

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Samridhi Test House Private Limited

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

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

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

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



QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
1.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Marking and Instructions	Cl.7 of IEC 60335-2- 89: 2019
2.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Protection against access to live parts	Cl.8 of IEC 60335-2- 89: 2019
3.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Starting of motor-operated appliances	Cl.9 of IEC 60335-2-89: 2019
4.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Power Input and Current	Cl.10 of IEC 60335-2-89: 2019
5.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Heating	Cl.11 of IEC 60335- 2-89: 2019

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www.qai.org.in



1 of 42

Quality And Accreditation Institute

Centre for International Accreditation

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
6.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Leakage current and electric strength at operating temperature	Cl.13 of IEC 60335-2-89: 2019
7.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Transient over voltages	Cl.14 of IEC 60335-2-89: 2019
8.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Moisture resistance	Cl.15 of IEC 60335-2-89: 2019
9.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Leakage current and electric strength	Cl.16 of IEC 60335-2-89: 2019
10.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Overload protection of transformers and associated circuits	Cl.17 of IEC 60335-2-89: 2019

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www.qai.org.in



2 of 42

Quality And Accreditation Institute

Centre for International Accreditation

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
11.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Endurance	Cl.18 of IEC 60335-2-89: 2019
12.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Abnormal operation	Cl.19 of IEC 60335-2-89: 2019
13.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Stability and mechanical hazards	Cl.20 of IEC 60335-2-89: 2019
14.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Mechanical strength	Cl.21 of IEC 60335-2-89: 2019
15.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Construction	Cl.22 of IEC 60335-2-89: 2019

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www.qai.org.in



3 of 42

Quality And Accreditation Institute

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
16.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Internal Wiring	Cl.23 of IEC 60335-2-89: 2019
17.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Components	Cl.24 of IEC 60335-2-89: 2019
18.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Supply connection and external flexible cords	Cl.25 of IEC 60335-2-89: 2019
19.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Terminals for external conductors	Cl.26 of IEC 60335-2-89: 2019
20.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Provision for earthing	Cl.27 of IEC 60335-2-89: 2019

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www.qai.org.in



4 of 42

Quality And Accreditation Institute

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
21.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Screws and connections	Cl.28 of IEC 60335-2-89: 2019
22.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Clearances, Creepage distances and solid insulation	Cl.29 of IEC 60335-2-89: 2019
23.	Commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	Resistance to heat and fire	Cl.30 of IEC 60335- 2-89: 2019
24.	Commercial refrigerating appliances and ice-maskers with an incorporated or remote refrigerant unit or motor- compressor	Resistance to rusting	Cl.31 of IEC 60335-2-89: 2019
25.	Commercial refrigerator	Cabinet (Inside Dimension)	Cl.3 of IS 1474: 1959
26.	Commercial refrigerator	Computation of Volume	Cl.3.3 of IS 1474: 1959
27.	Commercial refrigerator	Gross Volume	Cl.3.3.1 of IS 1474: 1959
28.	Commercial refrigerator	Volume of the Evaporator Space	Cl.3.4 of IS 1474: 1959

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www.qai.org.in



5 of 42

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
29.	Commercial refrigerator	Volume of fixed shelves and partitions	Cl.3.5 of IS 1474: 1959
30.	Commercial refrigerators	Computation of shelf area	Cl.3.6 of IS 1474: 1959
31.	Commercial refrigerator	Net volume	Cl.3.7 of IS 1474: 1959
32.	Commercial refrigerator	Construction	Cl.4 of IS 1474: 1959
33.	Commercial refrigerator	Refrigerating System	Cl.5 of IS 1474: 1959
34.	Commercial refrigerator	Electrical Equipment	Cl.6 of IS 1474: 1959
35.	Commercial refrigerator	Routine Tests	Cl.7.2 of IS 1474: 1959
36.	Commercial refrigerator	Thermostat Test	Cl.7.6.1 of IS 1474: 1959
37.	Commercial refrigerator	Electric Insulation Test	Cl.7.6.2 of IS 1474: 1959
38.	Commercial refrigerator	Door Seal Test	Cl.7.6.3 of IS 1474: 1959
39.	Commercial refrigerator	Test for Adequate rating of compressor motor	Cl.7.6.4 of IS 1474: 1959
40.	Commercial refrigerator	Test Procedures for Type Tests	Cl.7.5 of IS 1474: 1959
41.	Commercial refrigerator	Pressure Test	Cl.7.5.1 of IS 1474: 1959
42.	Commercial refrigerator	Insulation Resistance Test (Assembly Test)	Cl.7.5.3 of IS 1474: 1959
43.	Commercial refrigerators	Thermal Insulation Test	Cl.7.5.4 of IS 1474: 1959
44.	Commercial refrigerator	Condensation Test	Cl.7.5.5 of IS 1474: 1959
45.	Commercial refrigerators	Rating Test	Cl.7.5.6 of IS 1474: 1959
46.	Commercial refrigerators	Test for Adequate Rating of Compressor Motor	Cl.7.5.7 of IS 1474: 1959
47.	Commercial refrigerator	Door Seal Test	Cl.7.5.8 of IS 1474: 1959
48.	Commercial refrigerator	Marking	Cl.9 of IS 1474: 1959

