

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Swastik Electronics Testing Centre (OPC) Pvt. Ltd.

Plot No. 16 Mainapur Industrial Area,
Ghaziabad 201003, Uttar Pradesh, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

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

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



QAI/CIA/TL/2024/0086

Valid from: 08 November 2024

Valid until: 07 November 2026

A handwritten signature in black ink, appearing to read 'B. Rana'.

Dr. Bhupendra Kumar Rana
Chief Executive Officer

A handwritten signature in black ink, appearing to read 'Vikram Kumar'.

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.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Abnormal operation (Excluding cl.19.11.4.1, 19.11.4.2, 19.11.4.3 & 19.11.4.4)	Cl. 19 OF IS-302-1: 2008+A1:2009 +A2:2013 +A3:2014+A4:2015/IEC 60335-1: 2020
2.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Clearances, creepage distance and solid insulation	Cl. 29 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
3.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Components (only visual inspection)	Cl. 24 of IS-302-1: 2008+A1:2009 +A2:2013 +A3:2014+A4:2015/IEC 60335-1: 2020
4.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Construction (excluding cl. 22.32, 22.47, 22.16, 22.46)	Cl. 22 of IS-302-1: 2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
5.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Heating	Cl. 11 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
6.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Internal wiring	Cl. 23 of IS-302-1: 2008+A1:2009 +A2:2013 +A3:2014+A4:2015/IEC 60335-1: 2020
7.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Leakage current and electric strength at operating Temperature	Cl. 13 of IS-302-1: 2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
8.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Leakage current and Electric strength	Cl.16 of IS-302-1: 2008+A1:2009 +A2:2013 +A3:2014+A4:2015/IEC 60335-1: 2020
9.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Marking & instruction	Cl. 7 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
10.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Mechanical strength	Cl. 21 of IS-302-1: 2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
11.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Moisture resistance	Cl. 15 of IS-302-1: 2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
12.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Overload protection of Transformers and associated circuits	Cl. 17 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
13.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Power input and current	Cl. 10 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
14.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Protection against access to live parts	Cl. 8 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
15.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Provision for earthing	Cl. 27 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/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		
16.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Resistance to heat and fire	Cl. 30 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
17.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Resistance to rusting	Cl. 31 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
18.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Screws and connections	Cl. 28 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
19.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Stability and mechanical hazards	Cl. 20 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
20.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Supply connections and external flexible cords	Cl. 25 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
21.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Terminals for external Conductors	Cl. 26 of IS-302-1: 2008+A1:2009 +A2:2013 +A3:2014+A4:2015/IEC 60335-1: 2020

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	Domestic Electrical Appliances		
22.	Frying pans, deep fat fryers, electric steam cookers, solar cooker, electrical shavers hair, clippers	Transient over voltages (up to 6kv)	Cl. 14 of IS-302-1:2008+A1:2009 +A2:2013+A3:2014+A4:2015/IEC 60335-1: 2020
23.	Induction stove (hob)	Abnormal operation	Cl. 19 of IS 302 (Part 2/Sec 6): 2009
24.	Induction stove (hob)	Classification	Cl. 6 of IS 302 (Part 2/Sec 6): 2009
25.	Induction stove (hob)	Clearances, creepage Distances and solid Insulation	Cl. 29 of IS 302 (Part 2/Sec 6): 2009
26.	Induction stove (hob)	Construction (excluding cl. 22.32,22.47, 22.16, 22.46)	Cl. 22 of IS 302 (Part 2/Sec 6): 2009
27.	Induction stove (hob)	Heating	Cl. 11 of IS 302 (Part 2/Sec 6): 2009
28.	Induction stove (hob)	Internal wiring	Cl. 23 of IS 302 (Part 2/Sec 6): 2009
29.	Induction stove (hob)	Leakage current and electric strength	Cl. 16 of IS 302 (Part 2/Sec 6): 2009
30.	Induction stove (hob)	Leakage current and electric strength at operating temperature	Cl. 13 of IS 302 (Part 2/Sec 6): 2009
31.	Induction stove (hob)	Marking and Instructions	Cl. 07 of IS 302 (Part 2/Sec 6): 2009
32.	Induction stove (hob)	Mechanical strength	Cl. 21 of IS 302 (Part 2/Sec 6): 2009
33.	Induction stove (hob)	Moisture resistance	Cl. 15 of IS 302 (Part 2/Sec 6): 2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
34.	Induction stove (hob)	Overload protection of transformers and associated circuits	Cl. 17 of IS 302 (Part 2/Sec 6): 2009
35.	Induction stove (hob)	Power input and current	Clause. 10 of IS 302 Part 2 Sec 6:2009 RA: 2014
36.	Induction stove (hob)	Protection against access to live parts	Cl. 8 of IS 302 (Part 2/Sec 6): 2009
37.	Induction stove (hob)	Provision for earthing	Cl. 27 of IS 302 (Part 2/Sec 6): 2009
38.	Induction stove (hob)	Resistance to heat and fire	Cl. 30 of IS 302 (Part 2/Sec 6): 2009
39.	Induction stove (hob)	Resistance to heat and fire	Cl. 30 of IS 302 (Part 2/Sec 6): 2009
40.	Induction stove (hob)	Resistance to rusting	Cl. 31 of IS 302 (Part 2/Sec 6): 2009
41.	Induction stove (hob)	Screws and connections	Cl. 28 of IS 302 (Part2/Sec 6): 2009
42.	Induction stove (hob)	Stability and mechanical hazards	Cl. 20 of IS 302 (Part 2/Sec 6): 2009
43.	Induction stove (hob)	Supply connections and external flexible cord	Cl. 25 of IS 302 (Part 2/Sec 6): 2009
44.	Induction stove (hob)	Terminals for external Conductors	Cl. 26 of IS 302 (Part 2/Sec 6): 2009
45.	Induction stove (hob)	Transient over voltages (up to 6kv)	Cl. 14 of IS 302 (Part 2/Sec 6): 2009
46.	Power adapter/power Supply for household	Abnormal operation	Cl. 19 of IS 302 (Part 1): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
	Appliance and similar Electrical appliance	(Excluding Cl.19.11.4.1, 19.11.4.2, 19.11.4.3 & 19.11.4.4)	
47.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Clearances, creepage Distance and solid Insulation	Cl. 29 of IS 302 (Part 1): 2008
48.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Components (only visual inspection)	Cl. 24 of IS 302 (Part 1): 2008
49.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Construction (excluding cl. 22.32, 22.47, 22.16, 22.46)	Cl. 22 of IS 302 (Part 1): 2008
50.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Heating	Cl. 11 of IS 302 (Part 1): 2008
51.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Internal wiring	Cl. 23 of IS 302 (Part 1): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
52.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Leakage current and electric strength	Cl.16 of IS 302 (Part 1): 2008
53.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Leakage current and Electric strength at Operating temperature	Cl. 13 of IS 302 (Part 1): 2008
54.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Marking & instruction	Cl. 07 of IS 302 (Part 1): 2008
55.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Mechanical strength	Cl. 21 of IS 302 (Part 1): 2008
56.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Moisture resistance	Cl. 15 of IS 302 (Part 1): 2008
57.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Overload protection of Transformers and associated circuits	Cl. 17 of IS 302 (Part 1): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
58.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Power input and current	Cl. 10 of IS 302 (Part 1): 2008
59.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Protection against access to live parts	Cl. 8 of IS 302 (Part 1): 2008
60.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Provision for earthing	Cl. 27 of IS 302 (Part 1): 2008
61.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Resistance to heat and fire	Cl. 30 of IS 302 (Part 1): 2008
62.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Resistance to rusting	Cl. 31 of IS 302 (Part 1): 2008
63.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Screws and connections	Cl. 28 of IS 302 (Part 1): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
64.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Stability and mechanical hazards	Cl. 20 of IS 302 (Part 1): 2016
65.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Supply connections And external flexible cords	Cl. 25 of IS 302 (Part 1): 2008
66.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Terminals for external Conductors	Cl. 26 of IS 302 (Part 1): 2008 + A4:2015: 2016
67.	Power adapter/power Supply for household Appliance and similar Electrical appliance	Transient over voltages (up to 6kv)	Cl. 14 of IS 302 (Part 1): 2008 + A4:2015: 2016
68.	Rice cooker	Supply connection & external flexible cords	Cl. 25 of IS 302 (Part 2/Sec 15): 2009
69.	Rice cooker	Abnormal operation	Cl. 19 of IS 302 (Part 2/Sec 15): 2009
70.	Rice cooker	Classification	Clause 6 of IS 302-2- 15: 2009
71.	Rice cooker	Clearances, creepage Distances and solid Insulations	Cl. 29 of IS 302 (Part 2/Sec 15): 2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
72.	Rice cooker	Components (only visual inspection)	Cl. 24 of IS 302 (Part 2/Sec 15): 2009
73.	Rice cooker	Construction (excluding cl. 22.32, 22.47, 22.16, 22.46)	Cl. 22 of IS 302 (Part 2/Sec 15): 2009
74.	Rice cooker	Electrical insulation And leakage current at Operating temperature	Cl. 13 of IS 302 (Part 2/Sec 15): 2009
75.	Rice cooker	Internal wiring	Cl. 23 of IS 302 (Part 2/Sec 15): 2009
76.	Rice cooker	Leakage current and Electric strength (after Humidity treatment)	Cl. 16 of IS 302 (Part 2/Sec 15): 2009
77.	Rice cooker	Marking and instructions	Cl. 7 of IS 302 (Part 2/Sec 15): 2009
78.	Rice cooker	Mechanical strength	Cl. 21 of IS 302 (Part 2/Sec 15): 2009
79.	Rice cooker	Moisture resistance	Cl. 15 of IS 302 (Part 2/Sec 15): 2009
80.	Rice cooker	Overload protection	Cl. 17 of IS 302 (Part 2/Sec 15): 2009
81.	Rice cooker	Power input and Current	Cl. 10 of IS 302 (Part 2/Sec 15): 2009
82.	Rice cooker	Protection against Access to live parts	Cl. 8 of IS 302 (Part 2/Sec 15): 2009
83.	Rice cooker	Provision for earthing	Cl. 27 of IS 302 (Part 2/Sec 15): 2009
84.	Rice cooker	Radiation, toxicity and Similar hazards	Cl. 32 of IS 302 (Part 2/Sec 15): 2009

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	Domestic Electrical Appliances		
85.	Rice cooker	Resistance to heat fire And tracking	Cl. 30 of IS 302 (Part 2/Sec 15): 2009
86.	Rice cooker	Resistance to rusting	Cl. 31 of IS 302 (Part 2/Sec 15): 2009
87.	Rice cooker	Screws and connections	Cl. 28 of IS 302 (Part 2/Sec 15): 2009
88.	Rice cooker	Stability and mechanical hazards	Cl. 20 of IS 302 (Part 2/Sec 15): 2009
89.	Rice cooker	Temperature rise	Cl. 11 of IS 302 (Part 2/Sec 15): 2009
90.	Rice cooker	Terminals for external Conductors	Cl. 26 of IS 302 (Part 2/Sec 15): 2009
91.	Rice cooker	Transient overvoltage Test (up to 6kv)	Cl. 14 of IS 302 (Part 2/Sec 15): 2009
92.	Household and similar electrical appliances (Fans)	Abnormal operation	Cl.19 (SubCl.19.1, 19.6,19.101) IS 302-2-80:2017
93.		Abnormal operation	Cl.19 (SubCl.19.1, 19.6,19.101), IS 302- 2-80:2017
94.		Endurance	Cl.18, IS 302-2-80: 2017
95.		Input and current	Cl.10 (SubCl.10.1), IS 302-2-80:2017
96.		Internal wiring	Cl.23 (SubCl.23.4) IS 302-2-80:2017
97.		Mechanical strength	Cl.21, (Sub Cl. 21.101), IS 302-2-80 :2017
98.		Overload protection	Cl.17, IS 302-2-80: 2017

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
99.		Protection against electric shock	Cl.8, IS 302-2-80: 2017
100.		Provision for earthing	Cl.27, IS 302-2-80: 2017
101.		Radiation hazards	Cl.32, IS 302-2-80: 2017
102.		Radio and television interference suppression	Cl.14, IS 302-2-80:2017
103.		Rating	Cl.5, IS 302-2-80: 2017
104.		Resistance to heat fire and tracking	Cl.30, (Sub Cl. 30.101), IS 302-2-80 :2017
105.		Resistance to rusting	Cl.31, IS 302-2-80: 2017
106.		Screw and connection	Cl.28, IS 302-2-80: 2017
107.		Stability and mechanical hazard	Cl.20, (SubCl.20.1, 10.101,20.102, 20.103,20.103.1, 20.103.2,20.104, 20.104.1,20.104.2,20.104.2.1), IS 302- 2-80:2017
108.		Starting of motor operated appliances	Cl.9, IS 302-2-80: 2017
109.		Supply connections and external flexible cords	Cl.25, (SubCl.25.4) IS 302-2-80:2017
110.		Temperature rise	Cl.11 (SubCl.11.1) IS 302-2-80:2017
111.		Terminal for external conductor	Cl.26, IS302-2-80: 2017

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
112.		Leakage current and electric streng that operating temperature	IEC 60335-2-25: 2020
113.	Clothes washing machines for household use	Washing performance	Cl. 4.2.1 & Cl.4.1 (Methods of Tests) as per IEC 60456 BEE Schedule12
114.	Clothes washing machines for household use	Determination of rinsing performance	Cl. 4.2.2 as per IEC 60456 & BEE Schedule12-WM
115.	Clothes washing machines for household use	Determination of water and energy consumption (water consumption)	BEE Schedule 12, Cl. 4.2.3 as per IEC 60456
116.	Clothes washing machines for household use	Water extraction performance	Cl, 4.2.4 & Cl.4.1 (Methods of Tests) as per IEC 60456 BEE Schedule12
117.	Clothes washing machines for household use	Testing conditions	Cl, 4.2.5 & Cl.4.1 (Methods of Tests) as per IEC 60456 BEE Schedule12
118.	Clothes washing machines for household use	Determination of mechanical detergent loss in the sum of washing machine	IS 14155(CI-16), IEC60456:2010
119.	Clothes washing machines for household use	Determination of rinsing efficiency	BEE Schedule 12 & Cl.13 of IS 14155, Cl.8.5 Of IEC 60456:2010
120.	Clothes washing machines for household use	Determination of washing performance	BEE Schedule 12 & Cl.11 of IS 14155, Cl.8.3 of IEC 60456:2010

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	Domestic Electrical Appliances		
121.	Clothes washing machines for household use	Determination of water and energy consumption	BEE Schedule 12 & Cl.15 of IS 14155, Cl.8.6 of IEC 60456:2010
122.	Clothes washing machines for household use	Determination of water extracting efficiency	BEE Schedule 12 & Cl.14 of IS 14155, Cl.8.4 of IEC60456:2010
123.	Clothes washing machines for household use	Determination of wear suffered by textile	IS 14155 (Cl-12), IEC 60456:2010
124.	Clothes washing machines for household use	Endurance	IS 14155 (Cl-17), IEC 60456:2010
125.	Clothes washing machines for household use	Abnormal operation	Cl.19, IS302-2-7:2019
126.	Clothes washing machines for household use	Ageing test for elastomeric parts	Annex BB, IEC 60335-2-7; IS3400-6:2019
127.	Clothes washing machines for household use	Ageing test for elastomeric parts	Annex BB, IS 302-2- 7; IS 3400-6:2019
128.	Clothes washing machines for household use	Components (visual inspection only)	Cl.24 of IS302-2-7:2019
129.	Clothes washing machines for household use	Components (visual inspection only)	Cl.22,IEC 60335-2-7:2019
130.	Clothes washing machines for household use	Creepage distances, clearances and solid insulation	Cl.29,IS 302-2-7: 2019
131.	Clothes washing machines for household use	Creepage distances, clearances and solid insulation	Cl.29,IEC 60335-2-7:2019
132.	Clothes washing machines for household use	Endurance	Cl.18,of IS 302-2-7: 2019

