

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

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Scope of Accreditation

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QAI/CIA/TL/2025/0098

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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.	AC or DC Supplied Electronic Control Gear for LED Modules	Protection against accidental Contact With live parts	Clause 8 of IS 15885(Part 2/Sec 13): 2012+A1:2015
3.	AC or DC Supplied Electronic Control Gear for LED Modules	Terminals	Clause 9 of IS 15885(Part 2/Sec 13): 2012+A1:2015
4.	AC or DC Supplied Electronic Control Gear for LED Modules	Provision for Protective Earthing	Clause 10 of IS 15885(Part 2/Sec 13): 2012+A1:2015
5.	AC or DC Supplied Electronic Control Gear for LED Modules	Moisture Resistance and Insulation	Clause 11 of IS 15885(Part 2/Sec 13): 2012+A1:2015
6.	AC or DC Supplied Electronic Control Gear for LED Modules	Electric Strength	Clause 12 of IS 15885(Part 2/Sec 13): 2012+A1:2015
7.	AC or DC Supplied Electronic Control Gear for LED Modules	Thermal Endurance Test for Windings of Ballasts	Clause 13 of IS 15885(Part 2/Sec 13): 2012+A1:2015
8.	AC or DC Supplied Electronic Control Gear for LED Modules	Fault Conditions	Clause 14 of IS 15885(Part 2/Sec 13): 2012+A1:2015
9.	AC or DC Supplied Electronic Control Gear for LED Modules	Transformer Heating	Clause 15 of IS 15885(Part 2/Sec 13): 2012+A1:2015
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.	AC or DC Supplied Electronic Control Gear for LED Modules	Creepage Distances and Clearances	Clause 17 of IS 15885(Part 2/Sec 13): 2012+A1:2015
12.	AC or DC Supplied Electronic Control Gear for LED Modules	Screws, Current-carrying Parts and Connections	Clause 18 of IS 15885(Part 2/Sec 13): 2012+A1:2015

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1 of 30

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and Accessories		
13.	AC or DC Supplied Electronic Control Gear for LED Modules	Resistance to Heat, Fire and Tracking	Clause 19 of IS 15885(Part 2/Sec 13): 2012+A1:2015
14.	AC or DC Supplied Electronic Control Gear for LED Modules	Resistance To Corrosion	Clause 20 of IS 15885(Part 2/Sec 13): 2012+A1:2015
15.	AC or DC Supplied Electronic Control Gear for LED Modules	Marking	Clause 6 of IS 16104:2012
16.	AC or DC Supplied Electronic Control Gear for LED Modules	Output Voltage and Current	Clause 7 of IS 16104:2012
17.	AC or DC Supplied Electronic Control Gear for LED Modules	Total Circuit Power	Clause 8 of IS 16104:2012
18.	AC or DC Supplied Electronic Control Gear for LED Modules	Circuit Power Factor	Clause 9 of IS 16104:2012
19.	AC or DC Supplied Electronic Control Gear for LED Modules	Supply Current	Clause 10 of IS 16104:2012
20.	AC or DC Supplied Electronic Control Gear for LED Modules	Operational Test for Abnormal condition	Clause 12 of IS 16104:2012
21.	AC or DC Supplied Electronic Control Gear for LED Modules	Endurance	Clause 13 of IS 16104:2012
22.	LED Modules	Marking	Clause 7 of IS 16103: Part 1:2012+A1:2014
23.	LED Modules	Terminals	Clause 8 of IS 16103: Part 1:2012+A1:2014