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www.qai.org.in



6 of 42

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
49.	Deep Freezers	Construction	Cl.4 of IS 7872: 2020
50.	Deep Freezers	Durability Test (Doors and Fittings)	Cl.4.8 & 4.8.1 of IS 7872: 2020
51.	Deep Freezers	Refrigeration system	Cl.5 of IS 7872: 2020
52.	Deep Freezers	Strength-Pressure Test for Components	Cl.5.4 of IS 7872: 2020
53.	Deep Freezers	External surface condensation test	Cl. 5.6 of IS 7872: 2020
54.	Deep Freezers	Safety Requirements	Cl.6 of IS 7872: 2020
55.	Deep Freezers	Hermitically Sealed Compressor	Cl.6.2 of IS 7872: 2020
56.	Deep Freezers	Protective Guards	Cl.6.3 of IS 7872: 2020
57.	Deep Freezers	Electrical Accessories	Cl.6.4 of IS 7872: 2020
58.	Deep Freezers	Flammable Refrigerant test	Cl. 6.5 of IS 7872: 2020
59.	Deep Freezers	Sound Pressure Level	Cl. 7 of IS 7872: 2020
60.	Deep Freezers	Measurement of Freezer Storage Capacity	Cl.8 of IS 7872: 2020
61.	Deep Freezers	Freezer Installation	Cl.9.1 of IS 7872: 2020
62.	Deep Freezers	Mechanical strength of shelves & similar components	Cl.10.2.2 of IS 7872: 2020
63.	Deep Freezers	No-Load Pull-Down Test	Cl.11.1 of IS 7872: 2020
64.	Deep Freezers	Energy Consumption Test	Cl.11.2 of IS 7872: 2020
65.	Deep Freezers	Temperature Rise Test	Cl.11.3 of IS 7872: 2020
66.	Deep Freezers	Door Seal Test	Cl.11.4 of IS 7872: 2020

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www.qai.org.in



7 of 42

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
67.	Deep Freezers	Mechanical Strength of the Shelves & Similar Components	Cl.11.5 of IS 7872: 2020
68.	Deep Freezers	Thermal Insulation Test (External Condensation Test)	Cl.11.6 of IS 7872: 2020
69.	Deep Freezers	Pressure test	Cl.11.7 of IS 7872: 2020
70.	Deep Freezers	Dimension	Cl.12.1 of IS 7872: 2020
71.	Deep Freezers	Mass	Cl.12.1 of IS 7872: 2020
72.	Deep Freezers	Warpage	Cl. 12.2 of IS 1474: 1959
73.	Deep Freezers	Marking & Instructions	Cl.13 of IS 7872: 2020
74.	Household Refrigerating Appliances - Refrigerators	Classification	Cl.4 of IS 17550-1: 2021
75.	Household Refrigerating Appliances - Refrigerators	Marking	Cl.5 of IS 17550-1: 2021
76.	Household Refrigerating Appliances - Refrigerators	Technical and Commercial Product information	Cl.6 of IS 17550-1: 2021
77.	Household Refrigerating Appliances - Refrigerators	Determination of Linear Dimensions	Cl.6.2 of IS 17550-1: 2021
78.	Household Refrigerating Appliances - Refrigerators	Materials, Design and Manufacture	Cl.8 of IS 17550-1: 2021
79.	Household Refrigerating Appliances - Refrigerators	Testing the air tightness of door or lid seal(s)	Cl.9 of IS 17550-1: 2021
80.	Household Refrigerating Appliances - Refrigerators	Testing the opening force of door(s) or lid(s)	Cl.10 of IS 17550-1: 2021