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
133.	Clothes washing machines for household use	Endurance	Cl.18, of IEC 60335-2- 7:2019
134.	Clothes washing machines for household use	Heating	Cl.11, IEC60335-2-7:2019
135.	Clothes washing machines for household use	Heating	Cl.11, IS302-2-7:2019
136.	Clothes washing machines for household use	Input and current (current)	Cl.10, IEC60335-2-7:2019
137.	Clothes washing machines for household use	Input and current (current)	Cl.10, IS302-2-7:2019
138.	Clothes washing machines for household use	Internal wiring	Cl.23, IEC60335-2-7:2019
139.	Clothes washing machines for household use	Internal wiring	Cl.23, IS302-2-7:2019
140.	Clothes washing machines for household use	Leakage current and electric strength after humidity	Cl.16, IEC60335-2-7:2019
141.	Clothes washing machines for household use	Leakage current and electric strength after humidity	Cl.16, IS 302-2-7:2019
142.	Clothes washing machines for household use	Leakage current and electric strength at operating temperature	Cl.13, IEC 60335-2-7:2019
143.	Clothes washing machines for household use	Leakage current and electric strength at operating temperature	Cl.13, IS 302-2-7:2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
144.	Clothes washing machines for household use	Marking/markings and instructions	Cl.7 of IS 302-2-7: 2019
145.	Clothes washing machines for household use	Marking/markings and instructions	Cl.7, IEC 60335-2-7: 2019
146.	Clothes washing machines for household use	Mechanical strength	Cl.21, IEC 60335-2-7:2019
147.	Clothes washing machines for household use	Mechanical strength	Cl.21, IS 302-2-7:2019
148.	Clothes washing machines for household use	Moisture resistance	Cl.15, IEC 60335-2-7:2019
149.	Clothes washing machines for household use	Moisture resistance	Cl.15, IS 302-2-7:2019
150.	Clothes washing machines for household use	Overload protection of transformer and associated circuits	Cl.17 of IS 302-2-7:2019
151.	Clothes washing machines for household use	Overload protection of transformer and associated circuits	Cl.17, IEC60335-2-7:2019
152.	Clothes washing machines for household use	Protection against access to live parts	Cl.8, IS 302-2-7:2019
153.	Clothes washing machines for household use	Protection against access to live parts	Cl.8, IS 60335-2-7:2019
154.	Clothes washing machines for household use	Protection against access to live parts	Cl.8, IEC 60335-2-7:2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
155.	Clothes washing machines for household use	Provision for earthing	Cl.27, IEC 60335-2-7:2019
156.	Clothes washing machines for household use	Provision for earthing	Cl.27, IS 302-2-7:2019
157.	Clothes washing machines for household use	Radiation, toxicity and similar Hazards	Cl.32, IEC 60335-2-7:2019
158.	Clothes washing machines for household use	Radiation, toxicity and similar Hazards	Cl.32, IS302-2-7:2019
159.	Clothes washing machines for household use	Resistance to heat and fire	Cl.30, IEC 60335-2-7:2019
160.	Clothes washing machines for household use	Resistance to heat and fire	Cl.30, IS 302-2-7:2019
161.	Clothes washing machines for household use	Resistance to rusting	Cl.31, IEC 60335-2-7:2019
162.	Clothes washing machines for household use	Resistance to rusting	Cl.31, IS302-2-7:2019
163.	Clothes washing machines for household use	Screws and connections	Cl.28, IEC 60335-2-7:2019
164.	Clothes washing machines for household use	Screws and connections	Cl.28, IS 302-2-7:2019
165.	Clothes washing machines for household use	Stability and mechanical hazards	Cl.20 of IS302-2-7:2019
166.	Clothes washing machines for household use	Stability and mechanical hazards	Cl.20, IEC 60335-2-7:2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
167.	Clothes washing machines for household use	Supply connection and external flexible cords	Cl.25, IEC 60335-2-7:2019
168.	Clothes washing machines for household use	Supply connection and external flexible cords	Cl.25, IS302-2-7: 2019
169.	Clothes washing machines for household use	Terminals for external conductors	Cl.26, IEC60335-2-7:2019
170.	Clothes washing machines for household use	Terminals for external conductors	Cl.26, IS302-2-7:2019
171.	Clothes washing machines for household use	Transient overvoltage (up to 6kv)	Cl.14, IEC60335-2-7:2019
172.	Clothes washing machines for household use	Transient overvoltage (up to 6kv)	Cl.14, IS302-2-7:2019
173.	Household and similar electrical appliances (microwave oven)	Endurance	Cl.18, IS 302-2-25:2014
174.	Household and similar electrical appliances (microwave oven)	Abnormal operation	Cl.19, IEC60335-2-25:2020
175.	Household and similar electrical appliances (microwave oven)	Clearances, creepage distances and solid insulation	Cl.29, IEC60335-2-25:2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
176.	Household and similar electrical appliances (microwave oven)	Leakage current and electric strength	Cl.16, IEC60335-2- 25:2020
177.	Household and similar electrical appliances (microwave oven)	Power input and current (current)	Cl.10, IS 302-2-25: 2014
178.	Household and similar electrical appliances (microwave oven)	Protection against access to live parts	Cl.8, IS 302-2-25: 2014
179.	Household and similar electrical appliances (microwave oven)	Provision for earthing	Cl.27, IEC 60335-2-25:2020
180.	Household and similar electrical appliances (microwave oven)	Radiation, toxicity and similar Hazards	Cl.32, IEC 60335-2-25:2020
181.	Household and similar electrical appliances (microwave oven)	Resistance to heat and fire	Cl.30, IEC 60335-2-25:2020
182.	Household and similar electrical appliances (microwave oven)	Resistance to rusting	Cl.31, IEC 60335-2-25:2020
183.	Household and similar electrical appliances (microwave oven)	Screws and connections	Cl.28, IEC 60335-2-25:2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
184.	Household and similar electrical appliances (microwave oven)	Stability and mechanical hazards	Cl.20, IEC 60335-2-25:2020
185.	Household and similar electrical appliances (microwave oven)	Supply connection and external flexible cords	Cl.25, IEC 60335-2-25:2020
186.	Household and similar electrical appliances (microwave oven)	Terminals for external conductors	Cl.26, IEC 60335-2-25:2020
187.	Household and similar electrical appliances (microwave oven)	Provision for earthing	Cl.27, IS 302-2-25:2014
188.	Household and similar electrical appliances (microwave oven)	Abnormal operation	Cl.19, IS 302-2-25:2014
189.	Household and similar electrical appliances (microwave oven)	Clearances, creepage distances and solid insulation	Cl.29, IS 302-2-25:2014
190.	Household and similar electrical appliances (microwave oven)	Components (visual inspection only)	Cl.24, IS 302-2-25: 2014
191.	Household and similar electrical appliances (microwave oven)	Construction (excluding cl. 22.32, 22.47, 22.16, 22.46)	Cl.22, IS 302-2-25:2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
192.	Household and similar electrical appliances (microwave oven)	Internal wiring	Cl.23, IS 302-2-25:2014
193.	Household and similar electrical appliances (microwave oven)	Mechanical strength	Cl.21, IS 302-2-25:2014
194.	Household and similar electrical appliances (microwave oven)	Provision for earthing	Cl.27, IS 302-2-25:2014
195.	Household and similar electrical appliances (microwave oven)	Radiation, toxicity and similar hazards	Cl.32, IS 302-2-25:2014
196.	Household and similar electrical appliances (microwave oven)	Resistance to heat and fire	Cl.30, IS 302-2-25:2014
197.	Household and similar electrical appliances (microwave oven)	Resistance to heat and fire	Cl.30, IS 302-2-25:2014
198.	Household and similar electrical appliances (microwave oven)	Resistance to rusting	Cl.31, IS 302-2-25:2014
199.	Household and similar electrical appliances (microwave oven)	Screws and connections	Cl.28, IS 302-2-25:2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
200.	Household and similar electrical appliances (microwave oven)	Stability and mechanical hazards	Cl.20, IS 302-2-25:2014
201.	Household and similar electrical appliances (microwave oven)	Terminals for external conductors	Cl.26, IS 302-2-25: 2014
202.	Household and similar electrical appliances (microwave oven)	Heating	Cl.11, IEC 60335-2- 25:2020
203.	Household and similar electrical appliances (microwave oven)	Classification	Cl.6, IEC 60335-2-25:2020
204.	Household and similar electrical appliances (microwave oven)	General condition for the tests	Cl.5, IEC 60335-2-25:2020
205.	Household and similar electrical appliances (microwave oven)	Marking & instructions	Cl.7, IEC 60335-2-25:2020
206.	Household and similar electrical appliances (microwave oven)	Overload protection of transformer and associated circuits	Cl.17, IS 302-2-25:2014
207.	Household and similar electrical appliances (microwave oven)	Power input and current	Cl.10, IEC 60335-2-25:2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
208.	Household and similar electrical appliances (microwave oven)	Power input and current	Cl.10, IEC 60335-2-25:2020
209.	Household and similar electrical appliances (microwave oven)	Protection against access to live parts	Cl.8, IEC 60335-2-25:2020
210.	Household and similar electrical appliances (microwave oven)	Classification	Cl.6, IS 302-2-25:2014
211.	Household and similar electrical appliances (microwave oven)	Components (visual inspection only)	Cl.24, IEC 60335-2-25:2020
212.	Household and similar electrical appliances (microwave oven)	Construction	Cl.22, IEC 60335-2-25:2020
213.	Household and similar electrical appliances (microwave oven)	Endurance	Cl.18, IEC 60335-2-25:2020
214.	Household and similar electrical appliances (microwave oven)	General condition for the tests	Cl.5, IS 302-2-25:2014
215.	Household and similar electrical appliances (microwave oven)	Heating	Cl.11, IS 302-2-25: 2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
216.	Household and similar electrical appliances (microwave oven)	Internal wiring	Cl.23, IEC 60335-2-25:2020
217.	Household and similar electrical appliances (microwave oven)	Leakage current and electric strength	Cl.16, IEC 60335-2-25:2020
218.	Household and similar electrical appliances (microwave oven)	Leakage current and electric strength	Cl.16, IS 302-2-25:2014
219.	Household and similar electrical appliances (microwave oven)	Leakage current and electric strength at operating temperature	Cl.16, IS 302-2-25:2014
220.	Household and similar electrical appliances (microwave oven)	Leakage current and electric strength at operating temperature	Cl.13, IEC 60335-2-25:2020
221.	Household and similar electrical appliances (microwave oven)	Leakage current and electric strength at operating temperature	Cl.13, IS 302-2-25:2014
222.	Household and similar electrical appliances (microwave oven)	Leakage current and electric strength at operating temperature	Cl.13, IS 302-2-25:2014
223.	Household and similar electrical appliances (microwave oven)	Marking and instructions	Cl.7, IS 302-2-25:2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
224.	Household and similar electrical appliances (microwave oven)	Mechanical strength	Cl.21, IEC60335-2-25:2020
225.	Household and similar electrical appliances (microwave oven)	Moisture resistance	Cl.15, IEC60335-2-25:2020
226.	Household and similar electrical appliances (microwave oven)	Moisture resistance	Cl.15, IS 302-2-25:2014
227.	Household and similar electrical appliances (microwave oven)	Overload protection of transformers and associated circuits	Cl.17, IEC 60335-2-25:2020
228.	Household and similar electrical appliances (microwave oven)	Provision for earthing	Cl.27, IEC 60335-2-25:2020
229.	Household and similar electrical appliances (microwave oven)	Transient over voltages (up to 6kv)	Cl.14, IS 302-2-25:2014
230.	Household and similar electrical appliances (microwave oven)	Supply connections and external flexible cord	Cl.25, IS 302-2-25:2014
231.	Household and similar electrical appliances (microwave oven)	Transient over voltages (up to 6kv)	Cl.14IEC60335-2-25:2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
232.	Kitchen machines	Terminal for external conductors	(Cl.26) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
233.	Kitchen machines	Classification	(Cl.6) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
234.	Kitchen machines	Construction (excluding cl. 22.32, 22.47, 22.16, 22.46)	(Cl.22) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
235.	Kitchen machines	Heating	(Cl.11) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
236.	Kitchen machines	Leakage current and electric strength	(Cl.16) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
237.	Kitchen machines	Leakage current and electric strength at operating temperature	(Cl.13) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
238.	Kitchen machines	Marking and instructions	(Cl.7) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
239.	Kitchen machines	Moisture resistance	(Cl.15) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
240.	Kitchen machines	Overload protection of transformers and associated circuits	(Cl.17) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
241.	Kitchen machines	Protection against access to live parts	(Cl.8) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
242.	Kitchen machines	Provision for earthing	(Cl.27) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
243.	Kitchen machines	Radiation hazards	(Cl.32) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
244.	Kitchen machines	Resistance to rusting	(Cl.31) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
245.	Kitchen machines	Stability and mechanical hazards	(Cl.20) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
246.	Kitchen machines	Supply connection and external flexible cables and cords	(Cl.25) IS 302 : Part 2 : Sec 14 : 2009 (Reaffirmed Year : 2014) IEC 60335-2-14:2016/AMD1:2019
247.	Room heaters	Clearances and creepage distances and solid insulation	(Cl.29) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
248.	Room heaters	Components (visual inspection only)	(Cl.24) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
249.	Room heaters	Construction (excluding cl. 22.32, 22.47, 22.16, 22.46)	(Cl.22) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
250.	Room heaters	Heating	(Cl.11) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
251.	Room heaters	Leakage current and electric strength at operating temperature	(Cl.13) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
252.	Room heaters	Marking and instructions	(Cl.7) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
253.	Room heaters	Moisture resistance	IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021 (Cl.15)
254.	Room heaters	Overload protection of transformers and associated circuits	(Cl.17) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
255.	Room heaters	Power input & current	(Cl.10) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013)

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	Domestic Electrical Appliances		
			IEC 60335-2-30:2009/AMD2:2021
256.	Room heaters	Clearances and creepage distances and solid insulation	(Cl.29) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
257.	Room heaters	Components	(Cl.24) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
258.	Room heaters	Construction	(Cl.22) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
259.	Room heaters	Heating	(Cl.11) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
260.	Room heaters	Leakage current and electric strength at operating temperature	(Cl.13) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013) IEC 60335-2-30:2009/AMD2:2021
261.	Room heaters	Abnormal operation	(Cl.19) IS 302 : Part 2 : Sec 30 : 2007 (Reaffirmed Year : 2013)
262.	Appliances for skin or hair care	Classification	IS 302-2-23 : 2009 (Cl.6) RA
263.	Appliances for skin or hair care	Components (visual inspection only)	IS302-2-23:2009(Cl.24) RA
264.	Appliances for skin or hair care	Construction (excluding cl. 22.32, 22.47, 22.16, 22.46)	IS302-2-23:2009(Cl.22) RA

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
265.	Appliances for skin or hair care	Creepage distances and clearances	IS302-2-23:2009(CI.29) RA
266.	Appliances for skin or hair care	Electrical insulation and leakage current at operating temperature	IS302-2-23:2009(CI.13) RA
267.	Appliances for skin or hair care	Input and current	IS302-2-23:2009(CI.10) RA
268.	Appliances for skin or hair care	Insulation resistance and electric strength (after humidity treatment)	IS302-2-23:2009(CI.16) RA
269.	Appliances for skin or hair care	Internal wiring	IS302-2-23:2009(CI.23) RA
270.	Appliances for skin or hair care	Marking	IS 302-2-23 : 2009 (CI.7) RA
271.	Appliances for skin or hair care	Mechanical strength	IS302-2-23:2009(CI.21) RA
272.	Appliances for skin or hair care	Moisture resistance	IS302-2-23:2009(CI.15) RA
273.	Appliances for skin or hair care	Overload protection of transformers and associated circuits	IS302-2-23:2009(CI.17) RA
274.	Appliances for skin or hair care	Protection against electric shock	IS 302-2-23 : 2009 (CI.8) RA

