

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Mighty Testing Private Limited

K. No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, 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/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

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'.

Prof. Vikram Kumar
Chair, CIA



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Scope of Accreditation

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QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

*Scope Amended w.e.f.: 30 September 2026

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and Accessories		
1.	AC or DC Supplied Electronic Control Gear for LED Modules	Marking	Clause 7 of IS 15885(Part 2/Sec 13): 2012+A1:2015
2.		Protection against accidental Contact With live parts	Clause 8 of IS 15885(Part 2/Sec 13): 2012+A1:2015
3.		Terminals	Clause 9 of IS 15885(Part 2/Sec 13): 2012+A1:2015
4.		Provision for Protective Earthing	Clause 10 of IS 15885(Part 2/Sec 13): 2012+A1:2015
5.		Moisture Resistance and Insulation	Clause 11 of IS 15885(Part 2/Sec 13): 2012+A1:2015
6.		Electric Strength	Clause 12 of IS 15885(Part 2/Sec 13): 2012+A1:2015
7.		Thermal Endurance Test for Windings of Ballasts	Clause 13 of IS 15885(Part 2/Sec 13): 2012+A1:2015
8.		Fault Conditions	Clause 14 of IS 15885(Part 2/Sec 13): 2012+A1:2015
9.		Transformer Heating	Clause 15 of IS 15885(Part 2/Sec 13): 2012+A1:2015



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and Accessories		
10.	AC or DC Supplied Electronic Control Gear for LED Modules	Construction	Clause 16 of IS 15885(Part 2/Sec 13): 2012+A1:2015
11.		Creepage Distances and Clearances	Clause 17 of IS 15885(Part 2/Sec 13): 2012+A1:2015
12.		Screws, Current-carrying Parts and Connections	Clause 18 of IS 15885(Part 2/Sec 13): 2012+A1:2015
13.		Resistance to Heat, Fire and Tracking	Clause 19 of IS 15885(Part 2/Sec 13): 2012+A1:2015
14.		Resistance To Corrosion	Clause 20 of IS 15885(Part 2/Sec 13): 2012+A1:2015
15.		Marking	Clause 6 of IS 16104:2012
16.		Output Voltage and Current	Clause 7 of IS 16104:2012
17.		Total Circuit Power	Clause 8 of IS 16104:2012
18.		Circuit Power Factor	Clause 9 of IS 16104:2012
19.		Supply Current	Clause 10 of IS 16104:2012
20.		Operational Test for Abnormal condition	Clause 12 of IS 16104:2012
21.		Endurance	Clause 13 of IS 16104:2012



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and Accessories		
22.	LED Modules	Marking	Clause 6 of IS 16103 (Part 1):2025 / IEC 62031:2018
23.	LED Modules	Terminals	Clause 7 of IS 16103 (Part 1):2025 / IEC 62031:2018
24.	LED Modules	Provision For Earthing	Clause 8 of IS 16103 (Part 1):2025 / IEC 62031:2018
25.	LED Modules	Protection against accidental contact with live parts	Clause 09 of IS 16103 (Part 1):2025 / IEC 62031:2018
26.	LED Modules	Moisture Resistance and Insulation	Clause 10 of IS 16103 (Part 1):2025 / IEC 62031:2018
27.	LED Modules	Electric Strength	Clause 11 of IS 16103 (Part 1):2025 / IEC 62031:2018
28.	LED Modules	Fault conditions	Clause 12 of IS 16103 (Part 1):2025 / IEC 62031:2018
29.	LED Modules	Construction	Clause 14 of IS 16103 (Part 1):2025 / IEC 62031:2018
30.	LED Modules	Creepage distance and clearances	Clause 15 of IS 16103 (Part 1):2025 / IEC 62031:2018
31.	LED Modules	Screws, current carrying parts and connections	Clause 16 of IS 16103 (Part 1):2025 / IEC 62031:2018
32.	LED Modules	Resistance to heat, fire and tracking	Clause 17 of IS 16103 (Part 1):2025 / IEC 62031:2018