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www.qai.org.in



2 of 30

Quality And Accreditation Institute

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and Accessories		
24.	LED Modules	PROVISION FOR EARTHING	Clause 9 of IS 16103: Part 1:2012+A1:2014
25.	LED Modules	Protection against accidental contact with live parts	Clause 10 of IS 16103: Part 1:2012+A1:2014
26.	LED Modules	Moisture Resistance and Insulation	Clause 11 of IS 16103: Part 1:2012+A1:2014
27.	LED Modules	Electric Strength	Clause 12 of IS 16103: Part 1:2012+A1:2014
28.	LED Modules	Fault conditions	Clause 13 of IS 16103: Part 1:2012+A1:2014
29.	LED Modules	Construction	Clause 15 of IS 16103: Part 1:2012+A1:2014
30.	LED Modules	Creepage distance and clearances	Clause 16 of IS 16103: Part 1:2012+A1:2014
31.	LED Modules	Screws, current carrying parts and connections	Clause 17 of IS 16103: Part 1:2012+A1:2014
32.	LED Modules	Resistance to heat, fire and tracking	Clause 18 of IS 16103: Part 1:2012+A1:2014
33.	LED Modules	Resistance to corrosion	Clause 19 of IS 16103: Part 1:2012+A1:2014
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

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www.qai.org.in



3 of 30

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaries and Accessories		
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
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

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www.qai.org.in



4 of 30

Quality And Accreditation Institute Centre for International Accreditation

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

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www.qai.org.in



6 of 30

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
12.	Household and Similar Electrical Appliances	Abnormal Operation	Clause 19 of IS 302 (Part 1):2024/IEC 60335-1: 2020
13.	Household and Similar Electrical Appliances	Stability and mechanical hazards	Clause 20 of IS 302 (Part 1):2024/IEC 60335-1: 2020
14.	Household and Similar Electrical Appliances	Mechanical Strength	Clause 21 of IS 302 (Part 1):2024/IEC 60335-1: 2020
15.	Household and Similar Electrical Appliances	Construction	Clause 22 of IS 302 (Part 1):2024/IEC 60335-1: 2020
16.	Household and Similar Electrical Appliances	Internal wiring	Clause 23 of IS 302 (Part 1):2024/IEC 60335-1: 2020
17.	Household and Similar Electrical Appliances	Components	Clause 24 of IS 302 (Part 1):2024/IEC 60335-1: 2020
18.	Household and Similar Electrical Appliances	Supply connection and external flexible cords	Clause 25 of IS 302 (Part 1):2024/IEC 60335-1: 2020
19.	Household and Similar Electrical Appliances	Terminals for external conductors	Clause 26 of IS 302 (Part 1):2024/IEC 60335-1: 2020
20.	Household and Similar Electrical Appliances	Provision for earthing	Clause 27 of IS 302 (Part 1):2024/IEC 60335-1: 2020
21.	Household and Similar Electrical Appliances	Screw and connections	Clause 28 of IS 302 (Part 1):2024/IEC 60335-1: 2020
22.	Household and Similar Electrical Appliances	clearance, creepage distances and solid insulation	Clause 29 of IS 302 (Part 1):2024/IEC 60335-1: 2020
23.	Household and Similar Electrical Appliances	Resistance to heat and fire	Clause 30 of IS 302 (Part 1):2024/IEC 60335-1: 2020

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www.qai.org.in



7 of 30

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
24.	Household and Similar Electrical Appliances	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 OverVoltages	Clause 14 of IS 302 (Part 2/Sec 6): 2009
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

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www.qai.org.in



8 of 30

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
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
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

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www.qai.org.in



9 of 30

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
47.	Induction Stove (Hob)	Resistance to heat and fire	Clause 30 of IS 302 (Part 1):2024/IEC 60335-1: 2020
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
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 OverVoltages	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

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www.qai.org.in



10 of 30

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
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
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

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www.qai.org.in



11 of 30

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
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 1):2024/IEC 60335-1: 2020
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
2.	Audio/Video, Information and communication Technology Equipment	Energy Source Classifications	Clause 4.2 of IEC 62368-1:2023
3.	Audio/Video, Information and communication Technology Equipment	Protection Against Energy Sources	Clause 4.3 of IEC 62368-1:2023
4.	Audio/Video, Information and communication Technology Equipment	Safeguards	Clause 4.4 of IEC 62368-1:2023
5.	Audio/Video, Information and communication Technology Equipment	Explosion	Clause 4.5 of IEC 62368-1:2023
6.	Audio/Video, Information and communication Technology Equipment	Fixing of Conductors	Clause 4.6 of IEC 62368-1:2023
7.	Audio/Video, Information and communication Technology Equipment	Equipment for direct insertion in to mains socket-outlets	Clause 4.7 of IEC 62368-1:2023
8.	Audio/Video, Information and communication Technology Equipment	Equipment containing coin / button cell batteries	Clause 4.8 of IEC 62368-1:2023