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
275.	Appliances for skin or hair care	Provision for earthing	IS302-2-23:2009(CI.27) RA
276.	Appliances for skin or hair care	Resistance to heat and fire and tracking	IS302-2-23:2009(CI.30) RA
277.	Appliances for skin or hair care	Resistance to rusting	IS302-2-23:2009(CI.31) RA
278.	Appliances for skin or hair care	Screws and connections	IS302-2-23:2009(CI.28) RA
279.	Appliances for skin or hair care	Stability and mechanical hazards	IS302-2-23:2009(CI.20) RA
280.	Appliances for skin or hair care	Supply connection and external flexible cords	IS302-2-23:2009(CI.25) RA
281.	Appliances for skin or hair care	Temperature rise	IS302-2-23:2009(CI.11) RA
282.	Appliances for skin or hair care	Terminal for external conductors	IS302-2-23:2009(CI.26) RA
283.	Domestic electric food-mixers (liquidizers and grinders)	Abnormal operation (Excluding cl.19.11.4.1,19.11.4.2, 19.11.4.3 & 19.11.4.4)	IS4250:1980 +A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (CI.19) RA
284.	Domestic electric food-mixers (liquidizers and grinders)	Classification	IS4250:1980 +A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (CI.6.0) RA

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
285.	Domestic electric food-mixers (liquidizes and grinders)	Components (visual inspection only)	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.24) RA
286.	Domestic electric food-mixers (liquidizes and grinders)	Construction (Excluding cl. 22.32, 22.47, 22.16, 22.46)	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+ A6:1993+A7:1994 +A8:1999+A9:2006+A10:2019 (Cl.22) RA
287.	Domestic electric food-mixers (liquidizes and grinders)	Creepage distances and clearances	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.29) RA
288.	Domestic electric food-mixers (liquidizes and grinders)	Electrical insulation and leakage current at operating temperature	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.13) RA
289.	Domestic electric food-mixers (liquidizes and grinders)	Endurance	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.18) RA
290.	Domestic electric food-mixers (liquidizes and grinders)	Input and current	IS4250:1980+A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.10) RA

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
291.	Domestic electric food-mixers (liquidizes and grinders)	Insulation resistance and electric strength (after humidity treatment)	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.16) RA
292.	Domestic electric food-mixers (liquidizes and grinders)	Internal wiring	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.23) RA
293.	Domestic electric food-mixers (liquidizes and grinders)	Marking	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.7) RA
294.	Domestic electric food-mixers (liquidizes and grinders)	Mechanical strength	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.21) RA
295.	Domestic electric food-mixers (liquidizes and grinders)	Moisture resistance	IS4250:1980+A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.15) RA
296.	Domestic electric food-mixers (liquidizes and grinders)	Overload protection of transformers and associated circuits	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.17) RA

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
297.	Domestic electric food-mixers (liquidizes and grinders)	Protection against electric shock	IS4250:1980+A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.8) RA
298.	Domestic electric food-mixers (liquidizes and grinders)	Provision for earthing	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.27) RA
299.	Domestic electric food-mixers (liquidizes and grinders)	Radio and television interference suppression	IS4250:1980+A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.14) RA
300.	Domestic electric food-mixers (liquidizes and grinders)	Resistance to heat and fire and tracking	IS4250:1980+A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.30) RA
301.	Domestic electric food-mixers (liquidizes and grinders)	Resistance to rusting	IS4250:1980 +A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+A6:1993+A7:1994+A8:1999+A9:2006+A10:2019 (Cl.31) RA
302.	Domestic electric food-mixers (liquidizes and grinders)	Screws and connections	IS4250:1980+A1:1983+A2:1986+A3:1989+A4:1989+A5:1992+

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
			A6:1993+A7:1994+A8:19 99+A9:2006+A10:2019 (Cl.28) RA
303.	Domestic electric food-mixers (liquidizes and grinders)	Stability and mechanical hazards	IS4250:1980+A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:19 99+A9:2006+A10:2019 (Cl.20) RA
304.	Domestic electric food-mixers (liquidizes and grinders)	Starting	IS4250:1980+A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:19 99+A9:2006+A10:2019 (Cl.9.0) RA
305.	Domestic electric food-mixers (liquidizes and grinders)	Strength of assembly	IS4250:1980 +A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:19 99+A9:2006+A10:2019 (Cl.37) RA
306.	Domestic electric food-mixers (liquidizes and grinders)	Supply connection and external flexible cords	IS4250:1980+A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:19 99+A9:2006+A10:2019 (Cl.25) RA
307.	Domestic electric food-mixers (liquidizes and grinders)	Temperature rise	IS4250:1980 +A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:19 99+A9:2006+A10:2019 (Cl.11) RA
308.	Domestic electric food-mixers (liquidizes and grinders)	Temperature with stand test for bowl	IS4250:1980+A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
			A6:1993+A7:1994+A8:19 99+A9:2006+A10:2019 (Cl.35) RA
309.	Domestic electric food-mixers (liquidizes and grinders)	Terminal for external conductors	IS4250:1980+A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:19 99+A9:2006+A10:2019 (Cl.26) RA
310.	Domestic electric food-mixers (liquidizes and grinders)	Test for controls	IS4250:1980+A1:1983+A2:1986+A3:1 989+A4:1989+A5:1992+ A6:1993+A7:1994+A8:19 99+A9:2006+A10:2019 (Cl.36) RA
311.	Toasters, grills, roasters	Abnormal operation (excluding cl.19.11.4.1, 19.11.4.2, 19.11.4.3 & 19.11.4.4)	IS 302-2-9 : 2009 (Cl.19) RA
312.	Toasters, grills, roasters	Classification	IS302-2-9:2009(Cl.6) RA
313.	Toasters, grills, roasters	Components (visual inspection only)	IS 302-2-9 : 2009 (Cl.24) RA
314.	Toasters, grills, roasters	Construction (excluding cl. 22.32, 22.47, 22.16, 22.46)	IS 302-2-9 : 2009 (Cl.22) RA
315.	Toasters, grills, roasters	Creepage distances and clearances	IS 302-2-9 : 2009 (Cl.29) RA

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
316.	Toasters, grills, roasters	Electrical insulation and leakage current at operating temperature	IS 302-2-9 : 2009 (Cl.13) RA
317.	Toasters, grills, roasters	Input and current	IS 302-2-9 : 2009 (Cl.10) RA
318.	Toasters, grills, roasters	Insulation resistance and electric strength (after humidity treatment)	IS 302-2-9 : 2009 (Cl.16) RA
319.	Toasters, grills, roasters	Internal wiring	IS 302-2-9 : 2009 (Cl.23) RA
320.	Toasters, grills, roasters	Marking	IS302-2-9:2009(Cl.7) RA
321.	Toasters, grills, roasters	Mechanical strength	IS 302-2-9 : 2009 (Cl.21) RA
322.	Toasters, grills, roasters	Moisture resistance	IS 302-2-9 : 2009 (Cl.15) RA
323.	Toasters, grills, roasters	Overload protection of transformers and associated circuits	IS 302-2-9 : 2009 (Cl.17) RA
324.	Toasters, grills, roasters	Protection against electric shock	IS302-2-9:2009(Cl.8) RA
325.	Toasters, grills, roasters	Provision for earthing	IS 302-2-9 : 2009 (Cl.27) RA
326.	Toasters, grills, roasters	Resistance to heat and fire and tracking	IS 302-2-9 : 2009 (Cl.30) RA
327.	Toasters, grills, roasters	Resistance to rusting	IS 302-2-9 : 2009 (Cl.31) RA
328.	Toasters, grills, roasters	Screws and connections	IS 302-2-9 : 2009 (Cl.28) RA

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
329.	Toasters, grills, roasters	Stability and mechanical hazards	IS 302-2-9 : 2009 (Cl.20) RA
330.	Toasters, grills, roasters	Supply connection and external flexible cords	IS 302-2-9 : 2009 (Cl.25) RA
331.	Toasters, grills, roasters	Temperature rise	IS 302-2-9 : 2009 (Cl.11) RA
332.	Toasters, grills, roasters	Terminal for external conductors	IS 302-2-9 : 2009 (Cl.26) RA
333.	Range hoods and cooking fume extractors	Internal wiring,	IS 302-2-31(Cl.23) IEC 60335-2-31:2012+AMD1:2016+AMD2:2018
334.	Range hoods and cooking fume extractors	Mechanical strength	IS 302-2-31(Cl.21) IEC 60335-2-31:2012+AMD1:2016+AMD2:2018
335.	Range hoods and cooking fume extractors	Screws and connections	IS 302-2-31(Cl.28) IEC 60335-2-31:2012+AMD1:2016+AMD2:2018
336.	Range hoods and cooking fume extractors	Terminal for external conductors	IS 302-2-31(Cl.26) IEC 60335-2-31:2012+AMD1:2016+AMD2:2018
337.	Range hoods and cooking fume extractors	Abnormal operation (excluding cl.19.11.4.1, 19.11.4.2, 19.11.4.3 & 19.11.4.4)	IS 302-2-31(Cl.19) IEC 60335-2-31:2012+AMD1:2016+AMD2:2018

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
338.	Range hoods and cooking fume extractors	Classification	IS 302-2-31(CI.6) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018,
339.	Range hoods and cooking fume extractors	Clearances, creepage distances and solid insulation	IS 302-2-31(CI.29) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
340.	Range hoods and cooking fume extractors	Components (visual inspection only)	IS 302-2-31(CI.24) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
341.	Range hoods and cooking fume extractors	Construction (Excluding cl. 22.32, 22.47, 22.16, 22.46)	IS 302-2-31(CI.22) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
342.	Range hoods and cooking fume extractors	Heating	IS 302-2-31(CI.11) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
343.	Range hoods and cooking fume extractors	Leakage current and electric strength	IS 302-2-31(CI.16) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
344.	Range hoods and cooking fume extractors	Leakage current and electric strength at operating temperature	IS 302-2-31(CI.13) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
345.	Range hoods and cooking fume extractors	Marking and instructions	IS 302-2-31(CI.7) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
346.	Range hoods and cooking fume extractors	Moisture resistance	IS 302-2-31(CI.15) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
347.	Range hoods and cooking fume extractors	Overload protection of transformers and associated circuits	IS 302-2-31(CI.17) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
348.	Range hoods and cooking fume extractors	Power input & current	IS 302-2-31(CI.10) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
349.	Range hoods and cooking fume extractors	Protection against access to live parts	IS 302-2-31(CI.8) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
350.	Range hoods and cooking fume extractors	Provision for earthing	IS 302-2-31(CI.27) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
351.	Range hoods and cooking fume extractors	Radiation, toxicity and similar hazardous	IS 302-2-31(CI.32) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
352.	Range hoods and cooking fume extractors	Resistance to heat and fire	IS 302-2-31(CI.30) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
353.	Range hoods and cooking fume extractors	Resistance to rusting	IS 302-2-31(CI.31) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
354.	Range hoods and cooking fume extractors	Stability and mechanical hazards	IS 302-2-31(CI.20) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
355.	Range hoods and cooking fume extractors	Supply connection and external flexible cables and cords	IS 302-2-31(CI.25) IEC 60335-2-31:2012+AMD1: 2016+AMD2:2018
356.	Electric fence energizer	Classification	IEC 60335-2-76 (CI No. 6)
357.	Electric fence energizer	Moisture resistance	IEC 60335-2-76 (CI No.15)
358.	Electric fence energizer	Power input and current	IEC 60335-2-76 (CI No. 10)
359.	Electric fence energizer	Abnormal operation (Excluding cl.19.11.4.1,19.11.4.2, 19.11.4.3 & 19.11.4.4)	IEC 60335-2-76 (CI. No 19)
360.	Electric fence energizer	Classification	IS 302 (Part 2 / Sec 76) (CI No. 6)
361.	Electric fence energizer	Clearances, creepage distance and solid insulation	IS 302 (Part 2 / Sec 76) (CI No. 29)
362.	Electric fence energizer	Clearances, creepage distances and solid insulation	IEC 60335-2-76 (CI No. 29)
363.	Electric fence energizer	Components (visual test only for certified components)	IEC 60335-2-76 (CI No. 24)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
364.	Electric fence energizer	Components (visual test only for certified components)	IS 302 (Part 2 / Sec 76) (CI No. 24)
365.	Electric fence energizer	Construction (Excluding cl. 22.32, 22.47, 22.16, 22.46)	IEC 60335-2-76 (CI No. 22)
366.	Electric fence energizer	Construction (Excluding cl. 22.32, 22.47, 22.16, 22.46)	IS 302 (Part 2 / Sec 76) (CI No. 22)
367.	Electric fence energizer	Endurance	IEC 60335-2-76 (CI No. 18)
368.	Electric fence energizer	Endurance	IS 302 (Part 2 / Sec 76) (CI No. 18)
369.	Electric fence energizer	Heating	IEC 60335-2-76 (CI No. 11)
370.	Electric fence energizer	Heating	IS 302 (Part 2 / Sec 76) (CI No. 11)
371.	Electric fence energizer	Internal wiring	IEC 60335-2-76 (CI No. 23)
372.	Electric fence energizer	Internal wiring	IS 302 (Part 2 / Sec 76) (CI No. 23)
373.	Electric fence energizer	Leakage current and electric strength	IEC 60335-2-76 (CI No. 16)
374.	Electric fence energizer	Leakage current and electric strength	IS 302 (Part 2 / Sec 76) (CI No. 16)
375.	Electric fence energizer	Leakage current and electric strength at operating temperature	IEC 60335-2-76 (CI No. 13)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
376.	Electric fence energizer	Leakage current and electric strength at operating temperature	IS 302 (Part 2 / Sec 76) (CI No. 13)
377.	Electric fence energizer	Marking and instructions	IEC 60335-2-76 (CI No. 7)
378.	Electric fence energizer	Mechanical strength	IEC 60335-2-76 (CI No. 21)
379.	Electric fence energizer	Mechanical strength	IS 302 (Part 2 / Sec 76) (CI No. 21)
380.	Electric fence energizer	Moisture resistance	IS 302 (Part 2 / Sec 76) (CI No. 15)
381.	Electric fence energizer	Overload protection of transformers and associated circuits	IEC 60335-2-76 (CI No. 17)
382.	Electric fence energizer	Overload protection of transformers and associated circuits	IS 302 (Part 2 / Sec 76) (CI No. 17)
383.	Electric fence energizer	Power input and current	IEC 60335-2-76 (CI No. 10)
384.	Electric fence energizer	Power input and current	IS 302 (Part 2 / Sec 76) (CI No. 10)
385.	Electric fence energizer	Protection against access to live part	IS 302 (Part 2 / Sec 76) (CI No. 8)
386.	Electric fence energizer	Protection against access to live parts	IEC 60335-2-76 (CI No. 8)
387.	Electric fence energizer	Provision for earthing	IEC 60335-2-76 (CI No. 27)
388.	Electric fence energizer	Provision for earthing	IS 302 (Part 2 / Sec 76) (CI No. 27)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
389.	Electric fence energizer	Resistance to heat & fire cl no. 30)	IS 302 (Part 2 / Sec 76)
390.	Electric fence energizer	Resistance to heat and fire	IEC 60335-2-76 (Cl No. 30)
391.	Electric fence energizer	Stability & mechanical hazards	IS 302 (Part 2 / Sec 76) (Cl No. 20)
392.	Electric fence energizer	Stability and mechanical hazards	IEC 60335-2-76 (Cl No. 20)
393.	Electric fence energizer	Supply connection and external flexible cords	IS 302 (Part 2 / Sec 76) (Cl No. 25)
394.	Electric fence energizer	Supply connections and external flexible cord	IEC 60335-2-76 (Cl No. 25)
395.	Electric fence energizer	Abnormal operation (excluding Cl.19.11.4.1, 19.11.4.2, 19.11.4.3 & 19.11.4.4)	IS 302 (Part 2 / Sec 76) (Cl No. 19)
396.	Electric fence energizer	Terminals for external conductors	IEC 60335-2-76 (Cl No. 26)
397.	Electric fence energizer	Terminals for external conductors	IS 302 (Part 2 / Sec 76) (Cl No. 26)
398.	Electric fence energizer	Transient over voltages (up to 6kv)	IEC 60335-2-76 (Cl No. 14)
399.	Electric fence energizer	Transient over voltages (up to 6kv)	IS 302 (Part 2 / Sec 76) (Cl No. 14)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
400.	Electric Fence Energizer	Verification of marking & instruction	IS 302 (Part 2 / Sec 76) (Cl No. 7)
401.	Audio video and similar electronic apparatus	Antenna coaxial sockets mounted on the apparatus & telescoping or rod antennas	Cl. 12.5 to 12.6 of IS 616 : 2017
402.		Apparatus containing coin/button cell batteries	Cl. 12.7 of IS 616: 2017
403.		Apparatus containing coin/button cell batteries	Cl. 12.7 of IS 616 : 2017
404.		Bump test	Cl. 12.1.2 of IS 616 : 2017
405.		Clearance and creepage distance	Cl. 13 of IS 616 : 2017
406.		Clearance creepage distance	Cl. 13 of IS 616 : 2017
407.		Components	Cl. 14 (Except Cl. 14.2, Cl. 14.4, Cl. 14.5.1, Cl. 14.5.2, Cl.14.5.3, Cl. 14.6, Cl.14.7 & Cl. 14.12) of IS 616: 2017
408.		Constructional requirements with regard to the protection against electric shock	Cl. 8 of IS 616 : 2017
409.		Constructional requirements with regard to the protection against electric shock	Cl. 8 of IS 616 : 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
410.		Constructional requirements with regards to protection against electric shock	Cl. 8 of IS 616: 2017
411.		Dielectric strength	Cl.10.4 of IS 616 : 2017
412.		Drawers	Cl. 12.4 of IS 616: 2017
413.		Drop test	Cl. 12.1.5 of IS 616: 2017
414.		Electric shock hazard under normal operating conditions	Cl. 9.1.1 to 9.1.6 of IS 616 : 2017
415.		Electric shock hazard under normal operating conditions	Cl. 9.1.1 to 9.1.6 of IS 616: 2017
416.		Electric shock hazard under normal operating conditions	Cl. 9 of IS 616: 2017
417.		Electrical connection and mechanical fixings	Cl. 17 of IS 616: 2017
418.		Electrical connection and mechanical fixings.	Cl. 17 of IS 616: 2017
419.		External flexible cords.	Cl. 16 of IS 616: 2017
420.		External flexible cords.	Cl. 16 of IS 616: 2017
421.		Fault condition.	Cl. 11 of IS 616: 2017
422.		Fault condition.	Cl. 11 of IS 616: 2017
423.		Fault condition.	Cl. 11 of IS 616: 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
424.		Fixing of knobs push buttons keys and levers.	Cl. 12.2 of IS 616:2017
425.		Heating under normal operating conditions.	Cl. 7 of IS 616: 2017
426.		Heating under normal operating conditions.	Cl. 7 of IS 616: 2017
427.		Humidity treatment.	Cl. 10.3 of IS 616: 2017
428.		Impact test.	Cl. 12.1.4 of IS 616: 2017
429.		Insulation resistance.	Cl.10.4 of IS 616: 2017
430.		Marking and instructions.	Cl. 5 of IS 616: 2017
431.		Marking and instructions.	Cl. 5 of IS 616: 2017
432.		Remote control devices held in hand.	Cl. 12.3 of IS 616: 2017
433.		Removal of protective covers.	Cl. 9.2 of IS 616: 2017
434.		Removal of protective covers.	Cl. 9.2 of IS 616: 2017
435.		Resistance to external forces.	Cl. 9.1.7 of IS 616: 2017
436.		Resistance to fire	Cl. 20 of IS 616: 2017
437.		Stability & mechanical hazards	Cl. 19 of IS 616: 2017
438.		Stability & mechanical hazards	Cl. 19 of IS 616: 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
439.		Stress relief test	Cl. 12.1.6 of IS 616: 2017
440.		Surge test	Cl. 10.2 of IS 616: 2017
441.		Terminals	Cl. 15 of IS 616: 2017
442.		Terminals	Clause 15 of IS 616: 2017
443.		Terminals	Clause 15 of IS 616: 2017
444.		Vibration test	Clause 12.1.3 of IS 616: 2017