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and Accessories		
33.	LED Modules	Resistance to corrosion	Clause 18 of IS 16103 (Part 1):2025 / IEC 62031:2018
34.	Fixed General Purpose Luminaries	Classification of Luminaires	Clause 5 of IS 10322 (Part5/Sec 1): 2012
35.	Fixed General Purpose Luminaries	Marking	Clause 6 of IS 10322 (Part5/Sec 1): 2012
36.	Fixed General Purpose Luminaries	Construction	Clause 7 of IS 10322 (Part5/Sec 1): 2012
37.	Fixed General Purpose Luminaries	Creepage Distance and Clearances	Clause 8 of IS 10322 (Part5/Sec 1): 2012
38.	Fixed General Purpose Luminaries	Provision for earthing	Clause 9 of IS 10322 (Part5/Sec 1): 2012
39.	Fixed General Purpose Luminaries	Terminals	Clause 10 of IS 10322 (Part5/Sec 1): 2012
40.	Fixed General Purpose Luminaries	External & Internal Wiring	Clause 11 of IS 10322 (Part5/Sec 1): 2012
41.	Fixed General Purpose Luminaries	Protection against electric shock	Clause 12 of IS 10322 (Part5/Sec 1): 2012
42.	Fixed General Purpose Luminaries	Endurance Tests and Thermal Tests	Clause 13 of IS 10322 (Part5/Sec 1): 2012
43.	Fixed General Purpose Luminaries	Resistance to Dust & Moisture	Clause 14 of IS 10322 (Part5/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		
44.	Fixed General Purpose Luminaries	Insulation Resistance and Electric Strength	Clause 15 of IS 10322 (Part5/Sec 1): 2012
45.	Fixed General Purpose Luminaries	Resistance to Heat, fire and tracking	Clause 16 of IS 10322 (Part5/Sec 1): 2012
46.	Lighting Chains	Classification of Luminaires	Clause 20.5 of IS 10322(Part 5/Sec 7): 2017
47.	Lighting Chains	Marking	Clause 20.6 of IS 10322(Part 5/Sec 7): 2017
48.	Lighting Chains	Construction	Clause 20.7 of IS 10322(Part 5/Sec 7): 2017
49.	Lighting Chains	Creepage Distance and Clearances	Clause 20.8 of IS 10322(Part 5/Sec 7): 2017
50.	Lighting Chains	Terminals	Clause 20.10 of IS 10322(Part 5/Sec 7): 2017
51.	Lighting Chains	External & Internal Wiring	Clause 20.11 of IS 10322(Part 5/Sec 7): 2017
52.	Lighting Chains	Protection against electric shock	Clause 20.12 of IS 10322(Part 5/Sec 7): 2017
53.	Lighting Chains	Endurance Tests and Thermal Tests	Clause 20.13 of IS 10322(Part 5/Sec 7): 2017
54.	Lighting Chains	Resistance to Dust & Moisture	Clause 20.14 of IS 10322(Part 5/Sec 7): 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and Accessories		
55.	Lighting Chains	Insulation Resistance and Electric Strength	Clause 20.15 of IS 10322(Part 5/Sec 7): 2017
56.	Lighting Chains	Resistance to Heat, fire and tracking	Clause 20.16 of IS 10322(Part 5/Sec 7): 2017



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
1.	Household and Similar Electrical Appliances	Classification	Clause 6 of IS 302 (Part 1): 2024/IEC 60335-1: 2020
2.		Marking and instructions	Clause 7 of IS 302 (Part 1): 2024/IEC 60335-1: 2020
3.		Protection against access to live parts	Clause 8 of IS 302 (Part 1): 2024/IEC 60335-1: 2020
4.		Power input and current	Clause 10 of IS 302 (Part 1): 2024/IEC 60335-1: 2020
5.		Heating	Clause 11 of IS 302 (Part 1): 2024/IEC 60335-1: 2020
6.		Charging of metal-ion batteries	Clause 12 of IS 302 (Part 1): 2024/IEC 60335-1: 2020
7.		Leakage Current and Electric Strength at Operating Temperature	Clause 13 of IS 302 (Part 1): 2024/IEC 60335-1: 2020
8.		Transient Over Voltages	Clause 14 of IS 302 (Part 1): 2024/IEC 60335-1: 2020
9.		Moisture Resistance	Clause 15 of IS 302 (Part 1): 2024/IEC 60335-1: 2020
10.		Leakage current and Electric Strength	Clause 16 of IS 302 (Part 1): 2024/IEC 60335-1: 2020