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www.qai.org.in



13 of 30

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
9.	Audio/Video, Information and communication Technology Equipment	Likelihood of fire or shock due to entry of conductive object	Clause No. 4.9 of IEC 62368-1:2023
10.	Audio/Video, Information and communication Technology Equipment	Components Requirement	Clause No. 4.10 of IEC 62368-1:2023
11.	Audio/Video, Information and communication Technology Equipment	Classification and limits of Electrical Energy sources	Clause No. 5.2 of IEC 62368-1:2023
12.	Audio/Video, Information and communication Technology Equipment	Protection against Electrical Energy Sources	Clause 5.3 of IS/IEC IEC 62368-1:2023
13.	Audio/Video, Information and communication Technology Equipment	Insulation Materials and requirements	Clause 5.4 of IEC 62368-1:2023
14.	Audio/Video, Information and communication Technology Equipment	Components as safeguard	Clause 5.5 of IEC 62368-1:2023
15.	Audio/Video, Information and communication Technology Equipment	Protective Conductor	Clause 5.6 of IEC 62368-1:2023
16.	Audio/Video, Information and communication Technology Equipment	Prospective touch voltage, touch current and protective conductor current	Clause 5.7 of IEC 62368-1:2023

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www.qai.org.in



14 of 30

Quality And Accreditation Institute

Centre for International Accreditation

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
17.	Audio/Video, Information and communication Technology Equipment	Classification of Power Sources (PS) and Potential Ignition Sources	Clause 6.2 of IEC 62368-1:2023
18.	Audio/Video, Information and communication Technology Equipment	Safeguards against fire under normal operating conditions and abnormal operating conditions	Clause 6.3 of IEC 62368-1:2023
19.	Audio/Video, Information and communication Technology Equipment	Safeguards against fire under single fault conditions	Clause 6.4 of IEC 62368-1:2023
20.	Audio/Video, Information and communication Technology Equipment	Internal and external wiring	Clause No. 6.5 of IEC 62368-1:2023
21.	Audio/Video, Information and communication Technology Equipment	Safeguards against fire due to the connection of additional equipment	Clause No. 6.6 of IEC 62368-1:2023
22.	Audio/Video, Information and communication Technology Equipment	Injury Caused by hazardous substances	Clause No. 7 of IEC 62368-1:2023
23.	Audio/Video, Information and communication Technology Equipment	Mechanical energy source classification	Clause No. 8.2 of IEC 62368-1:2023
24.	Audio/Video, Information and communication Technology Equipment	Safeguards Against Parts with Sharp Edges and Corners	Clause No. 8.4 of IEC 62368-1:2023

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www.qai.org.in



15 of 30

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
25.	Audio/Video, Information and communication Technology Equipment	Safeguards Against Moving Parts	Clause 8.5 of IEC 62368-1:2023
26.	Audio/Video, Information and communication Technology Equipment	Stability of equipment	Clause 8.6 of IEC 62368-1:2023
27.	Audio/Video, Information and communication Technology Equipment	Equipment mounted to a wall or ceiling	Clause 8.7 of IEC 62368-1:2023
28.	Audio/Video, Information and communication Technology Equipment	Handle strength	Clause 8.8 of IEC 62368-1:2023
29.	Audio/Video, Information and communication Technology Equipment	Wheels or casters attachment requirement	Clause No. 8.9 of IEC 62368-1:2023
30.	Audio/Video, Information and communication Technology Equipment	Carts, stands and similar Carriers	Clause 8.10 of IEC 62368-1:2023
31.	Audio/Video, Information and communication Technology Equipment	Mounting means for rack mounted equipment	Clause No. 8.11 of IEC 62368-1:2023
32.	Audio/Video, Information and communication Technology Equipment	Thermal energy source classifications	Clause No. 9.2 of IEC 62368-1:2023