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and accessories		
1.	Fixed general purpose Luminaries	Construction	Cl. 7 of IS 10322 (Part 5/Sec 1): 2012
2.	Fixed general purpose Luminaries	Construction	Cl. 7 of IS 10322 (Part 5/Sec 1): 2012
3.	Fixed general purpose Luminaries	Construction	Cl. 7 of IS 10322 (Part 5/Sec 1): 2012
4.	Fixed general purpose Luminaries	Creepage Distances and Clearances	Cl. 8 of IS 10322 (Part 5/Sec 1): 2012
5.	Fixed general purpose Luminaries	Endurance Tests and Thermal Tests	Cl. 13 of IS 10322 (Part 5/Sec 1): 2012
6.	Fixed general purpose Luminaries	External & Internal Wiring	Cl. 11 of IS 10322 (Part 5/Sec 1): 2012
7.	Fixed general purpose Luminaries	Insulation Resistance and Electric Strength	Cl. 15 of IS 10322 (Part 5/Sec 1): 2012
8.	Fixed general purpose Luminaries	Protection against Electric Shock	Cl. 12 of IS 10322 (Part 5/Sec 1): 2012
9.	Fixed general purpose Luminaries	Provision for Earthing	Cl. 9 of IS 10322 (Part 5/Sec 1): 2012
10.	Fixed general purpose Luminaries	Resistance To Heat, Fire and Tracking	Cl. 16 of IS 10322 (Part 5/Sec 1): 2012
11.	Fixed general purpose Luminaries	Resistance To Dust, Solid Objects and Moisture	Cl. 14 of IS 10322 (Part 5/Sec 1): 2012

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and accessories		
12.	Fixed general purpose Luminaries	Resistance to Heat, Fire and Tracking	Cl. 16 of IS 10322 (Part 5/Sec 1): 2012
13.	Fixed general purpose Luminaries	Terminals	Cl. 10 of IS 10322 (Part 5/Sec 1): 2012
14.	Fixed general purpose Luminaries	Visual Examination & Marking	Cl. 6 of IS 10322 (Part 5/Sec 1): 2012
15.	D.C or A.C supplied electronic control gear for LED modules	Circuit Power Factor	Cl. 9 of IS 16104: 2012
16.	D.C or A.C supplied electronic control gear for LED modules	Marking	Cl. 6 of IS 16104: 2012
17.	D.C or A.C supplied electronic control gear for LED modules	Operational Test for Abnormal condition	Cl. 12 of IS 16104: 2012
18.	D.C or A.C supplied electronic control gear for LED modules	Supply Current	Cl. 10 of IS 16104: 2012
19.	D.C or A.C supplied electronic control gear for LED modules	Total Circuit Power	Cl. 8 of IS 16104: 2012
20.	D.C or A.C supplied electronic control gear for LED modules	Endurance	Cl. 13 of IS 16104: 2012
21.	D.C or A.C supplied electronic control gear for LED modules	Provision for Protective Earthing	Cl. 10 of IS 15885 (Part 2/Sec 13): 2012

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and accessories		
22.	D.C or A.C supplied electronic control gear for LED modules	Voltage & Current during operation	Cl. 7.2 of IS 16104: 2012
23.	D.C or A.C supplied electronic control gear for LED modules	Voltage & Current during operation	Cl. 7.2 of IS 16104: 2012
24.	D.C or A.C supplied electronic control gear for LED modules	Creepage Distance and clearance	Cl. 17 of IS 15885 (Part 2/Sec 13): 2012
25.	D.C or A.C supplied electronic control gear for LED modules	Resistance to heat, fire and tracking	Cl. 19 of IS 15885 (Part 2/Sec 13): 2012
26.	D.C or A.C supplied electronic control gear for LED modules	Screws, current carrying parts, and connections	Cl. 18 of IS 15885 (Part 2/Sec 13): 2012
27.	D.C or A.C supplied electronic control gear for LED modules	Construction	Cl. 16 of IS 15885 (Part 2/Sec 13): 2012
28.	D.C or A.C supplied electronic control gear for LED modules	Resistance to corrosion	Cl. 20 of IS 15885 (Part 2/Sec 13): 2012
29.	D.C or A.C supplied electronic control gear for LED modules	Resistance to heat, fire and tracking	Cl. 19 of IS 15885 (Part 2/Sec 13): 2012
30.	D.C or A.C supplied electronic control gear for LED modules	Construction	Cl. 16 of IS 15885 (Part 2/Sec 13): 2012
31.	D.C or A.C supplied electronic control gear for LED modules	Electric strength	Cl. 12 of IS 15885 (Part 2/Sec 13): 2012

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and accessories		
32.	D.C or A.C supplied electronic control gear for LED modules	Fault conditions	Cl. 14 of IS 15885 (Part 2/Sec 13): 2012
33.	D.C or A.C supplied electronic control gear for LED modules	Fault conditions	Cl. 14 of IS 15885 (Part 2/Sec 13): 2012
34.	D.C or A.C supplied electronic control gear for LED modules	Fault conditions	Cl. 14 of IS 15885 (Part 2/Sec 13): 2012
35.	D.C or A.C supplied electronic control gear for LED modules	Marking	Cl. 7 of IS 15885 (Part 2/sec 13): 2012
36.	D.C or A.C supplied electronic control gear for LED modules	Moisture resistance and insulation	Cl. 11 of IS 15885 (Part 2/Sec 13): 2012
37.	D.C or A.C supplied electronic control gear for LED modules	Protection against accidental contact against live parts	Cl. 8 of IS 15885 (Part 2/sec 13): 2012
38.	D.C or A.C supplied electronic control gear for LED modules	Terminals	Cl. 9 of IS 15885 (Part 2/Sec 13): 2012
39.	D.C or A.C supplied electronic control gear for LED modules	Terminals	Cl. 9 of IS 15885 (Part 2/sec 13): 2012
40.	D.C or A.C supplied electronic control gear for LED modules	Transformer heating	Cl.15 of IS 15885 (Part 2/Sec 13): 2012
41.	Hand lamps	Classification of luminaries	Cl. 5 of IS 10322 (Part 5/Sec 6): 2013

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and accessories		
42.	Hand lamps	Construction	Cl. 7 of IS 10322 (Part 5/Sec 6): 2013
43.	Hand lamps	Construction	Cl. 7 of IS 10322 (Part 5/Sec 6): 2013
44.	Hand lamps	Creepage distances and clearances	Cl. 8 of IS 10322 (Part 5/Sec 6): 2013
45.	Hand lamps	Endurance tests and thermal tests	Cl. 13 of IS 10322 (Part 5/Sec 6): 2013
46.	Hand lamps	External & internal wiring	Cl. 11 of IS 10322 (Part 5/Sec 6): 2013
47.	Hand lamps	Insulation resistance and electric strength	Cl. 15 of IS 10322 (Part 5/Sec 6): 2013
48.	Hand lamps	Protection against electric shock	Cl. 12 of IS 10322 (Part 5/Sec 6): 2013
49.	Hand lamps	Resistance to dust, solid objects, and moisture	Cl. 14 of IS 10322 (Part 5/Sec 6): 2013
50.	Hand lamps	Resistance to heat, fire and tracking	Cl. 16 of IS 10322 (Part 5/Sec 6): 2013
51.	Hand lamps	Resistance to heat, fire, and tracking	Cl. 16 of IS 10322 (Part 5/Sec 6): 2013
52.	Hand lamps	Terminals	Cl. 10 of IS 10322 (Part 5/Sec 6): 2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and accessories		
53.	Hand lamps	Visual examination & marking	Cl. 6 of IS 10322 (Part 5/Sec 6): 2013
54.	LED modules	Construction	Cl. 15 of IS 16103-1: 2012
55.	LED modules	Creepage distances and clearances	Cl. 16 of IS 16103-1: 2012
56.	LED modules	Electric strength	Cl. 12 of IS 16103-1: 2012
57.	LED modules	Electric strength	Cl. 12 of IS 16103-1: 2012
58.	LED modules	Fault conditions	Cl. 13 of IS 16103-1: 2012
59.	LED modules	Fault conditions	Cl. 13 of IS 16103-1: 2012
60.	LED modules	Marking	Cl. 7 of IS 16103-1: 2012
61.	LED modules	Moisture resistance & insulation	Cl. 11 of IS 16103-1: 2012
62.	LED modules	Protection against accidental contact with live parts	Cl. 10 of IS 16103-1: 2012
63.	LED modules	Provisions for protective earthing	Cl. 9 of IS 16103-1: 2012
64.	LED modules	Resistance to corrosion	Cl. 19 of IS 16103-1: 2012
65.	LED modules	Resistance to heat, fire and tracking	Cl. 18 of IS 16103-1: 2017
66.	LED modules	Resistance to Heat, Fire and Tracking	Cl. 18 of IS 16103-1: 2012

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and accessories		
67.	LED modules	Screws, current carrying parts and connections	Cl. 17 of IS 16103-1: 2012
68.	LED modules	Screws, current carrying parts and connections	Cl. 17 of IS 16103-1: 2012
69.	LED modules	Screws, current carrying parts and connections	Cl. 17 of IS 16103-1: 2012
70.	LED modules	Terminals	Cl. 18 of IS 16103-1: 2012
71.	Lighting chains	Classification of luminaries	Cl. 20.5 of IS 10322 (Part 5/Sec 7): 2018
72.	Lighting chains	Construction	Cl. 20.7 of IS 10322 (Part 5/Sec 7): 2017
73.	Lighting chains	Construction	Cl. 20.7 of IS 10322 (Part 5/Sec 7): 2017
74.	Lighting chains	Construction	Cl. 20.7 of IS 10322 (Part 5/Sec 7): 2017
75.	Lighting chains	Creepage distances and clearances	Cl. 20.8 of IS 10322 (Part 5/Sec 7): 2017
76.	Lighting chains	Endurance tests and thermal tests	Cl. 20.13 of IS 10322 (Part 5/Sec 7): 2017
77.	Lighting chains	External & internal wiring	Cl. 20.11 of IS 10322 (Part 5/Sec 7): 2017
78.	Lighting chains	Insulation resistance and electric strength	Cl. 20.15 of IS 10322 (Part 5/Sec 7): 2017

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	Lamps, Luminaries and accessories		
79.	Lighting chains	Protection against electric shock	Cl. 20.12 of IS 10322 (Part 5/Sec 7): 2017
80.	Lighting chains	Resistance to dust, solid objects and moisture	Cl. 20.14 of IS 10322 (Part 5/Sec 7): 2017
81.	Lighting chains	Resistance to heat, fire and tracking	Cl. 20.16 of IS 10322 (Part 5/Sec 7): 2017
82.	Lighting chains	Resistance to heat, fire and tracking	Cl. 20.16 of IS 10322 (Part 5/Sec 7): 2017
83.	Lighting chains	Terminals	Cl. 20.10 of IS 10322 (Part 5/Sec 7): 2017
84.	Lighting chains	Visual examination & marking	Cl. 20.6 of IS 10322 (Part 5/Sec 7): 2017
85.	Rope lights	Classification of luminaries	Cl. 21.5 of IS 10322 (Part 5/Sec 9): 2017
86.	Rope lights	Construction	Cl. 21.7 of IS 10322 (Part 5/Sec 9): 2017
87.	Rope lights	Construction	Cl. 21.7 of IS 10322 (Part 5/Sec 9): 2017
88.	Rope lights	Creepage distances and clearances	Cl. 21.8 of IS 10322 (Part 5/Sec 9): 2017
89.	Rope lights	Endurance tests and thermal tests	Cl. 21.13 of IS 10322 (Part 5/Sec 9): 2017

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Scope of Accreditation

Swastik Electronics Testing Centre (OPC) Pvt. Ltd.