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
11.	Household and Similar Electrical Appliances	Over Load Protection of Transformers and associated circuits	Clause 17 of IS 302 (Part 1):2024/IEC 60335-1: 2020
12.		Abnormal Operation	Clause 19 of IS 302 (Part 1):2024/IEC 60335-1: 2020
13.		Stability and mechanical hazards	Clause 20 of IS 302 (Part 1):2024/IEC 60335-1: 2020
14.		Mechanical Strength	Clause 21 of IS 302 (Part 1):2024/IEC 60335-1: 2020
15.		Construction	Clause 22 of IS 302 (Part 1):2024/IEC 60335-1: 2020
16.		Internal wiring	Clause 23 of IS 302 (Part 1):2024/IEC 60335-1: 2020
17.		Components	Clause 24 of IS 302 (Part 1):2024/IEC 60335-1: 2020
18.		Supply connection and external flexible cords	Clause 25 of IS 302 (Part 1):2024/IEC 60335-1: 2020
19.		Terminals for external conductors	Clause 26 of IS 302 (Part 1):2024/IEC 60335-1: 2020
20.		Provision for earthing	Clause 27 of IS 302 (Part 1):2024/IEC 60335-1: 2020



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
21.	Household and Similar Electrical Appliances	Screw and connections	Clause 28 of IS 302 (Part 1):2024/IEC 60335-1: 2020
22.		Clearance, creepage distances and solid insulation	Clause 29 of IS 302 (Part 1):2024/IEC 60335-1: 2020
23.		Resistance to heat and fire	Clause 30 of IS 302 (Part 1):2024/IEC 60335-1: 2020
24.		Resistance to Rusting	Clause 31 of IS 302 (Part 1):2024/IEC 60335-1: 2020
25.	Induction Stove (Hob)	Classification	Clause 6 of IS 302 (Part 2/Sec 6): 2009
26.	Induction Stove (Hob)	Marking and instructions	Clause 7 of IS 302 (Part 2/Sec 6): 2009
27.	Induction Stove (Hob)	Protection against access to live parts	Clause 8 of IS 302 (Part 2/Sec 6): 2009
28.	Induction Stove (Hob)	Power input and current	Clause 10 of IS 302 (Part 2/Sec 6): 2009
29.	Induction Stove (Hob)	Heating	Clause 11 of IS 302 (Part 2/Sec 6): 2009
30.	Induction Stove (Hob)	Leakage Current and Electric Strength at Operating Temperature	Clause 13 of IS 302 (Part 2/Sec 6): 2009
31.	Induction Stove (Hob)	Transient Over Voltages	Clause 14 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
	Safety Testing Facility		
32.	Induction Stove (Hob)	Moisture Resistance	Clause 15 of IS 302 (Part 2/Sec 6): 2009
33.	Induction Stove (Hob)	Leakage current and Electric Strength	Clause 16 of IS 302 (Part 2/Sec 6): 2009
34.	Induction Stove (Hob)	Over Load Protection of Transformers and associated circuits	Clause 17 of IS 302 (Part 2/Sec 6): 2009
35.	Induction Stove (Hob)	Endurance Test requirements and tests	Clause 18 of IS 302 (Part 2/Sec 6): 2009
36.	Induction Stove (Hob)	Abnormal Operation	Clause 19 of IS 302 (Part 2/Sec 6): 2009
37.	Induction Stove (Hob)	Stability test	Clause 20 of IS 302 (Part 2/Sec 6): 2009
38.	Induction Stove (Hob)	Mechanical Strength	Clause 21 of IS 302 (Part 2/Sec 6): 2009
39.	Induction Stove (Hob)	Construction verification related test	Clause 22 of IS 302 (Part 2/Sec 6): 2009
40.	Induction Stove (Hob)	Internal wiring	Clause 23 of IS 302 (Part 2/Sec 6): 2009
41.	Induction Stove (Hob)	Components	Clause 24 of IS 302 (Part 2/Sec 6): 2009
42.	Induction Stove (Hob)	Supply connection and external flexible cords	Clause 25 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
	Safety Testing Facility		
43.	Induction Stove (Hob)	Terminals for external conductors	Clause 26 of IS 302 (Part 2/Sec 6): 2009
44.	Induction Stove (Hob)	Provision for earthing	Clause 27 of IS 302 (Part 2/Sec 6): 2009
45.	Induction Stove (Hob)	Screw test and connections	Clause 28 of IS 302 (Part 2/Sec 6): 2009
46.	Induction Stove (Hob)	Clearance, creepage distances and solid insulation	Clause 29 of IS 302 (Part 2/Sec 6): 2009
