		Linear/Extended faults	Cl.4.5.3 & Annex E of IS 14900: 2018
270.		Defects on Cut Side	Cl. 4.6 of IS 14900: 2018
271.		Packaging	Cl. 5.1 of IS 14900: 2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
272.	Processed Glass	Marking	Cl. 5.2 of IS 14900: 2018
273.		Thickness	Cl. 5.1 of IS 17004: 2018
274.		Overall Bow	Cl. 5.2 of IS 17004: 2018
275.		Wave and Roller Wave	Cl. 5.3 of IS 17004 : 2018
276.		Edge Lift	Cl. 5.4 of IS 17004 : 2018
277.		Local Distortion	Cl. 5.5 of IS 17004: 2018
278.		Fragmentation Test	Cl. 6.1 of IS 17004: 2018
279.		Ball Drop Test	Cl. 6.2 of IS 17004: 2018
280.		Four Point Bending Test	Cl. 6.3 of IS 17004: 2018
281.		Resistance to Human Impact	Cl. 6.4 of IS 17004: 2018
282.		Boil Test	Cl. 7.1.1 of IS 17004: 2018
283.		Bake Test	Cl. 7.1.2 of IS 17004: 2018
284.		Humidity Test	Cl. 7.2 of IS 17004: 2018
285.		Radiation Test	Cl. 7.3 of IS 17004: 2018
286.	Light Stability Test	Cl. 7.6 of IS 17004: 2018	

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Scope Extension 1:

Following scope of accreditation is extended w.e.f. **27 December 2025:**

Electrical Testing-

Domestic Electrical Appliances (S. No.- 150 to 540; Page no. 13-48)

Environmental Test Facility (S. No.- 1 to 24; Page no. 49-52)

Mechanical Testing-

Plastic and Plastic Products (S. No.- 54 to 172; Page no. 57-66)

Plastic and Resin (S. No.- 1 to 29; Page no. 67-69)

Heating, Ventilating, and Air Conditioning (HVAC) (S. No.- 35 to 389; Page no. 72-102)

Performance/Durability/ Safety Test (S. No.- 79 to 286; Page no. 108-121)