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QAI/CIA/TL/2024/0086

Valid from: 08 November 2024

Valid until: 07 November 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and accessories		
90.	Rope lights	External & internal wiring	Cl. 21.11 of IS 10322 (Part 5/Sec 9): 2017
91.	Rope lights	Insulation resistance and electric strength	Cl. 21.15 of IS 10322 (Part 5/Sec 9): 2017
92.	Rope lights	Protection against electric shock	Cl. 21.12 of IS 10322 (Part 5/Sec 9): 2017
93.	Rope lights	Resistance to dust, solid objects and moisture	Cl. 21.14 of IS 10322 (Part 5/Sec 9): 2017
94.	Rope lights	Resistance to heat, fire and tracking	Cl. 21.16 of IS 10322 (Part 5/Sec 9): 2017
95.	Rope lights	Resistance to heat, fire and tracking	Cl. 21.16 of IS 10322 (Part 5/Sec 9): 2017
96.	Rope lights	Terminals	Cl. 21.10 of IS 10322 (Part 5/Sec 9): 2017
97.	Rope lights	Visual examination & marking	Cl. 21.6 of IS 10322 (Part 5/Sec 9): 2017
98.	Self-ballasted lamps	Cap temperature rise	Cl. 10 of IS 16102 (Part 1): 2012
99.	Self-ballasted lamps	Creepage distance and clearances	Cl.14 of IS 16102 (Part 1): 2012
100.	Self-ballasted lamps	Insulation resistance and electric strength after humidity treatment	Cl. 8 of IS 16102 (Part 1): 2012
101.	Self-ballasted lamps	Mechanical strength	Cl. 9 of IS 16102 (Part 1): 2012

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and accessories		
102.	Self-ballasted lamps	Fault conditions	Cl. 13 of IS 16102 (Part 1): 2012
103.	Self-ballasted lamps	Fault conditions	Cl.13 of IS 16102 (Part 1): 2012
104.	Self-ballasted lamps	Interchange ability	Cl.13 of IS 16102 (Part 1): 2012
105.	Self-ballasted lamps	Marking	Cl. 5 of IS 16102 (Part 1): 2012
106.	Self-ballasted lamps	Protection against accidental contact with live parts	Cl. 7 of IS 16102 (Part 1): 2012
107.	Self-ballasted lamps	Resistance to flame and ignition	Cl. 12 of IS 16102 (Part 1): 2012
108.	Self-ballasted lamps	Resistance to heat	Cl. 11 of IS 16102 (Part 1): 2012
109.	Self-ballasted lamps	Resistance to heat	Cl. 5 of IS 16102 (Part 1): 2012



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
1.	Portable sealed secondary cells and batteries (nickel system)	Assembly of cells into batteries	Cl. 5.6 of IS 16046-1: 2018+A1: 2020
2.	Portable sealed secondary cells and batteries (nickel system)	Case stress	Cl. 7.2.3 of IS 16046- 1: 2018+A1: 2020
3.	Portable sealed secondary cells and batteries (nickel system)	Charging of cells/ batteries	Cl. 7.1 of IS 16046-1: 2018+A1: 2020
4.	Portable sealed secondary cells and batteries (nickel system)	Continuous low-rate charging	Cl. 7.2.1 of IS 16046- 1: 2018+A1: 2020
5.	Portable sealed secondary cells and batteries (nickel system)	Crushing of cells	Cl. 7.3.6 of IS 16046-1: 2018+A1: 2020
6.	Portable sealed secondary cells and batteries (nickel system)	External short circuit	Cl. 7.3.2 of IS 16046-1: 2018+A1: 2020
7.	Portable sealed secondary cells and batteries (nickel system)	Force discharge	Cl. 7.3.9 of IS 16046-1: 2018+A1: 2020
8.	Portable sealed secondary cells and batteries (nickel system)	Free fall	Cl. 7.3.3 of IS 16046-1: 2018+A1: 2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
9.	Portable sealed secondary cells and batteries (nickel system)	Incorrect installation	Cl. 7.3.1 of IS 16046-1: 2018+A1: 2020
10.	Portable sealed secondary cells and batteries (nickel system)	Information for safety	Cl. 8.0 of IS 16046-1: 2018+A1: 2020
11.	Portable sealed secondary cells and batteries (nickel system)	Insulation and wiring	Cl. 5.2 of IS 16046-1: 2018+A1: 2020
12.	Portable sealed secondary cells and batteries (nickel system)	Low pressure	Cl. 7.3.7 of IS 16046-1: 2018+A1: 2020
13.	Portable sealed secondary cells and batteries (nickel system)	Marking	Cl. 9.0 of IS 16046-1: 2018+A1: 2020
14.	Portable sealed secondary cells and batteries (nickel system)	Mechanical shock	Cl. 7.3.4 of IS 16046-1: 2018+A1: 2020
15.	Portable sealed secondary cells and batteries (nickel system)	Overcharge	Cl. 7.3.8 of IS 16046-1: 2018+A1: 2020
16.	Portable sealed secondary cells and batteries (nickel system)	Packaging	Cl. 10.0 of IS 16046-1: 2018+A1: 2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
17.	Portable sealed secondary cells and batteries (nickel system)	Temperature cycling	Cl. 7.2.4 of IS 16046-1: 2018+A1: 2020
18.	Portable sealed secondary cells and batteries (nickel system)	Terminal contacts	Cl. 5.5 of IS 16046-1: 2018+A1: 2020
19.	Portable sealed secondary cells and batteries (nickel system)	Thermal abuse	Cl. 7.3.5 of IS 16046-1: 2018+A1: 2020
20.	Portable sealed secondary cells and batteries (nickel system)	Type test and Sample Size	Cl. 6.0 of IS 16046-1:2018+A1: 2020
21.	Portable sealed secondary cells and batteries (nickel system)	Vibration	Cl. 7.2.2 of IS 16046-1: 2018+A1: 2020
22.	Portable sealed secondary cells and batteries (lithium system)	Charging of Cells/Batteries	Cl. 7.1 of IS 16046-2: 2018+A: 2020
23.	Portable sealed secondary cells and batteries (lithium system)	Assembly of cells into batteries	Cl. 5.6 of IS 16046-2 :2018+A1: 2020
24.	Portable sealed secondary cells and batteries (lithium system)	Battery Safety components	Cl.5.8 of IS 16046-2: 2018+A1: 2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
25.	Portable sealed secondary cells and batteries (lithium system)	Case Stress	Cl. 7.2.2 of IS 16046- 2: 2018+A1: 2020
26.	Portable sealed secondary cells and batteries (lithium system)	Continuous low-rate charging	Cl. 7.2.1 of IS 16046-2: 2018+A1: 2020
27.	Portable sealed secondary cells and batteries (lithium system)	Crush (Cells)	Cl. 7.3.5 of IS 16046- 2: 2018+A1: 2020
28.	Portable sealed secondary cells and batteries (lithium system)	External short circuit	Cl. 7.3.1, 7.3.2 of IS 16046-2: 2018+A1: 2020
29.	Portable sealed secondary cells and batteries (lithium system)	Force discharge	Cl. 7.3.7 of IS 16046-2: 2018+A1: 2020
30.	Portable sealed secondary cells and batteries (lithium system)	Free Fall	Cl. 7.3.3 of IS 16046-2: 2018+A1: 2020
31.	Portable sealed secondary cells and batteries (lithium system)	Information for safety	Cl. 8.0 of IS 16046-2:2018+A1: 2020
32.	Portable sealed secondary cells and batteries (lithium system)	Insulation and wiring	Cl. 5.2 of IS 16046-2:2018+A1: 2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
33.	Portable sealed secondary cells and batteries (lithium system)	Marking	Cl. 9.0 of IS 16046-2:2018+A1: 2020
34.	Portable sealed secondary cells and batteries (lithium system)	Mechanical shock	Cl. 7.3.8.2 of IS16046-2: 2018+A1: 2020
35.	Portable sealed secondary cells and batteries (lithium system)	Overcharge	Cl. 7.3.6 of IS 160462: 2018+A1: 2020
36.	Portable sealed secondary cells and batteries (lithium system)	Packaging and transport	Cl. 10.0 of IS 16046- 2: 2018+A1: 2020
37.	Portable sealed secondary cells and batteries (lithium system)	Terminal contacts	Cl. 5.5 of IS 16046-2: 2018+A1: 2020
38.	Portable sealed secondary cells and batteries (lithium system)	Thermal abuse	Cl. 7.3.4 of IS 160462: 2018+A1: 2020
39.	Portable sealed secondary cells and batteries (lithium system)	Type test and sample size	Cl. 6.0, Annex D of IS 16046-2: 2018+A1: 2020
40.	Portable sealed secondary cells and batteries (lithium system)	Vibration	Cl. 7.3.8.1 of IS 16046-2: 2018+A1: 2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
41.	Secondary cells and batteries containing alkaline or other non-acid electrolyte	Altitude simulation	Cl. 38.3.4.1 of UN 38.3: 2019
42.	Secondary cells and batteries containing alkaline or other non-acid electrolyte	External short circuit	Cl. 38.3.4.5 of UN 38.3: 2019
43.	Secondary cells and batteries containing alkaline or other non-acid electrolyte	External short circuit	Cl. 38.3.4.5 of UN 38.3: 2019
44.	Secondary cells and batteries containing alkaline or other non-acid electrolyte	Force discharge	Cl. 38.3.4.8 of UN 38.3: 2019
45.	Secondary cells and batteries containing alkaline or other non-acid electrolyte	Impact/crush	Cl. 38.3.4.6 of UN 38.3: 2019
46.	Secondary cells and batteries containing alkaline or other non-acid electrolyte	Overcharge	Cl. 38.3.4.7 of UN 38.3: 2019
47.	Secondary cells and batteries containing alkaline or other non-acid electrolyte	Shock	Cl. 38.3.4.4 of UN 38.3: 2019
48.	Secondary cells and batteries containing alkaline or other non-acid electrolyte	Thermal test	Cl. 38.3.4.2 of UN 38.3: 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
49.	Secondary cells and batteries containing alkaline or other non-acid electrolyte	Vibration	Cl. 38.3.4.3 of UN 38.3: 2019
50.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Charge (capacity) retention	Cl. 7.4 of IS 16048 (Part 2): 2013
51.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Discharge performance for rapid charge cells (R cells)	Cl. 7.3.4 of IS 16048 (Part 2): 2013
52.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Charge acceptance at +55 Â°C for LT, MT or HT cylindrical cells	Cl. 7.11 of IS 16048 (Part 2): 2013
53.	Secondary cells and batteries containing alkaline or other non-acid electrolytes	Charging procedure for test purposes	Cl. 7.2 of IS 16048 (Part 2): 2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	"portable sealed rechargeable single cells "nickel-metal hydride"		
54.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Dimensions	Cl. 6 of IS 16048 (Part 2): 2013
55.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Discharge performance at 0 Â°C	Cl. 7.3.3 of IS 16048 (Part 2): 2013
56.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Discharge performance at 20 Â°C	Cl. 7.3.2 of IS 16048 (Part 2): 2013
57.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable	Endurance in cycles	Cl. 7.5.1 of IS 16048 (Part 2): 2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	single cells "nickel-metal hydride"		
58.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Measurement of the Internal A.C. resistance	Cl. 7.12.2 of IS 16048 (Part 2): 2013
59.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Measurement of the Internal A.C. resistance	Cl. 7.12.2 of IS 16048 (Part 2): 2013
60.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Measurement of the Internal D.C. resistance	Cl. 7.12.3 of IS 16048 (Part 2): 2013
61.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable	Overcharge	Cl. 7.7 of IS 16048 (Part 2): 2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	single cells "nickel-metal hydride"		
62.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Permanent charge endurance	Cl. 7.5.2 of IS 16048 (Part 2): 2013
63.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Safety device operation	Cl. 7.8 of IS 16048 (Part 2): 2013
64.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Storage	Cl. 7.10 of IS 16048 (Part 2): 2013
65.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable	Surface temp limitation device operation (for S cell only)	Cl. 7.9 of IS 16048 (Part 2): 2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	single cells "nickel-metal hydride"		
66.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Measurement of the Internal AC resistance	CL. 7.7.2 of IS 16047 (Part 3):2018
67.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Cell designation and marking	CL. 5 of IS 16047 (Part 3): 2018
68.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Charge (Capacity) Recovery after long term storage	CL. 7.5 of IS 16047 (Part 3):2018



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
69.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Charge (Capacity) retention and recovery	Cl. 7.4 of IS 16047 (Part 3):2018
70.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Charging procedure for Test purposes	Cl. 7.2 of IS 16047 (Part 3):2018
71.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Discharge performance	Cl. 7.3, Cl. 7.3.1, Cl. 7.3.2, Cl. 7.3.3 of IS 16047 (Part 3):2018
72.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Endurance in cycles	Cl. 7.6, Cl. 7.6.1, Cl. 7.6.2, Cl. 7.6.3 of IS 16047 (Part 3):2018
73.	Secondary cells and batteries containing alkaline or other	Measurement of the Internal AC resistance	Cl. 7.7.2 of IS 16047 (Part 3):2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	non-acid electrolytes secondary lithium cells and batteries for portable application		
74.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Measurement of the Internal DC resistance	Cl. 7.7.3 of IS 16047 (Part 3):2018
75.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Measurement of the Internal DC resistance	Cl. 7.7.3 of IS 16047 (Part 3):2018
76.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Overcharge	Cl. 7.7 of IS 16048 (Part 2): 2013
77.	Secondary cells and batteries containing alkaline or other non-acid electrolytes	Permanent charge endurance	Cl. 7.5.2 of IS 16048 (Part 2): 2013