47.	Induction Stove (Hob)	Resistance to heat and fire	Clause 30 of IS 302 (Part 2/Sec 6): 2009
48.	Induction Stove (Hob)	Resistance to Rusting	Clause 31 of IS 302 (Part 2/Sec 6): 2009
49.	Rice Cooker	Classification	Clause 6 of IS 302 (Part 2/Sec 15): 2009
50.	Rice Cooker	Marking and instructions	Clause 7 of IS 302 (Part 2/Sec 15): 2009
51.	Rice Cooker	Protection against access to live parts	Clause 8 of IS 302 (Part 2/Sec 15): 2009
52.	Rice Cooker	Power input and current	Clause 10 of IS 302 (Part 2/Sec 6): 2009
53.	Rice Cooker	Heating	Clause 11 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
	Safety Testing Facility		
54.	Rice Cooker	Leakage Current and Electric Strength at Operating Temperature	Clause 13 of IS 302 (Part 2/Sec 15): 2009
55.	Rice Cooker	Transient Over Voltages	Clause 14 of IS 302 (Part 2/Sec 15): 2009
56.	Rice Cooker	Moisture Resistance	Clause 15 of IS 302 (Part 2/Sec 15): 2009
57.	Rice Cooker	Leakage current and Electric Strength	Clause 16 of IS 302 (Part 2/Sec 15): 2009
58.	Rice Cooker	Over Load Protection of Transformers and associated circuits	Clause 17 of IS 302 (Part 2/Sec 15): 2009
59.	Rice Cooker	Endurance Test requirements and tests	Clause 18 of IS 302 (Part 2/Sec 15): 2009
60.	Rice Cooker	Abnormal Operation	Clause 19 of IS 302 (Part 2/Sec 15): 2009
61.	Rice Cooker	Stability And Mechanical Hazards	Clause 20 of IS 302 (Part 2/Sec 15): 2009
62.	Rice Cooker	Mechanical Strength	Clause 21 of IS 302 (Part 2/Sec 15): 2009
63.	Rice Cooker	Construction verification test	Clause 22 of IS 302 (Part 2/Sec 15): 2009
64.	Rice Cooker	Internal wiring	Clause 23 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
	Safety Testing Facility		
65.	Rice Cooker	Components	Clause 24 of IS 302 (Part 2/Sec 15): 2009
66.	Rice Cooker	Supply connection and external flexible cords	Clause 25 of IS 302 (Part 2/Sec 15): 2009
67.	Rice Cooker	Terminals for external conductors	Clause 26 of IS 302 (Part 2/Sec 15): 2009
68.	Rice Cooker	Provision for earthing	Clause 27 of IS 302 (Part 2/Sec 15): 2009
69.	Rice Cooker	Screw test and connections	Clause 28 of IS 302 (Part 2/Sec 15): 2009
70.	Rice Cooker	Clearance, creepage distances and solid insulation	Clause 29 of IS 302 (Part 2/Sec 15): 2009
71.	Rice Cooker	Resistance to heat and fire	Clause 30 of IS 302 (Part 2/Sec 15): 2009
72.	Rice Cooker	Resistance to Rusting	Clause 31 of IS 302 (Part 2/Sec 15): 2009



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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	Marking and Instructions	Clause 4.1.15 of IEC 62368-1:2023, Clause 4.1 of IS/IEC 62368-1:2023
2.		Energy Source Classifications	Clause 4.2 of IEC 62368-1:2023, Clause 4.2 of IS/IEC 62368-1:2023
3.		Protection Against Energy Sources	Clause 4.3 of IEC 62368-1:2023, Clause 4.3 of IS/IEC 62368-1:2023
4.		Safeguards	Clause 4.4 of IEC 62368-1:2023, Clause 4.4 of IS/IEC 62368-1:2023
5.		Explosion	Clause 4.5 of IEC 62368-1:2023, Clause 4.5 of IS/IEC 62368-1:2023
6.		Fixing of Conductors	Clause 4.6 of IEC 62368-1:2023, Clause 4.6 of IS/IEC 62368-1:2023
7.		Equipment for direct insertion in to mains socket-outlets	Clause 4.7 of IEC 62368-1:2023, Clause 4.7 of IS/IEC 62368-1:2023
8.		Equipment containing coin / button cell batteries	Clause 4.8 of IEC 62368-1:2023, Clause 4.8 of IS/IEC 62368-1:2023
9.		Likelihood of fire or shock due to entry of conductive object	Clause No. 4.9 of IEC 62368-1:2023, Clause No. 4.9 of IS/IEC 62368-1:2023
10.		Components Requirement	Clause No. 4.10 of IEC 62368-1:2023, Clause No. 4.10 of IS/IEC 62368-1:2023