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www.qai.org.in



16 of 30

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
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QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
33.	Audio/Video, Information and communication Technology Equipment	Touch Temperature limit	Clause No. 9.3 of IEC 62368-1:2023
34.	Audio/Video, Information and communication Technology Equipment	Safeguards Against Thermal Energy Sources	Clause No. 9.4 of IEC 62368-1:2023
35.	Audio/Video, Information and communication Technology Equipment	Requirements for Safeguards	Clause No. 9.5 of IEC 62368-1:2023
36.	Audio/Video, Information and communication Technology Equipment	Requirements for wireless power transmitters	Clause No. 9.6 of IEC 62368-1:2023
37.	Audio/Video, Information and communication Technology Equipment	Input test	Annex B of IEC 62368-1:2023
38.	Audio/Video, Information and communication Technology Equipment	Equipment markings, instructions, and instructional safeguards	Annex F of 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

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www.qai.org.in



17 of 30

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
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
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

This is annexure to 'Certificate of Accreditation' and does not require any signature.

www.qai.org.in



18 of 30

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
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QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
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
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



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
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QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
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
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



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

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.	Audio Video and similar Electronic Apparatus	Heating under normal operating conditions	Clause 7 of IS 616: 2017
3.	Audio Video and similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock	Clause 8 of IS 616: 2017
4.	Audio Video and similar Electronic Apparatus	Electric shock hazard under normal operating conditions	Clause 9 of IS 616: 2017
5.	Audio Video and similar Electronic Apparatus	Insulation requirements	Clause 10 of IS 616: 2017
6.	Audio Video and similar Electronic Apparatus	Fault conditions	Clause 11 of IS 616: 2017
7.	Audio Video and similar Electronic Apparatus	Mechanical strength	Clause 12 of IS 616: 2017
8.	Audio Video and similar Electronic Apparatus	CLEARANCES and CREEPAGE DISTANCES	Clause 13 of IS 616: 2017
9.	Audio Video and similar Electronic Apparatus	Components	Clause 14 of IS 616: 2017
10.	Audio Video and similar Electronic Apparatus	TERMINALS	Clause 15 of IS 616: 2017
11.	Audio Video and similar Electronic Apparatus	External flexible cords	Clause 16 of IS 616: 2017
12.	Audio Video and similar Electronic Apparatus	Electrical connections and mechanical fixings	Clause 17 of IS 616: 2017

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www.qai.org.in



21 of 30

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Safety Testing Facility		
13.	Audio Video and similar Electronic Apparatus	Stability and mechanical hazards	Clause 19 of IS 616: 2017
14.	Audio Video and similar Electronic Apparatus	Resistance to fire	Clause 20 of IS 616: 2017



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Energy Efficiency of Domestic Electronic Appliances		
1.	Color TV	Determination of power consumption, On Mode	Cl. 6.4 of IEC 62087-3:2015
2.	Color TV	Determination of peak luminance ratio and power factor	Cl. 6.5 of IEC 62087-3:2015
3.	Color TV	Determination of power consumption, Partial On mode	Cl. 6.6 of IEC 62087-3:2015
4.	Color TV	Determination of power consumption, Off mode	Cl. 6.7 of IEC 62087-3:2015
5.	Color TV	Preparation of power source, Input Terminals, Video Signal Brightness Control, Network connection test	Cl. 6.2 of IEC 62087-3:2015
6.	Color TV	Preparation of TV Settings	Cl. 6.3.10 of IEC 62087-3:2015
7.	Color TV	Total Harmonic Distortion	Cl. 5.1.1.6 of IEC 62087-1: 2015
8.	Color TV	On(average) mode testing using dynamic broadcast-content video signal	IEC 62087 (3rd Edition) (Cl.11): 2011
9.	Color TV	Picture level	A.5 of IEC 62087-3: 2015
10.	Color TV	Measurement of standby power	Cl.5 of IEC 62301:2011
11.	Color TV	On mode power consumption	IEC 62087-3, BEE Schedule 26 :2015
12.	Color TV	Peak Luminance ratio	IEC 62087-3, BEE Schedule 26 :2015