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	"portable sealed rechargeable single cells "nickel-metal hydride"		
78.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Safety device operation	Cl. 7.8 of IS 16048 (Part 2): 2013
79.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Storage	Cl. 7.10 of IS 16048 (Part 2): 2013
80.	Secondary cells and batteries containing alkaline or other non-acid electrolytes "portable sealed rechargeable single cells "nickel-metal hydride"	Surface temp limitation device operation (for S cell only)	Cl. 7.9 of IS 16048 (Part 2): 2013
81.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and	Measurement of the Internal AC resistance	CL. 7.7.2 of IS 16047 (Part 3):2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	batteries for portable application		
82.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Cell designation and marking	CL. 5 of IS 16047 (Part 3):2018
83.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Charge (Capacity) Recovery after long term storage	Cl. 7.5 of IS 16047 (Part 3):2018
84.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Charge (Capacity) retention and recovery	Cl. 7.4 of IS 16047 (Part 3):2018
85.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and	Charging procedure for Test purposes	Cl. 7.2 of IS 16047 (Part 3):2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	batteries for portable application		
86.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Discharge performance	Cl. 7.3, Cl. 7.3.1, Cl. 7.3.2, Cl. 7.3.3 of IS 16047 (Part 3):2018
87.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Endurance in cycles	Cl. 7.6, Cl. 7.6.1, Cl. 7.6.2, Cl. 7.6.3 of IS 16047 (Part 3): 2018
88.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Measurement of the Internal AC resistance	Cl. 7.7.2 of IS 16047 (Part 3): 2018
89.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Measurement of the Internal DC resistance	Cl. 7.7.3 of IS 16047 (Part 3): 2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
90.	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable application	Measurement of the Internal DC resistance	CL. 7.7.3 of IS 16047 (Part 3): 2018
91.	Secondary cells and batteries for solar photovoltaic application- general requirements and method for tests	Endurance Test	IS 16270:2014 (Cl. 8.2)
92.	Secondary cells and batteries for solar photovoltaic application- general requirements and method for tests	Functional characteristics	IS 16270:2014 (Cl. 6)
93.	Secondary cells and batteries for solar photovoltaic application- general requirements and method for tests	General requirements	IS 16270:2014 (Cl. 5.0)
94.	Secondary cells and batteries for solar photovoltaic application-general	General test conditions	IS 16270:2014 (Cl. 7)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	requirements and method for tests		
95.	Secondary cells and batteries for solar photovoltaic application-general requirements and method for tests	Non-spillability / semi non spillability / splash proof test	IS 16270:2014 (Cl. 8.7)
96.	Secondary cells and batteries for solar photovoltaic application-general requirements and method for tests	Sulphation test	IS 16270: 2014 (Cl. 8.5)
97.	Secondary cells and batteries for solar photovoltaic application-general requirements and method for tests	Verification of marking	IS 16270: 2014 (Cl. 5.4)
98.	Secondary cells and batteries for solar photovoltaic application-general requirements and method for tests	Water consumption of flooded battery types and cells with partial gas recombination	IS 16270:2014 (Cl. 8.4.5) & (Cl. 8.4.6)
99.	Secondary cells and batteries for solar photovoltaic application-general	Water loss test	IS 16270:2014 (Cl. 8.6)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	requirements and method for tests		
100.	Secondary lithium-ion cells for the propulsion of electric road vehicles	Crush	Cl. 6.2.3 IS 16893 (Part 3):2018/ IEC 62660-3:2022
101.	Secondary lithium-ion cells for the propulsion of electric road vehicles	Electrical measurement	Cl. 5 IS 16893 (Part 3): 2018/ IEC 62660-3:2022
102.	Secondary lithium-ion cells for the propulsion of electric road vehicles	External short circuit	Cl. 6.4.1 IS 16893 (Part 3):2018/ IEC 62660-3:2022
103.	Secondary lithium-ion cells for the propulsion of electric road vehicles	Forced discharge	Cl. 6.4.3 IS 16893 (Part 3):2018/ IEC 62660-3:2022
104.	Secondary lithium-ion cells for the propulsion of electric road vehicles	General	Cl. 6.1 IS 16893 (Part 3):2018/ IEC 62660-3:2022
105.	Secondary lithium-ion cells for the propulsion of electric road vehicles	High temperature endurance	Cl. 6.3.1 IS 16893 (Part 3):2018/ IEC 62660-3:2022
106.	Secondary lithium-ion cells for the propulsion of electric road vehicles	Internal short circuit	Cl. 6.4.4 IS 16893 (Part 3):2018/ IEC 62660-3:2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
107.	Secondary lithium-ion cells for the propulsion of electric road vehicles	Mechanical shock	Cl. 6.2.2 IS 16893 (Part 3):2018/ IEC 62660-3:2022
108.	Secondary lithium-ion cells for the propulsion of electric road vehicles	Overcharge	Cl. 6.4.2 IS 16893 (Part 3):2018/ IEC 62660-3:2022
109.	Secondary lithium-ion cells for the propulsion of electric road vehicles	Temperature cycling	Cl. 6.3.2 IS 16893 (Part 3):2018/ IEC 62660-3:2022
110.	Secondary lithium-ion cells for the propulsion of electric road vehicles	Test Conditions	Cl. 6.3.2 IS 16893 (Part 3):2018/ IEC 62660-3:2022
111.	Secondary lithium-ion cells for the propulsion of electric road vehicles	Vibration	Cl. 4 IS 16893 (Part 3):2018/ IEC 62660-3:2022
112.	Secondary lithium-ion cells for the propulsion of electric road vehicles (Reliability and abuse testing)	Crush	Cl. 6.1.3 IS 16893 (Part 2):2018/ IEC 62660-2:2018
113.	Secondary lithium-ion cells for the propulsion of electric road vehicles (Reliability and abuse testing)	Electrical measurement	Cl 5 IS 16893 (Part 2):2018/ IEC 62660-2:2018
114.	Secondary lithium-ion cells for the propulsion of electric road	External short circuit test	Cl. 6.3.1 IS 16893 (Part 2):2018/ IEC 62660-2:2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
	vehicles (Reliability and abuse testing)		
115.	Secondary lithium-ion cells for the propulsion of electric road vehicles (Reliability and abuse testing)	Forced discharge	Cl. 6.3.3 IS 16893 (Part 2):2018/ IEC 62660-2:2018
116.	Secondary lithium-ion cells for the propulsion of electric road vehicles (Reliability and abuse testing)	High temperature endurance test	Cl. 6.2.1 IS 16893 (Part 2):2018/ IEC 62660-2:2018
117.	Secondary lithium-ion cells for the propulsion of electric road vehicles (Reliability and abuse testing)	Mechanical shock	Cl. 6.1.2 IS 16893 (Part 2):2018/ IEC 62660-2:2018
118.	Secondary lithium-ion cells for the propulsion of electric road vehicles (Reliability and abuse testing)	Overcharge	Cl. 6.3.2 IS 16893 (Part 2):2018/ IEC 62660-2:2018
119.	Secondary lithium-ion cells for the propulsion of electric road vehicles (Reliability and abuse testing)	Temperature cycling	Cl. 6.2.2 IS 16893 (Part 2):2018/ IEC 62660-2

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
120.	Secondary lithium-ion cells for the propulsion of electric road vehicles (Reliability and abuse testing)	Test conditions	Cl. 4 IS 16893 (Part 2):2018/ IEC 62660-2:2018
121.	Secondary lithium-ion cells for the propulsion of electric road vehicles (Reliability and abuse testing)	Vibration	Cl. 6.1.1 IS 16893 (Part 2):2018/ IEC 62660-2:2018
122.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Battery safety system	Cl. 8 IS 16805: 2018 / IEC 62619:2022
123.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Charging procedures for test purposes	Cl. 7.1 IS 16805: 2018 / IEC 62619: 2022
124.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Considerations for internal short circuit-Design Evaluation	Cl. 7.3 IS 16805: 2018 / IEC 62619: 2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
125.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	External short circuit test (cell Or cell block)	Cl. 7.2.1 IS 16805: 2018 / IEC 62619: 2022
126.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Forced discharge test (cell or Cell block)	Cl. 7.2.6 IS 16805: 2018 / IEC 62619: 2022
127.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	General safety considerations	Cl. 5 IS 16805: 2018 / IEC 62619:2022
128.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Impact test (cell or cell block)	Cl. 7.2.2 IS 16805: 2018 / IEC 62619:2022
129.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Information for safety	Cl. 9 IS 16805: 2018 / IEC 62619:2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
130.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Marking and designation	Cl. 10 IS 16805: 2018 / IEC 62619: 2022
131.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Over charge test (cell or cell Block)	Cl. 7.2.5 IS 16805: 2018 / IEC 62619: 2022
132.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Parameter measurement Tolerances	Cl. 4 IS 16805: 2018 / IEC 62619:2022
133.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Thermal abuse test (cell or cell Block)	Cl. 7.2.4 IS 16805: 2018 / IEC 62619: 2022
134.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (for lithium cells and batteries for use in industrial applications)	Type test conditions	Cl. 6 IS 16805: 2018 / IEC 62619:2022

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
1.	Audio/video, information and communication technology equipment	Air comprising a safeguard (Glass fragmentation Test)	Clause 4.4.3.9 of IEC 62368-1: 2023
2.		Alternative method for determining clearances for Insulation in circuits connection to an AC main not exceeding 420 V peak (300 V RMS)	Annex X of IEC62368- 1: 20230
3.		Antenna terminal insulation	Clause5.4.5 of IEC62368-1: 2023
4.		Back feed safeguard in battery backed up supplies	Clause 5.8 IEC62368- 1: 2023
5.		Capacitor discharge after disconnection of a connector	Clause 5.5.2.2 IEC62368-1: 2023
6.		Capacitors and RC units (General requirement)	Clause 5.5.1,5.5.2.1 of IEC 62368-1: 2023
7.		Circuits intended for interconnection with building wiring (Limited Power source)	Annex Q IEC62368-1: 2023
8.		Clearances	Clause 5.4.2 IEC62368-1: 2023
9.		Connectors (Only Visual inspection)	Annex G.4 IEC62368- 1: 2023
10.		Cord anchorages and strain relief for non- detachable power supply cords	Annex G.7.3 IEC62368- 1: 2023

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
11.		Cord entry	Annex G.7.4 IEC62368- 1: 2023
12.		Creepage distance	Clause 5.4.3 IEC62368- 1: 2023
13.		Criteria for telephone ring signals	In Annex H IEC62368-1: 2023
14.		Cross-sectional area	Annex G.7.2 IEC62368-1: 2023
15.		Determination of accessible parts	Annex V IEC62368-1: 2023
16.		Determination of working voltage	Clause 5.4.1.8 IEC62368-1: 2023
17.		Disconnect Device (Verification by Its report/data)	Clause 4.10.1 of IEC 62368-1: 2023
18.		Disconnect device (Verification by Its report/data)	Annex L of IEC 62368-1: 2023
19.		Displacement of a safeguard by an insulating liquid ((Safety interlocks (Verification by its report/data)	Clause 4.4.4 of IEC 62368-1: 2023
20.		Drop tests	Clause 4.4.3.3 of IEC 62368-1: 2023
21.		Electrical energy source classifications (Capacitance limits)	Clause 5.1 to 5.2 IEC 62368-1: 2023
22.		Electrically-caused fire (Glow wire) Electrically-caused fire	Clause 6 IEC 62368-1: 2023

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
		(Power source circuit classifications)	
23.		Electric strength test	Clause 5.4.9 IEC 62368-1: 2023
24.		Electrochemical potentials	Annex N IEC 62368-1: 2023
25.		Equipment containing batteries and their protection circuits (Verification by its report/data)	Annex M.2 of IEC 62368-1: 2023
26.		Equipment containing coin or button cell batteries	Clause 4.8 of IEC 62368-1: 2023
27.		Equipment for direct insertion into mains socket- outlets	Clause 4.7 of IEC 62368-1: 2023
28.		Equipment markings, instructions, and instruction safeguards	Annex F.1 to F.3.8, F.4 to F.5 IEC62368-1: 2023
29.		Fixing of conductors n and conductive parts (Clearance & Creepage, Steady Force Test 10N)	Clause 4.6 of IEC 62368-1: 2023
30.		Gaskets (Conditioning & physical strength test)	Annex Y.4 IEC 62368- 1: 2023
31.	Audio/video,	General	Annex B.1 to B.2.4 IEC 62368-1: 2023
32.		General requirements	Clause 4.1 to 4.4.3.1 of IEC 62368-1: 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
33.	Information and communication technology equipment	General (Main supply or (Verification by its report/ data)	Annex G.7.1 IEC 62368-1: 2023
34.		Glass fixation test	Clause 4.4.3.7 of IEC 62368-1: 2023
35.	Audio/video, Information and communication technology equipment	Glass Impact tests	Clause 4.4.3.6 of IEC 62368-1: 2023
36.		Humidity conditioning	Clause 5.4.8 IEC 62368-1: 2023
37.		IC that includes a n capacitor discharge function (ICX) (Verification by its report /data)	Annex G.16 IEC 62368-1: 2023
38.		Impact tests	Clause 4.4.3.4 of IEC 62368-1: 2023
39.		Injury caused by hazardous substances	Clause 7.1 to 7.5 IEC 62368-1: 2023
40.		Input test, abnormal operating condition tests and single fault condition tests	Annex B.2.5, Annex B.3, Annex B.4 IEC 62368- 1: 2023
41.		Insulated winding wires for use without interleaved insulation	Annex J IEC 62368-1: 2023
42.		Insulating liquid (Electric strength)	Clause 5.4.12.1 to 5.4.12.3, IEC 62368-1: 2023
43.		Insulating surfaces	Clause 5.4.1.9 IEC 62368-1: 2023
44.		Insulation between the mains and an external circuit consisting of a coaxial cable	Clause 5.5.8 IEC 62368-1: 2023

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
		(Voltage surge test, Impulse test)	
45.		Insulation in transformers with varying dimensions, Insulation in circuits generating starting pulses	Clause 5.4.1.6 to 5.4.1.7 IEC 62368-1: 2023
46.		Insulation of internal n wire as a part of a supplementary safeguard insulation of internal wire as a part of a supplementary safeguard	Clause 5.4.6 of IEC 62368-1: 2023
47.		IC that includes a n capacitor discharge function (ICX) (Verification by its report/data)	Annex G.16 IEC 62368-1: 2023
48.		Impact tests	Clause 4.4.3.4 of IEC 62368-1: 2023
49.		Injury caused by hazardous substances	Clause 7.1 to 7.5 IEC 62368-1: 2023
50.		Input test, abnormal operating condition tests and single fault condition tests	Annex B.2.5, Annex B.3, Annex B.4 IEC 62368- 1: 2023
51.	Audio/video,	Integrated circuit (IC) current limiters (Verification by its report/data)	Annex G.9 IEC 62368- 1: 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
52.	Information and communication technology equipment	Internal accessible safeguard tests	Clause 4.4.3.5 IEC 62368-1: 2023
53.		Likelihood of fire or shock due to entry of conductive objects	Clause 4.9 of IEC 62368-1: 2023
54.		Maximum operating temperatures for materials, components and systems	Clause 5.4.1.4 IEC 62368-1: 2023
55.		Measurement of creepage distances and clearances	Annex O IEC 62368-1: 2023
56.		Mechanical strength of enclosure	Annex Y.6 IEC 62368-1: 2023
57.		Mechanical strength tests (steady Force test, Enclosure impact test, Drop test, Stress relief test, Glass impact test, glass fragmentation test, test for telescopic or rod antenna)	Annex T.1 to T.11 IEC 62368-1: 2023
58.		Mechanically-caused injury (Mechanical energy source classifications)	Clause 8.1 to 8.12 IEC 62368-1: 2023
59.		Motor (Motor overload)	Annex G.5.4 IEC 62368-1: 2023
60.		Non-detachable cord bend protection	Annex G.7.5 IEC 62368-1: 2023

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	IT Equipment		
61.		Optocouplers (Verification- by its report /data)	Annex G.12 IEC 62368-1: 2023
62.		Optocouplers (Verification by its report /data)	Clause 5.5.4 IEC 62368-1: 2023
63.		Overvoltage categories	Annex I IEC 62368-1: 2023
64.		Pollution degrees	Clause 5.4.1.5 IEC62368-1: 2023
65.		Printed boards, Coatings on Component terminals (Ab resistance test)	Annex G.13, G.14 IEC 62368-1: 2023
66.		Properties of insulating material (humidity treatment)	Clause 5.4.1.1 to 5.4.1.3 IEC 62368-1: 2023
67.		Prospective touch voltage, touch current and protective conductor current	Clause 5.7 IEC 62368- 1: 2023
68.	Audio/video, information and communication technology equipment	Protection against electrical energy sources	Clause 5.3 IEC 62368- 1: 2023
69.		Protection of equipment within an outdoor enclosure (Water spray test)	Annex Y.5 of IEC 62368-1: 2023
70.		Protective devices (Verification by its report /data)	Annex G.3 IEC 62368- 1: 2023
71.		Protector conductor (Resistance of protective earthing conductor)	Clause 5.6 IEC 62368- 1: 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
72.		Radiation energy source classifications	Clause 10.1 to 10.6 IEC 62368-1: 2023
73.		Relays (Verification by its report/data)	Annex +G.2 IEC 62368- 1: 2023
74.		Relays (Verification by its report/data)	Clause 5.5.5 IEC 62368-1: 2023
75.		Requirements (Input test, normal operating condition, Simulated abnormal operating conditions)	Clause 4.5.1 to 4.5.2 of IEC 62368-1: 2023
76.		Resistance to UV radiation (Verification by its report /data)	Annex Y.1 toY.2 IEC 62368-1: 2023
77.		Resistance to corrosion	Annex Y.3 IEC62368- 1: 2023
78.		Resistor, Capacitors and RC Units (Verification by its report/data)	Annex G.10 to G.11 p IEC 62368-1: 2023
79.		Resistors (Verification by report/data)	Clause 5.5.6 IEC 62368-1: 2023
80.		Safeguard against transient voltage from external circuits (Electric strength, Impulse Test)	Clause 5.4.10 IEC 62368-1: 2023
81.		Safeguards against conductive objects	Annex P.1 to P.4 IEC 62368-1: 2023