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
11.	Audio/Video, Information and communication Technology Equipment	Classification and limits of Electrical Energy sources	Clause No. 5.2 of IEC 62368-1:2023, Clause No. 5.2 of IS/IEC 62368-1:2023
12.		Protection against Electrical Energy Sources	Clause 5.3 of IEC 62368-1:2023, Clause 5.3 of IS/IEC 62368-1:2023
13.		Insulation Materials and requirements	Clause 5.4 of IEC 62368-1:2023, Clause 5.4 of IS/IEC 62368-1:2023
14.		Components as safeguard	Clause 5.5 of IEC 62368-1:2023, Clause 5.5 of IS/IEC 62368-1:2023
15.		Protective Conductor	Clause 5.6 of IEC 62368-1:2023, Clause 5.6 of IS/IEC 62368-1:2023
16.		Prospective touch voltage, touch current and protective conductor current	Clause 5.7 of IEC 62368-1:2023, Clause 5.7 of IS/IEC 62368-1:2023
17.		Classification of Power Sources (PS) and Potential Ignition Sources	Clause 6.2 of IEC 62368-1:2023, Clause 6.2 of IS/IEC 62368-1:2023
18.		Safeguards against fire under normal operating conditions and abnormal operating conditions	Clause 6.3 of IEC 62368-1:2023, Clause 6.3 of IS/IEC 62368-1:2023
19.		Safeguards against fire under single fault conditions	Clause 6.4 of IEC 62368-1:2023, Clause 6.4 of IS/IEC 62368-1:2023



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	IT Equipment		
20.	Audio/Video, Information and communication Technology Equipment	Internal and external wiring	Clause No. 6.5 of IEC 62368-1:2023, Clause No. 6.5 of IS/IEC 62368-1:2023
21.		Safeguards against fire due to the connection of additional equipment	Clause No. 6.6 of IEC 62368-1:2023, Clause No. 6.6 of IS/IEC 62368-1:2023
22.		Injury Caused by hazardous substances	Clause No. 7 of IEC 62368-1:2023, Clause No. 7, 7.1, 7.2, 7.3, 7.4, 7.5 of IS/IEC 62368-1:2023
23.		Mechanical energy source classification	Clause No. 8.2 of IEC 62368-1:2023, Clause No. 8.2 of IS/IEC 62368-1:2023
24.		Safeguards Against Parts with Sharp Edges and Corners	Clause No. 8.4 of IEC 62368-1:2023, Clause No. 8.4 of IS/IEC 62368-1:2023
25.		Safeguards Against Moving Parts	Clause 8.5 of IEC 62368-1:2023, Clause 8.5 of IS/IEC 62368-1:2023
26.		Stability of equipment	Clause 8.6 of IEC 62368-1:2023, Clause 8.6 of IS/IEC 62368-1:2023
27.		Equipment mounted to a wall or ceiling	Clause 8.7 of IEC 62368-1:2023, Clause 8.7 of IS/IEC 62368-1:2023
28.		Handle strength	Clause 8.8 of IEC 62368-1:2023, Clause 8.8 of IS/IEC 62368-1:2023