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www.qai.org.in



23 of 30

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Energy Efficiency of Domestic Electronic Appliances		
13.	Color TV	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.	Color TV	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



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

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.	Electrical, Electronic & mechanical Products	Composite Temperature Humidity Cyclic test	IS/IEC 60068: Part 2: Sec 38: 2021
3.	Electrical, Electronic & mechanical Products	Dry heat tests	IS/IEC 60068: Part 3: Sec 1: 2011
4.	Electrical, Electronic & mechanical Products	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.	Electrical, Electronic & mechanical Products	Damp Heat (Steady State) Test	IS 9000(Part 4) :2020,
8.	Electrical, Electronic & mechanical Products	Composite temperature/ humidity cyclic test	IS 9000(Part 6):1978, RA: 2019,
9.	Electrical, Electronic & mechanical Products	Impact Test (Shock, Drop and Free Fall)	IS 9000(Part 7/Sec 1 to 5) :1979 RA: 2016

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www.qai.org.in



25 of 30

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
10.	Electrical, Electronic & mechanical Products	Vibration Test (Sinusoidal)	IS 9000 (Part 8): 1981 RA:2021
11.	Electrical, Electronic & mechanical Products	Salt Mist Test	IS 9000(Part 11): 1983, RA: 2019
12.	Electrical, Electronic & mechanical Products	Dust Test	IS 9000(Part 12):1981; RA: 2019,
13.	Electrical, Electronic & mechanical Products	Glow Wire Test	IS 11000-2-1:2018 RA: 2021
14.	Electrical, Electronic & mechanical Products	Needle Flame Test	IS 11000-2-2: 2008 RA: 2021
15.	Electrical, Electronic & mechanical Products	Dry Heat Test	IEC 60068-2-2: 2007
16.	Electrical, Electronic & mechanical Products	Vibration Test (Sinusoidal)	IEC60068-2-6: 2007,
17.	Electrical, Electronic & mechanical Products	Shock Test	IEC 60068-2-27: 2008
18.	Electrical, Electronic & mechanical Products	Damp Heat Cyclic Test	IEC 60068-2-30: 2005
19.	Electrical, Electronic & mechanical Products	Impact, Drop Test	IEC 60068-2-31: 2008
20.	Electrical, Electronic & mechanical Products	Vibration Test (Random)	IEC 60068-2-64 :2008 +AMD 1: 2019
21.	Electrical, Electronic & mechanical Products	Damp Heat (Steady State) Test	IEC 60068-2-78: 2012

This is annexure to 'Certificate of Accreditation' and does not require any signature.

www.qai.org.in



26 of 30

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
22.	Electrical, Electronic & mechanical Products	Glow Wire Test	IEC 60695-2-10:2021
23.	Electrical, Electronic & mechanical Products	Glow wire test	IEC 60695-2-13:2021
24.	Electrical, Electronic & mechanical Products	Ball Pressure test (Resistance to heat test)	IEC 60695-10-2:2014
25.	Electrical, Electronic & mechanical Products	Needle-flame test	IEC 60695-11-5:2016
26.	Electrical, Electronic & mechanical Products	Vibration Test	IEC 61373:2010
27.	Electrical, Electronic & mechanical Products	Shock Test	IEC 61373: 2010
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.	Electrical, Electronic & mechanical Products	Dry Heat Test	Clause 10.2.4 of IEC 60571:2012
30.	Electrical, Electronic & mechanical Products	Damp heat	Clause 10.2.5 of IEC 60571:2012
31.	Electrical, Electronic & mechanical Products	Insulation test	Clause 10.2.9 of IEC 60571:2012
32.	Electrical, Electronic & mechanical Products	Salt mist test	Clause 10.2.10 of IEC 60571:2012

This is annexure to 'Certificate of Accreditation' and does not require any signature.