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
82.		Safeguards for socket- outlets in outdoor equipment	Clause 5.5.9 IEC 62368-1: 2023
83.		Safety interlocks	Clause 4.4.5 of IEC 62368-1: 2023
84.		Safety interlocks (Verification by its report /data)	Annex K IEC 62368-1: 2023
85.		Separation between external circuits and earth (Electric Strength)	Clause 5.4.11 IEC 62368-1: 2023
86.		Solid insulation	Clause 5.4.4 IEC 62368-1: 2023
87.		SPDs (Verification by its report/data)	Clause 5.5.7 IEC 62368-1: 2023
88.	Audio/video, information and communication technology equipment	Steady force tests	Clause 4.4.3.2 of IEC 62368-1: 2023
89.		Supply wiring space	Annex G.7.6 IEC 62368-1: 2023
90.		Switch and relays (Verification by its report /data)	Clause 4.10.2 IEC 62368-1: 2023
91.		Switch (Verification by its report/data)	Annex G.1 IEC 62368-1: 2023
92.		Switches and relays (Verification by its report/data)	Clause 4.10.2 of IEC 62368-1: 2023
93.		Test conditions for equipment containing audio amplifiers	Annex E IEC 62368-1: 2023
94.		Test for the permanent of markings	Annex F.3.9, F.3.10 IEC 62368-1: 2023

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
95.		Tests for resistance to heat and fire	Annex S IEC 62368-1: 2023
96.		Tests for semiconductor components and for cemented joints	Clause 5.4.7 IEC 62368-1: 2023
97.		Thermal energy source classifications	Clause 9.1 to 9.6 IEC 62368-1: 2023
98.		Thermoplastic material tests	Clause 4.4.3.8 of IEC 62368-1: 2023
99.		Thermoplastic parts on which conductive metallic parts are directly mounted (Vicat Test, Bal pressure test)	Clause 5.4.1.10 IEC 62368-1: 2023
100.		Thermoplastic material test	Clause 4.4.3.8 IEC 62368-1: 2023
101.		Transformers (Transformer overload)	Clause 5.5.3 IEC 62368-1: 2023
102.		Varistor (Verification by its report/data)	Annex G.8 IEC 62368-1: 2023
103.		Wire insulation	Annex G.6 IEC 62368-1: 2023
104.		Wound components (Transformer Overload Test)	Annex G.5.1 to G.5.3 IEC 62368-1: 2023
105.	Information technology equipment	Abnormal Operating and Fault Condition	Cl. 5.3 of IS 13252 (Part 1): 2010

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
106.		Clearances, Creepage and distance through insulation.	Cl. 2.10 of IS 13252 (Part 1): 2010
107.		Connection to Cable Distribution System	Cl. 7.0 of IS 13252 (Part 1): 2010
108.		Connection to telecommunication networks.	Cl. 6.0 of IS 13252 (Part 1): 2010
109.		Electric Strength	Cl. 5.2 of IS 13252 (Part 1): 2010
110.		Electrical Insulation	Cl. 2.9 of IS 13252 (Part 1): 2010
111.		Electrical requirements & simulated abnormal conditions, Touch current and protective conductor current	Cl. 5.1 of IS 13252 (Part 1): 2010
112.		Limited Current Circuits.	Cl. 2.4 of IS 13252 (Part 1): 2010
113.		Limited Power Sources.	Cl. 2.5 of IS 13252 (Part 1): 2010
114.		Mechanical Strength.	Cl. 4.2 of IS 13252 (Part 1): 2010
115.		Opening in enclosure.	Cl. 4.6 of IS 13252 (Part 1): 2010
116.		Over-current and earth fault protection in primary circuits.	Cl. 2.7 of IS 13252 (Part 1): 2010
117.		Physical requirements Stability.	Cl. 4.1 of IS 13252 (Part 1): 2010
118.		Power Interface.	Cl. 1.6 of IS 13252 (Part 1): 2010

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
119.		Protection against hazardous moving parts.	Cl. 4.4 of IS 13252 (Part 1): 2010
120.		Protection from Hazards.	Cl. 2.1 of IS 13252 (Part 1). : 2010
121.		Provision for Earthing & Bonding.	Cl. 2.6 of IS 13252 (Part 1). : 2010
122.		Resistance to fire.	Cl. 4.7 of IS 13252 (Part 1). : 2010
123.		Safety Interlocks.	Cl. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252 (Part 1). :2010
124.		SELV Circuits.	Cl. 2.2 of IS 13252 (Part 1). : 2010
125.		Thermal Requirement.	Cl. 4.5 of IS 13252 (Part 1). : 2010
126.		TNV Circuits.	Cl. 2.3 of IS 13252 (Part 1). : 2010
127.		Verification of Components.	Cl. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252 (Part 1). : 2010
128.		Verification of Design and Construction.	Cl. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252 (Part 1). : 2010
129.		Verification of Marking & Instruction.	Cl. 1.7 of IS 13252 (Part 1): 2010
130.		Wiring, Connections and Supply.	Cl. 3.0,3.1,3.2,3.3,3.4,3.5 of IS 13252 (Part 1): 2010
131.	Uninterruptible power systems (ups)/inverters	Abnormal operating and fault conditions	IS16242(Part1) (Clause 8.3): 2014

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
132.		AC and DC power isolation	IS16242(Part1) (Clause 5.4): 2014
133.		Battery location	IS16242 (Part1) (Clause 7.6): 2014
134.		Clearances, creepage distances and distances through insulation	IS16242(Part1) (Clause5.7/ RD (Clause 2.10.1, Clause 2.10.2, Clause2.10.3, Clause 2.10.4, Clause2.10.5.1 Clause 2.10.5.2, Clause 2.10.5.3, Clause2.10.5.5toClause 2.10.12): 2014
135.		Clearances, creepage distances and distances through insulation	IS16242(Part1) (Clause5.7/ RD (Clause 2.10.1, Clause 2.10.2, Clause2.10.3, Clause 2.10.4, Clause2.10.5.1, Clause 2.10.5.2, Clause 2.10.5.3,Clause 2.10.5.5 to Clause 2.10.12): 2014
136.		Clearances, creepage distances and distances through insulation	IS16242 (Part 1) (Clause 5.7/RD (Clause 2.10.5.11, Clause 2.10.6): 2014
137.		Clearances, creepage distances and distances through insulation	IS16242 (Part 1) (Clause 5.7/RD (Clause 2.10.5.11, Clause 2.10.6): 2014
138.		Components (Verification by Its report/data)	IS16242(Part1) (Clause 4.5): 2014
139.		Connection to telecommunication networks	IS16242(Part1) (Clause 9): 2014
140.		Electric strength	IS16242(Part1) (Clause 8.2): 2014
141.		Enclosure	IS16242(Part1) (Clause 7.1): 2014

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
142.		General provisions for earth leakage	IS16242(Part1) (Clause 8.1): 2014
143.		Markings and Instruction	IS16242(Part1) (Clause 4.7): 2014
144.		Mechanical strength	IS16242 (Part1) (Clause 7.3 RD/(Clause4.2.1to Clause 4.2.7, Clause 4.2.9, Clause 4.2.10): 2014
145.		Overcurrent and earth fault protection	IS16242(Part1) (Clause 5.5): 2014
146.		Power interface	IS16242(Part1) (Clause 4.6): 2014
147.		Protection against electric shock and energy hazards	IS16242(Part1) (Clause 5.1): 2014
148.		Protection of personnel-safety interlocks	IS16242(Part1) (Clause 5.6 /RD (Clause 2.8.1, Clause 2.8.2, Clause2.8.3, Clause 2.8.4, Clause 2.8.6, Clause 2.8.8)): 2014
149.		Protective earthing and bonding	IS16242(Part1) (Clause 5.3): 2014
150.		Requirements for auxiliary circuits	IS16242(Part1) (Clause 5.2): 2014
151.		Resistance to fire	IS16242(Part1) (Clause 7.5): 2014
152.		Stability	IS16242(Part1) (Clause 7.2): 2014
153.		Temperature rise	IS16242(Part1) (Clause 7.7): 2014

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
154.		Verification of Construction details	IS16242 (Part1) (Clause 7.4 RD/ (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5): 2014
155.		Wiring, connections and supply	IS16242 (Part1) (Clause 6 / RD (Clause3.1, Clause3. Clause 3.2.4, Clause 3.2.5.2, Clause3.2.6 to Clause3.5.4): 2014
156.		Marking and documentation	IEC 61010-1(Ed 3.1): 2010 +AMD1 : 2016 Clause No. 5
157.		Determination of Accessible parts	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.2
158.	"Safety test facility" electrical equipment for measurements control and laboratory use	Limit values for accessible parts	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.3
159.		Primary means of protection	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.4
160.		Additional means of protection in case of single fault conditions	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.5
161.		Connection to external circuit	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.6
162.		Insulation requirements (Clearance & creepage distances)	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.7
163.	"Safety test facility" electrical equipment for measurements control and laboratory use	Procedure for Voltage Test	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.8
164.		Constructional requirements for protection against electric	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.9

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
		shock	
165.		Connection to the mains supply source and connection between parts of equipment (Cord entry test)	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.10
166.		Disconnection of main supply	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 6.11
167.		Sharp edges	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 7.2
168.		Moving Parts	IEC 61010-1: 2010 +AMD1 : 2016 1): Clause No. 7.3
169.		Stability	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 7.4
170.		Provisions for lifting and carrying	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 7.5
171.		Wall mounting	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 7.6
172.		Expelled parts	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 7.7
173.	"Safety test facility" electrical equipment for measurements control and laboratory use	Enclosure rigidity tests	IEC 61010-1: 2010 +AMD1 : 2016): Clause No. 8.2
174.		Drop test	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 8.3

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
175.		Eliminating or reducing the source of ignition within the equipment	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 9.2
176.		Containment of fire within equipment	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 9.3
177.		Limited Energy Circuit	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 9.4
178.		Requirement for equipment containing or using Flammable liquids	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 9.5
179.		Over current protection	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 9.6
180.		Equipment temperature limits and resistance to heat	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 10
181.		Components and subassemblies	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 14
182.		Protection by interlocks	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 15
183.		Hazards resulting from application	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 16
184.		Risk assessment	IEC 61010-1: 2010 +AMD1 : 2016 Clause No. 17

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Energy Efficiency of Domestic Electronic Appliances		
1.	Laptop desktop Computer	Power consumption/ energy consumption	Cl. 4, Cl.5 & Cl. 7, Cl.8; BEE Schedule 14, IEC 62301
2.	Microwave Oven	Microwave power input	clause 8 of IEC 60705, BEE Schedule 22
3.		Efficiency	Clause 9 of IEC 60705; BEE Schedule 22
4.		Energy consumption for the microwave function	Clause 14 of IEC 60705, BEE Schedule 22
5.		Standby power consumption	Clause 15 of IEC 60705 + Clause 5.3 of IEC 62301, BEE Schedule 22
6.	Office equipment (printers, scanners, copiers, fax machines and multi-function devices)	Pull down test (and operating temperature performance test as applicable)	BEE Schedule – 16 IEC 62301
7.		Rated volume/ on mode/off mode/standby mode/sleep mode	BEE Schedule – 16 IEC 62301
8.	LED display /TV	Determination of peak luminance ratio and power factor	Cl. 6.5 of IEC 62087-3: 2015 Schedule 11
9.	LED display /TV	Measurement of standby power	Cl.5 of IEC 62301: 2011 Schedule 11
10.	LED display /TV	Peak luminance ratio	IEC 62087-3, BEE Schedule 11 : 2015
11.	LED display /TV	Picture level	A.5 of IEC 62087-3: 2015 Schedule 11

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Energy Efficiency of Domestic Electronic Appliances		
12.	LED display /TV	Total harmonic distortion	Clause 5.1.1.6 of IEC 62087-1/3: 2015
13.	LED display /TV	On mode power consumption	IEC 62087-3, BEE: 2015 Schedule 11/26
14.	LCD Display / LED TV / Ultra - High-Definition Television	Determination of power consumption, of mode	Cl. 6.7 of IEC 62087-3: 2015 Schedule 26
15.	LCD Display / LED TV / Ultra - High-Definition Television	Determination of power consumption, on mode	Cl. 6.4 of IEC 62087-3: 2015 Schedule 26
16.	LCD Display / LED TV / Ultra - High-Definition Television	Determination of power consumption, partial on mode	Cl. 6.6 of IEC 62087- 3: 2015 Schedule 26
17.	LCD Display / LED TV / Ultra - High-Definition Television	On(average) mode testing using dynamic broadcast-content video signal	IEC 62087 (3 rd Edition) (Cl.11): 2011 : 2015 Schedule 26
18.	LCD Display / LED TV / Ultra - High-Definition Television	Standby mode power consumption (measurement of power consumption in the off mode, standby passive mode, standby active low mode, standby active high mode)	IEC 62087-3,BEE Schedule 26 : 2015 : 2015 Schedule 26
19.	LCD Display / LED TV / Ultra - High-Definition Television	Standby mode power consumption (measurement of power consumption in the off mode, standby passive mode,	IEC 62087-3, BEE Schedule 26: 2015 : 2015 Schedule 26

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Energy Efficiency of Domestic Electronic Appliances		
		standby active low mode, standby active high mode)	



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	EMC Test Facility		
1.	5.8 GHz fixed broadband data transmitting systems	Designation of centre frequencies and frequency error (conductive only)	Clause no. :4.2.1& 5.4.2, ETSI EN 302 502: 2017
2.	5.8 GHz fixed broadband data transmitting systems	EIRP spectral density	Clause no. :4.2.2 & 5.4.3, ETSI EN 302 502: 2017
3.	5.8 GHz fixed broadband data transmitting systems	EIRP (conductive only)	Clause no. :4.2.2 & 5.4.3, ETSI EN 302 502: 2017
4.	5.8 GHz fixed broadband data transmitting systems	Receiver blocking	Clause no. :4.2.7 & 5.4.7, ETSI EN 302 502: 2017
5.	5.8 GHz fixed broadband data transmitting systems	Receiver spurious emissions (conductive only)	Clause no. :4.2.5 & 5.4.5, ETSI EN 302 502: 2017
6.	5.8 GHz fixed broadband data transmitting systems	Transmitter power control (conductive only)	Clause no. :4.2.4 & 5.4.3, ETSI EN 302 502: 2017
7.	5.8 GHz fixed broadband data transmitting systems	Transmitter rf output power (conductive only)	Clause no. :4.2.2 & 5.4.3, ETSI EN 302 502: 2017
8.	5.8 GHz fixed broadband data transmitting systems	Transmitter unwanted emissions (conductive only)	Clause no. :4.2.3 & 5.4.4, ETSI EN 302 502: 2017
9.	5.8 GHz fixed broadband data transmitting systems	Transmitter unwanted emissions (conductive only)	Clause no. :4.2.3 & 5.4.4, ETSI EN 302 502: 2017
10.	5GHzLAN/WLAN PTP/PMP	Carrier frequencies (conductive only)	Clause No.: 4.2.1 & 5.4.2, ETSI EN 30 1 893: 2017
11.	5GHzLAN/WLAN PTP/PMP	Nominal, and occupied channel bandwidth (conductive only)	Clause No.: 4.2.2 & 5.4.3, ETSI EN 30 1 893: 2017