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
29.	Audio/Video, Information and communication Technology Equipment	Wheels or casters attachment requirement	Clause No. 8.9 of IEC 62368-1:2023, Clause No. 8.9 of IS/IEC 62368-1:2023
30.		Carts, stands and similar Carriers	Clause 8.10 of IEC 62368-1:2023, Clause 8.10 of IS/IEC 62368-1:2023
31.		Mounting means for rack mounted equipment	Clause No. 8.11 of IEC 62368-1:2023, Clause No. 8.11 of IS/IEC 62368-1:2023
32.		Thermal energy source classifications	Clause No. 9.2 of IEC 62368-1:2023, Clause No. 9.2 of IS/IEC 62368-1:2023
33.		Touch Temperature limit	Clause No. 9.3 of IEC 62368-1:2023, Clause No. 9.3 of IS/IEC 62368-1:2023
34.		Safeguards Against Thermal Energy Sources	Clause No. 9.4 of IEC 62368-1:2023, Clause No. 9.4 of IS/IEC 62368-1:2023
35.		Requirements for Safeguards	Clause No. 9.5 of IEC 62368-1:2023, Clause No. 9.5 of IS/IEC 62368-1:2023
36.		Requirements for wireless power transmitters	Clause No. 9.6 of IEC 62368-1:2023, Clause No. 9.6 of IS/IEC 62368-1:2023
37.		Input test	Annex B of IEC 62368-1:2023, IS/IEC 62368-1:2023

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
38.	Audio/Video, Information and communication Technology Equipment	Equipment markings, instructions, and instructional safeguards	Annex F of IEC 62368-1:2023, Annex F of IS/IEC 62368-1:2023
39.	Information Technology Equipment	Verification of Components	Clause 1.5 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
40.	Information Technology Equipment	Power interface	Clause 1.6 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
41.	Information Technology Equipment	Markings and instructions	Clause 1.7 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
42.	Information Technology Equipment	Protection from electric shock and energy hazards	Clause 2.1 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
43.	Information Technology Equipment	SELV circuits	Clause 2.2 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
44.	Information Technology Equipment	TNV circuits	Clause 2.3 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
45.	Information Technology Equipment	Limited current circuits	Clause 2.4 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
46.	Information Technology Equipment	Limited power sources	Clause 2.5 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
47.	Information Technology Equipment	Provisions for earthing and bonding	Clause 2.6 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
48.	Information Technology Equipment	Overcurrent and earth fault protection in primary circuits	Clause 2.7 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
49.	Information Technology Equipment	Safety interlocks	Clause 2.8 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
50.	Information Technology Equipment	Electrical insulation	Clause 2.9 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
51.	Information Technology Equipment	Clearances, creepage distances and distances through insulation	Clause 2.10 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
52.	Information Technology Equipment	Wiring, connections and supply	Clause 3.1,3.2, 3.3,3.4,3.5 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
53.	Information Technology Equipment	Stability	Clause 4.1 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
54.	Information Technology Equipment	Mechanical strength	Clause 4.2 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
55.	Information Technology Equipment	Design and construction	Clause 4.3 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
56.	Information Technology Equipment	Protection against hazardous moving parts	Clause 4.4 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
57.	Information Technology Equipment	Thermal requirements	Clause 4.5 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
58.	Information Technology Equipment	Openings in enclosures	Clause 4.6 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
59.	Information Technology Equipment	Resistance to fire	Clause 4.7 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
60.	Information Technology Equipment	Touch current and protective conductor current	Clause 5.1 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
61.	Information Technology Equipment	Electric strength	Clause 5.2 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
62.	Information Technology Equipment	Abnormal operating and fault conditions	Clause 5.3 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
63.	Information Technology Equipment	Connection to telecommunication networks	Clause 6 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
64.	Information Technology Equipment	Connection to Cable Distribution System	Clause 7 of IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015/IEC 60950-1: 2005+ A1: 2009+A2:2013
65.	Mobile Phone Handset	Inputting and Readability	IS 16333 (Part 3): 2022



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
1.	Audio Video and similar Electronic Apparatus	Marking and instructions	Clause 5 of IS 616: 2017
2.		Heating under normal operating conditions	Clause 7 of IS 616: 2017
3.		Constructional requirements with regard to the protection against electric shock	Clause 8 of IS 616: 2017
4.		Electric shock hazard under normal operating conditions	Clause 9 of IS 616: 2017
5.		Insulation requirements	Clause 10 of IS 616: 2017
6.		Fault conditions	Clause 11 of IS 616: 2017
7.		Mechanical strength	Clause 12 of IS 616: 2017
8.		Clearances And Creepage Distances	Clause 13 of IS 616: 2017
9.		Components	Clause 14 of IS 616: 2017
10.		Terminals	Clause 15 of IS 616: 2017
11.		External flexible cords	Clause 16 of IS 616: 2017
12.		Electrical connections and mechanical fixings	Clause 17 of IS 616: 2017
13.		Stability and mechanical hazards	Clause 19 of IS 616: 2017
14.		Resistance to fire	Clause 20 of IS 616: 2017