www.qai.org.in



27 of 30

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
33.	Electrical, Electronic & mechanical Products	High Temperature (Dry Heat Cycle)	Test No.2 QM 333: 2010
34.	Electrical, Electronic & mechanical Products	Damp Heat (Steady State)	Test No.5 QM 333: 2010
35.	Electrical, Electronic & mechanical Products	Vibration Test	Test No.6 QM 333: 2010
36.	Electrical, Electronic & mechanical Products	Water Immersion Test	Test No.8 QM 333: 2010
37.	Electrical, Electronic & mechanical Products	Corrosion – Salt	Test No.9 QM 333: 2010
38.	Electrical, Electronic & mechanical Products	Drop Test	Test No.10 QM 333: 2010
39.	Electrical, Electronic & mechanical Products	Topple Test	Test No.11 QM 333: 2010
40.	Electrical, Electronic & mechanical Products	Fall Test	Test No.12 QM 333: 2010
41.	Electrical, Electronic & mechanical Products	Dust Test	Test No.15 QM 333: 2010
42.	Electrical, Electronic & mechanical Products	Damp Heat	Test Number 10, JSS:55555:2012
43.	Electrical, Electronic & mechanical Products	Drip Proof	Test Number 11, JSS:55555:2012
44.	Electrical, Electronic & mechanical Products	Drop test	Test Number 13, JSS:55555:2012

This is annexure to 'Certificate of Accreditation' and does not require any signature.

www.qai.org.in



28 of 30

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
45.	Electrical, Electronic & mechanical Products	Dust test	Test Number 14, JSS:55555:2012
46.	Electrical, Electronic & mechanical Products	Tropical Exposure Test	Test Number 27, JSS:55555:2012
47.	Electrical, Electronic & mechanical Products	High temperature	Test Number 17, JSS:55555:2012
48.	Electrical, Electronic & mechanical Products	Low Temperature	Test Number 20, JSS:55555:2012
49.	Electrical, Electronic & mechanical Products	Rapid temperature cycling	Test Number 22, JSS:55555:2012
50.	Electrical, Electronic & mechanical Products	Vibration Test	Test Number 28, JSS:55555:2012
51.	Electrical, Electronic & mechanical Products	High Temperature	501.4 of MIL-STD-810F
52.	Electrical, Electronic & mechanical Products	Low Temperature	502.4 of MIL-STD-810F
53.	Electrical, Electronic & mechanical Products	Temperature Shock	503.4 of MIL-STD-810F
54.	Electrical, Electronic & mechanical Products	Humidity	507.4 of MIL-STD-810F
55.	Electrical, Electronic & mechanical Products	Salt Fog	509.4 of MIL-STD-810F
56.	Electrical, Electronic & mechanical Products	Immersion	512.4 of MIL-STD-810F

This is annexure to 'Certificate of Accreditation' and does not require any signature.

www.qai.org.in



29 of 30

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Mighty Testing Private Limited

K, No.-700, Duhai, Duhai Industrial Area,
Ghaziabad-201206, Uttar Pradesh, India

QAI/CIA/TL/2025/0098

Valid from: 23 January 2025

Valid until: 22 January 2027

Accreditation Standard: ISO/IEC 17025:2017

Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
57.	Electrical, Electronic & mechanical Products	Vibration	514.5 of MIL-STD-810F
58.	Electrical, Electronic & mechanical Products	Shock	516.5 of MIL-STD-810F
59.	Electrical, Electronic & mechanical Products	Resistance to Humidity Test	Clause 8 (iii) RDSO specification: RDSO/PE/SPEC/TL/0091-2016 (REV-1) :2016
60.	Electrical, Electronic & mechanical Products	Insulation Resistance Test	Clause 8 (iv) RDSO specification: RDSO/PE/SPEC/TL/0091-2016 (REV-1) :2016
61.	Electrical, Electronic & mechanical Products	HV Test	Clause 8 (v) RDSO specification: RDSO/PE/SPEC/TL/0091-2016 (REV-1) :2016
62.	Electrical, Electronic & mechanical Products	Temperature Rise test	Clause No. 8 (xi) RDSO/PE/SPEC/TL/0091-2016 (REV-1) :2016