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	EMC Test Facility		
12.	5GHzLAN/WLAN PTP/PMP	Receiver blocking (conductive only)	Clause No.: 4.2.8 & 5.4.10, ETSI EN 30 1 893: 2017
13.	5GHzLAN/WLAN PTP/PMP	Receiver spurious emissions (Conductive Only)	Clause No.: 4.2.5 & 5.4.7, ETSI EN 30 1 893: 2017
14.	5GHzLAN/WLAN PTP/PMP	RF output power, Transmit Power Control (TPC), Power Density (Conductive only)	Clause No.: 4.2.3 & 5.4.4, ETSI EN 30 1 893: 2017
15.	5GHzLAN/WLAN PTP/PMP	Transmitter unwanted emissions outside the 5 GHz RLAN bands (Conductive Only)	Clause No.: 4.2.4.1 & 5.4.5, ETSI EN 30 1 893: 2017
16.	5GHzLAN/WLAN PTP/PMP	Transmitter unwanted emissions within the 5 GHz RLAN bands (Conductive Only)	Clause No.: 4.2.4.2 & 5.4.6, ETSI EN 30 1 893: 2017
17.	Data transmission equipment operating in the 2,4 GHz ISM band	Accumulated Transmit Time, Frequency occupation (Conductive Only)	Clause No.: 4.3.1.4 & 5.4.4, ETSI EN 300 328: 2019
18.	Data transmission equipment operating in the 2,4 GHz ISM band	Duty Cycle, Tx sequence, Txgap (Conductive Only)	Clause No.: 4.3.1.3, 4.3.2.4 & 5.4.2, ETSI EN 300 328: 2019
19.	Data transmission equipment operating in the 2,4 GHz ISM band	Hopping Frequency Separation (Conductive Only)	Clause No.: 4.3.1.5 & 5.4.5, ETSI EN 300 328: 2019

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	EMC Test Facility		
20.	Data transmission equipment operating in the 2,4 GHz ISM band	Hopping sequence (Conductive Only)	Clause No.: 4.3.1.4 & 5.4.4, ETSI EN 300 328: 2019
21.	Data transmission equipment operating in the 2,4 GHz ISM band	Medium utilization (Conductive Only)	Clause No.: 4.3.1.6 ,4.3.2.5 &5.4.2, ETSI EN 300 328: 2019
22.	Data transmission equipment operating in the 2,4 GHz ISM band	Occupied Channel bandwidth (Conductive Only)	Clause No.: 4.3.1.8, 4.3.2.7 &5.4.7, ETSI EN 300 328: 2019
23.	Data transmission equipment operating in the 2,4 GHz ISM band	Power spectral Density (Conductive only)	Clause No.: 4.3.2.3 & 5.4.3, ETSI EN 300 328: 2019
24.	Data transmission equipment operating in the 2,4 GHz ISM band	Receiver blocking (Conductive Only)	Clause No.: 4.3.1.12, 4.3.2.11 & 5.4.11, ETSI EN 300 328: 2019
25.	Data transmission equipment operating in the 2,4 GHz ISM band	Receiver spurious Emission (Conductive Only)	Clause No.: 4.3.1.11, 4.3.2.10 & 5.4.10, ETSI EN 300 328: 2019
26.	Data transmission equipment operating in the 2,4 GHz ISM band	RF Output Power (Conductive only)	Clause No.: 4.3.1.2, 4.3.2.2 &5.4.2, ETSI EN 300 328: 2019
27.	Data transmission equipment operating in the 2,4 GHz ISM band	Transmitter unwanted Emission in OOB Domain (Conductive Only)	Clause No.: 4.3.1.9, 4.3.2.8 &5.4.8, ETSI EN 300 328: 2019

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	EMC Test Facility		
28.	Data transmission equipment operating in the 2,4 GHz ISM band	Transmitter unwanted emissions in the spurious domain (Conductive Only)	Clause No.: 4.3.1.10, 4.3.2.9 & 5.4.9, ETSI EN 300 328: 2019
29.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Adaptive Power Control (Conductive Only)	Clause 5.13, ETSI EN 300 220-1: 2017
30.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Adjacent Channel Power (Conductive Only)	Clause 5.11, ETSI EN 300 220-1: 2017
31.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Behavior at high wanted signal level (Conductive Only)	Clause 5.19, ETSI EN 300 220-1: 2017
32.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Blocking (Conductive Only)	Clause 5.18, ETSI EN 300 220-1: 2017
33.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Duty Cycle (Conductive Only)	Clause 5.4, ETSI EN 300 220-1: 2017
34.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Effective Radiated Power Maximum e.r.p spectral density (Conductive Only)	Clause 5.2 & 5.3, ETSI EN 300 220-1: 2017

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	EMC Test Facility		
35.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Frequency error (Conductive Only)	Clause 5.7, ETSI EN 300 220-1: 2017
36.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Occupied Bandwidth (Conductive Only)	Clause 5.6, ETSI EN 300 220-1: 2017
37.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Operating frequency (Conductive Only)	Clause 5.1, ETSI EN 300 220-1: 2017
38.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Transient Power (Conductive only)	Clause 5.10, ETSI EN 300 220-1: 2017
39.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	TX behaviour under Low Voltage Conditions (Conductive Only)	Clause 5.12, ETSI EN 300 220-1: 2017
40.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Tx Out of band emission (Conductive Only)	Clause 5.8, ETSI EN 300 220-1: 2017
41.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Unwanted emission in spurious domain (Conductive Only)	Clause 5.9, ETSI EN 300 220-1: 2017

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	EMC Test Facility		
42.	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz	Unwanted emissions for a TX mode (Conductive Only)	Clause 5.9.1.1, ETSI EN 300 220-1: 2017



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
1.	Electrical, electronic & Electromechanical products	Bump	Test Number 5, JSS:55555: 2012
2.	Electrical, electronic & Electromechanical products	Bump test	Test No.13 QM 333: 2010
3.	Electrical, electronic & Electromechanical products	Bump test	Clause 12.2.12 of IEC 60571: 2012
4.	Electrical, electronic & Electromechanical products	Cold start test	Clause 12.2.4 of IEC 60571: 2012
5.	Electrical, electronic & Electromechanical products	Cold test	IS/IEC 60068: Part 2: Sec 1 : 2007
6.	Electrical, electronic & Electromechanical products	Cold test	IS 9000(Part 2/Sec 1 to 4) : 1977 RA: 2019
7.	Electrical, electronic & Electromechanical products	Cold test	IEC 60068-2-1: 2007
8.	Electrical, electronic & Electromechanical products	Low Temperature storage test	Clause 12.2.15 of IEC 60571: 2012
9.	Electrical, electronic & Electromechanical products	Low temperature (cold cycle)	Test No.1QM 333: 2012
10.	Electrical, electronic & Electromechanical products	Composite temperature humidity cyclic test	IS/IEC 60068: Part 2: Sec 38: 2021
11.	Electrical, Electronic & Electromechanical Products	Composite temperature/ humidity cyclic test	IS 9000(Part 6):1978, RA: 2019

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
12.	Electrical, electronic & Electromechanical products	Damp heat cyclic test	IS 9000(Part 5/Sec 1 AND 2) : 1981, RA: 2019
13.	Electrical, electronic & Electromechanical products	Damp heat cyclic test	IEC 60068-2-30:2005
14.	Electrical, electronic & Electromechanical products	Tropical exposure (damp heat cyclic)	Test No.3QM 333: 2010
15.	Electrical, electronic & Electromechanical products	Damp heat (steady State)	Test No.5 QM 333: 2010
16.	Electrical, electronic & Electromechanical products	Damp Heat (steady state) Test	IEC 60068-2-78: 2012
17.	Electrical, electronic & Electromechanical products	Damp Heat (steady state) Test	IS 9000(Part 4) : 42020
18.	Electrical, electronic & Electromechanical products	Rain test	Test No.14QM 333: 2010
19.	Electrical, electronic & Electromechanical products	Drop test	Test Number 13, JSS:55555: 2012
20.	Electrical, electronic & Electromechanical products	Drop test	Test No.10QM 333: 2010
21.	Electrical, electronic & Electromechanical products	Fall test	Test No.12QM 333: 2010
22.	Electrical, electronic & Electromechanical products	Topple test	Test No.11 QM 333: 2010

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
23.	Electrical, electronic & Electromechanical products	Dry heat test	IS 9000(Part 3/Sec 1 to 5):1977 RA: 2019
24.	Electrical, electronic & Electromechanical products	Dry heat test	Clause 12.2.5 of IEC 60571: 2012
25.	Electrical, electronic & Electromechanical products	Dry heat test	IEC 60068-2-2: 2007
26.	Electrical, electronic & Electromechanical products	High temperature (Dry Heat cycle)	Test No.2QM 333: 2010
27.	Electrical, electronic & Electromechanical products	Impact test (shock, Bump, drop and topple free fall)	IS 9000(Part 7/Sec 1 to 5) :1979 RA: 2016
28.	Electrical, electronic & Electromechanical products	Impact/shock test	Test number 24, JSS 55555: 2012
29.	Electrical, electronic & Electromechanical products	Shock test	IEC 60068-2-27: 2008
30.	Electrical, electronic & Electromechanical products	Low air pressure test	IS 9000(Part 13):1981, RA: 2019
31.	Electrical, electronic & Electromechanical products	Shock test	IEC 61373: 2010
32.	Electrical, electronic & Electromechanical products	Ball pressure test (resistance to heat test)	IEC 60695-10-2: 2014
33.	Electrical, electronic & Electromechanical products	Burn in test on PCB controller card for 45 hours	RDSO specification ELRS/SPEC/S1/0015: 2016

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
34.	Electrical, electronic & Electromechanical products	Cold and dry heat tests	IS/IEC 60068 : Part 3 :Sec 1 : 2011
35.	Electrical, electronic & Electromechanical products	Corrosion (salt/salt fog)	Test Number 9, JSS:55555: 2012
36.	Electrical, electronic & Electromechanical products	Corrosion-salt	Test No.9QM333: 2010
37.	Electrical, electronic & Electromechanical products	Damp heat	Test Number 10, JSS:55555: 2012
38.	Electrical, electronic & Electromechanical products	Damp heat	IS/IEC 60068: Part 3: Sec 4 : 1981
39.	Electrical, electronic & Electromechanical products	Damp heat tests	IS/IEC 60068: Part 3: Sec 4 : 1981
40.	Electrical, electronic & Electromechanical products	Drip proof	Test Number 11, JSS:55555: 2012
41.	Electrical, electronic & Electromechanical products	Dust test	Clause 12.2.14 of IEC 60571: 2012
42.	Electrical, electronic & Electromechanical products	Equipment stress screening	Clause 12.2.14 of IEC 60571: 2012
43.	Electrical, electronic & Electromechanical products	Glow wire test	IEC 60695-2-10: 2021
44.	Electrical, electronic & Electromechanical products	Glow wire test	IEC 60695-2-13: 2021

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
45.	Electrical, electronic & Electromechanical products	Glow wire test	IS 11000-2-1:2018 RA: 2021
46.	Electrical, electronic & Electromechanical products	High altitude test	Test No.7QM333: 2010
47.	Electrical, electronic & Electromechanical products	High temperature	Test Number 17, JSS:55555: 2012
48.	Electrical, electronic & Electromechanical products	Hv test	Clause 8 (v) RDSO Specification: RDSO/PE/SPEC/TL/0091- 2016 (REV-1): 2016
49.	Electrical, electronic & Electromechanical products	Impact, drop test	IEC 60068-2-31: 2008
50.	Electrical, electronic & Electromechanical products	Insulation resistance test	Clause 8 (iv) RDSO Specification: RDSO/PE/SPEC/TL/0091- 2016 (REV-1) : 2016
51.	Electrical, electronic & Electromechanical products	Insulation test	Clause 12.2.10 of IEC 60571: 2012
52.	Electrical, electronic & Electromechanical products	Low temperature	Test Number 20, JSS:55555: 2012
53.	Electrical, electronic & Electromechanical products	Needle flame test	IS 11000-2-2: 2008RA: 2021
54.	Electrical, electronic & Electromechanical products	Needle-flame test	IEC 60695-11-5: 2016

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
55.	Electrical, electronic & Electromechanical products	Rapid temperature cycling test	Test No.4QM333: 2010
56.	Electrical, electronic & Electromechanical products	Resistance to humidity test	Clause 8 (iii) RDSO specification: RDSO/PE/SPEC/TL/0091- 2016 (REV-1) : 2016
57.	Electrical, electronic & Electromechanical products	Temperature rise test	Clause No. 8 (xi) RDSO/PE/ SPEC/ TL/ 0091- 2016 (REV-1): 2016
58.	Electrical, electronic & Electromechanical products	Thermal cycling test	IS 9000(Part-14/Sec1 to 3): 1988, RA: 2019
59.	Electrical, electronic & Electromechanical products	Water immersion test	Test No.8QM333: 2010
60.	Electrical, electronic & Electromechanical products	Water tightness test	Clause 12.2.13 of IEC 60571: 2012
61.	IT Products /Domestic/ Scientific/ Medical/ Automotive/ Telecom/ Consumer/ Household /Laboratory / Locomotive/ RF Products / Wireless Products/ Military Products/Vehicle/ Vehicle Mounted /Electrical/Electronic	Degree of protection provided by enclosures (IP code) (upto IP 68	IS/IEC 60529:2001 RA: 2019

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
62.	IT Products /Domestic/ Scientific/ Medical/ Automotive/ Telecom / Consumer / Household/ Laboratory / Locomotive/ RF Products / Wireless Products/ Military Products/ Vehicle/ Vehicle Mounted /Electrical/ Electronic	Degree of protection provided by enclosures for electrical equipment against external mechanical impact ik code/ ik01-10	IEC 62262: 2002
63.	Electrical, electronic & electromechanical products	Salt mist test	IS 9000(Part 11): 1983, RA: 2019
64.	Electrical, electronic & electromechanical products	Salt mist test	Clause 12.2.11 of IEC 60571: 2012
65.	Electrical, electronic & electromechanical products	Salt spray test	IEC 60068-2-11: 2021
66.	Electrical, electronic & electromechanical products	Dust test	Test Number 14, JSS:55555: 2012
67.	Electrical, electronic & electromechanical products	Dust test	Test No.15QM333: 2010
68.	Electrical, electronic & electromechanical products	Tropical exposure test	Test Number 27, JSS:55555: 2012
69.	Electrical, electronic & electromechanical products	Vibration (sinusoidal)	IS/IEC 60068: Part 2: Sec 6: 2007

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	Environmental Test Facility		
70.	Electrical, electronic & electromechanical products	Vibration test	Test Number 28, JSS:55555: 2012
71.	Electrical, electronic & electromechanical products	Vibration test	Test No.6QM333: 2010
72.	Electrical, electronic & electromechanical products	Vibration test	IEC 61373: 2010
73.	Electrical, electronic & electromechanical products	Vibration test (random)	IEC 60068-2-64 :2008 +AMD1: 2019
74.	Electrical, electronic & electromechanical products	Vibration test (sinusoidal)	IEC60068-2-6: 2007
75.	Electrical, electronic & electromechanical products	Vibration test (sinusoidal)	IS 9000 (Part 8): 1981 RA: 2021