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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.	Colour TV – Televisions / Ultra-High-Definition Televisions	Determination of power consumption, On Mode	Cl. 6.4 of IEC 62087-3:2015
2.	Colour TV – Televisions / Ultra-High-Definition Televisions	Determination of peak luminance ratio and power factor	Cl. 6.5 of IEC 62087-3:2015
3.	Colour TV – Televisions / Ultra-High-Definition Televisions	Determination of power consumption, Partial On mode	Cl. 6.6 of IEC 62087-3:2015
4.	Colour TV – Televisions / Ultra-High-Definition Televisions	Determination of power consumption, Off mode	Cl. 6.7 of IEC 62087-3:2015
5.	Colour TV – Televisions / Ultra-High-Definition Televisions	Preparation of power source, Input Terminals, Video Signal Brightness Control, Network connection test	Cl. 6.2 of IEC 62087-3:2015
6.	Colour TV – Televisions / Ultra-High-Definition Televisions	Preparation of TV Settings	Cl. 6.3.10 of IEC 62087-3:2015
7.	Colour TV – Televisions / Ultra-High-Definition Televisions	Total Harmonic Distortion	Cl. 5.1.1.6 of IEC 62087-1: 2015
8.	Colour TV – Televisions / Ultra-High-Definition Televisions	On(average) mode testing using dynamic broadcast-content video signal	IEC 62087 (3rd Edition) (Cl.11): 2011

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Energy Efficiency of Domestic Electronic Appliances		
9.	Colour TV – Televisions / Ultra-High-Definition Televisions	Picture level	A.5 of IEC 62087-3: 2015
10.	Colour TV – Televisions / Ultra-High-Definition Televisions	Measurement of standby power	Cl.5 of IEC 62301:2011
11.	Colour TV – Televisions / Ultra-High-Definition Televisions	On mode power consumption	IEC 62087-3, BEE Schedule 26 :2015
12.	Colour TV – Televisions / Ultra-High-Definition Televisions	Peak Luminance ratio	IEC 62087-3, BEE Schedule 26 :2015
13.	Colour TV – Televisions / Ultra-High-Definition Televisions	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
14.	Colour TV – Televisions / Ultra-High-Definition Televisions	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



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
1.	Electrical, Electronic & mechanical Products	Vibration (Sinusoidal)	IS/IEC 60068: Part 2: Sec 6: 2007
2.		Composite Temperature Humidity Cyclic test	IS/IEC 60068: Part 2: Sec 38: 2021
3.		Dry heat tests	IS/IEC 60068: Part 3: Sec 1: 2011
4.		Damp heat tests	IS/IEC 60068: Part 3: Sec 4: 2001
5.	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) (Up to IP 68)	IS/IEC 60529:2001
6.	Electrical, Electronic & Mechanical Products	Dry Heat Test	IS 9000(Part 3/Sec1 to 5):1977 RA: 2019
7.		Damp Heat (Steady State) Test	IS 9000(Part 4) :2020
8.		Composite temperature/ humidity cyclic test	IS 9000(Part 6):1978, RA: 2019,
9.		Impact Test (Shock, Drop and Free Fall)	IS 9000(Part 7/Sec 1 to 5) :1979 RA: 2016
10.		Vibration Test (Sinusoidal)	IS 9000 (Part 8): 1981 RA:2021
11.		Salt Mist Test	IS 9000(Part 11): 1983, 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 & Mechanical Products	Dust Test	IS 9000(Part 12):1981; RA: 2019,
13.		Glow Wire Test	IS 11000-2-1:2018 RA: 2021
14.		Needle Flame Test	IS 11000-2-2: 2008 RA: 2021
15.		Dry Heat Test	IEC 60068-2-2: 2007
16.		Vibration Test (Sinusoidal)	IEC60068-2-6: 2007,
17.		Shock Test	IEC 60068-2-27: 2008
18.		Damp Heat Cyclic Test	IEC 60068-2-30: 2005
19.		Impact, Drop Test	IEC 60068-2-31: 2008
20.		Vibration Test (Random)	IEC 60068-2-64 :2008 +AMD 1: 2019
21.		Damp Heat (Steady State) Test	IEC 60068-2-78: 2012
22.		Glow Wire Test	IEC 60695-2-10:2021
23.		Glow wire test	IEC 60695-2-13:2021
24.		Ball Pressure test (Resistance to heat test)	IEC 60695-10-2:2014
25.		Needle-flame test	IEC 60695-11-5:2016
26.		Vibration Test	IEC 61373:2010
27.		Shock Test	IEC 61373: 2010

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
28.	Electrical, Electronic & Mechanical Products	Degree Of Protection Provided by Enclosures for Electrical Equipment Against External Mechanical Impact IK Code/ IK01-10	IEC 62262:2002
29.		Dry Heat Test	Clause 10.2.4 of IEC 60571:2012
30.		Damp heat	Clause 10.2.5 of IEC 60571:2012
31.		Insulation test	Clause 10.2.9 of IEC 60571:2012
32.		Salt mist test	Clause 10.2.10 of IEC 60571:2012
33.		High Temperature (Dry Heat Cycle)	Test No.2 QM 333: 2010
34.		Damp Heat (Steady State)	Test No.5 QM 333: 2010
35.		Vibration Test	Test No.6 QM 333: 2010
36.		Water Immersion Test	Test No.8 QM 333: 2010
37.		Corrosion – Salt	Test No.9 QM 333: 2010



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
38.	Electrical, Electronic & Mechanical Products	Drop Test	Test No.10 QM 333: 2010
39.		Topple Test	Test No.11 QM 333: 2010
40.		Fall Test	Test No.12 QM 333: 2010
41.		Dust Test	Test No.15 QM 333: 2010
42.		Damp Heat	Test Number 10, JSS:55555:2012
43.		Drip Proof	Test Number 11, JSS:55555:2012
44.		Drop test	Test Number 13, JSS:55555:2012
45.		Dust test	Test Number 14, JSS:55555:2012
46.		Tropical Exposure Test	Test Number 27, JSS:55555:2012
47.		High temperature	Test Number 17, JSS:55555:2012
48.		Low Temperature	Test Number 20, JSS:55555:2012
49.		Rapid temperature cycling	Test Number 22, JSS:55555:2012
50.		Vibration Test	Test Number 28, JSS:55555:2012



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
51.	Electrical, Electronic & Mechanical Products	High Temperature	501.4 of MIL-STD-810F
52.		Low Temperature	502.4 of MIL-STD-810F
53.		Temperature Shock	503.4 of MIL-STD-810F
54.		Humidity	507.4 of MIL-STD-810F
55.		Salt Fog	509.4 of MIL-STD-810F
56.		Immersion	512.4 of MIL-STD-810F
57.		Vibration	514.5 of MIL-STD-810F
58.		Shock	516.5 of MIL-STD-810F
59.		Resistance to Humidity Test	Clause 8 (iii) RDSO specification: RDSO/PE/SPEC/TL/0091-2016 (REV-1) :2016
60.		Insulation Resistance Test	Clause 8 (iv) RDSO specification: RDSO/PE/SPEC/TL/0091-2016 (REV-1) :2016
61.		HV Test	Clause 8 (v) RDSO specification: RDSO/PE/SPEC/TL/0091-2016 (REV-1) :2016
62.		Temperature Rise test	Clause No. 8 (xi) RDSO/PE/SPEC/TL/0091-2016 (REV-1) :2016



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*Note:

Scope Amendment 1:

The following amendment has been done in the scope w.e.f. **23 October 2025**:

- The old standard **IS 16103 (Part 1):2012 + A1:2014** has been replaced by the revised standard **IS 16103 (Part 1):2025 / IEC 62031:2018** under *Lamps, Luminaires, and Accessories (Electrical Discipline)* on **Page No.- 3 & 4, S. No. 22 to 33**.
- **Clauses 20 and 21** of IS 16103 (Part 1):2025 / IEC 62031:2018 are **not covered under the accredited scope**.
- **IS/IEC 62368-1:2023** has been added along with IEC 62368-1:2023 under IT Equipment (Electronics Discipline) on **Page No.- 14 to 18, S. No. 1 to 38**.

*Note:

Scope Amendment 2:

Following scope of accreditation is amended w.e.f. **30 September 2026**

Electronics Discipline (Energy Efficiency of Domestic Electronic Appliances) in this **Product(s)/Material of Test** has been changed from **"Color TV"** to **"Colour TV – Televisions / Ultra-High-Definition Televisions"** on Page No. 23-24 in Sr. No. 1 to 14.