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www.qai.org.in



8 of 42

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
81.	Household Refrigerating Appliances - Refrigerators	Testing the durability of hinges and handles of door(s) and lid(s)	Cl.11 of IS 17550-1: 2021
82.	Household Refrigerating Appliances - Refrigerators	Testing the mechanical strength of shelves and similar components	Cl.12 of IS 17550-1: 2021
83.	Household Refrigerating Appliances - Refrigerators	Water vapour Condensation test	Cl.13 of IS 17550-1: 2021
84.	Household Refrigerating Appliances - Refrigerators	Ice-making test (if applicable)	Cl.14 of IS 17550-1 & 17550-3: 2021
85.	Household Refrigerating Appliances - Refrigerators	Test for absence of odor and taste	Cl.15 of IS 17550-1: 2021
86.	Household Refrigerating Appliances - Refrigerators	Safety requirements (Protection against access to live parts; Power input and current; Heating; Leakage current and electric strength at operating temperature; Moisture resistance; Leakage current and electric strength (high voltage after humidity))	Cl.16 of IS 17550-1 & IS 302-1: 2021
87.	Household Refrigerating Appliances - Refrigerators	Designation	Cl.18 of IS 17550-1: 2021
88.	Household Refrigerating Appliances - Refrigerators	Instructions for use and Maintenance	Cl.19 of IS 17550-1: 2021

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www.qai.org.in



9 of 42

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
89.	Household Refrigerating Appliances - Refrigerators	Earth Continuity Test	(Cl. b) of 20.3 IS 17550-1: 2021
90.	Household Refrigerating Appliances - Refrigerators	Electric Strength Test	(Cl. c) of 20.3 IS 17550-1: 2021
91.	Household Refrigerating Appliances - Refrigerators	Cooling capacity test	Cl.4.3 & Cl.7 of IS 17550-2: 2021
92.	Household Refrigerating Appliances - Refrigerators	Freezing capacity test	Cl.4.4 & Cl.8 of IS 17550-2: 2021
93.	Household Refrigerating Appliances - Refrigerators	Automatic ice-making capacity test	Cl.4.5 & Cl.9 of IS 17550-2: 2021
94.	Household Refrigerating Appliances - Refrigerators	Pull- down test	Cl. 4.6 a) & Annex A of IS 17550-2: 2021
95.	Household Refrigerating Appliances - Refrigerators	Storage test	Cl.4.6 b) & Annex B of IS 17550-2: 2021
96.	Household Refrigerating Appliances - Refrigerators	Temperature rise test	Cl.4.6 c) & Annex C of IS 17550-2: 2021
97.	Household Refrigerating Appliances - Refrigerators	Water-vapour condensation test	Cl. 4.6 d) of Annex D of IS 17550-2: 2021
98.	Household Refrigerating Appliances - Refrigerators	Storage test	Cl.6 of IS 17550-2: 2021
99.	Household Refrigerating Appliances - Refrigerators	Determination of Steady state power & temperature	Annex B of IS 17550-3: 2021
100.	Household Refrigerating Appliances - Refrigerators	Defrost and recovery energy and temperature change	Annex C of IS 17550-3: 2021

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www.qai.org.in



10 of 42

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
101.	Household Refrigerating Appliances - Refrigerators	Defrost interval	Annex D of IS 17550-3: 2021
102.	Household Refrigerating Appliances - Refrigerators	Interpolation of results	Annex E of IS 17550-3: 2021
103.	Household Refrigerating Appliances - Refrigerators	Energy consumption of specified auxiliaries	Annex F of IS 17550-3: 2021
104.	Household Refrigerating Appliances - Refrigerators	Determination of load processing efficiency	Annex G of IS 17550-3: 2021
105.	Household Refrigerating Appliances - Refrigerators	Determination of Volume	Cl.4.8 of IS 17550-3 & Annex H of IS 17550-3: 2021
106.	Household Refrigerating Appliances - Refrigerators	Analysis of refrigerating appliance without steady state between defrosts	Annex L of IS 17550-3: 2021
107.	Household Refrigerating Appliances - Refrigerators	Determination of energy consumption	Cl.6 of IS 17550-3: 2021
108.	Household refrigerating appliances - Refrigerators	Determination of compartment average air temperatures	Annex D of IEC 62552-1: 2015
109.	Household refrigerating appliances - Refrigerators	Pull- down test	Annex A of IEC 62552-2: 2015
110.	Household refrigerating appliances -Refrigerators	Wine Storage appliances and compartments; storage test	Annex B of IEC 62552-2: 2015
111.	Household refrigerating appliances -Refrigerators	Temperature rise test	Annex C of IEC 62552-2: 2015
112.	Household refrigerating appliances -Refrigerators	Water vapour condensation test	Annex D of IEC 62552-2: 2015

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www.qai.org.in



11 of 42

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
113.	Household refrigerating appliances -Refrigerators	Storage Test	Cl.6 of IEC 62552-2: 2015
114.	Household refrigerating appliances -Refrigerators	Cooling capacity test	Cl.7 of IEC 62552-2: 2015
115.	Household refrigerating appliances -Refrigerators	Freezing capacity test	Cl.8 of IEC 62552-2: 2015
116.	Household Refrigerating Appliances - Refrigerators	Automatic ice making capacity test	Cl.9 of IEC 62552-2: 2015
117.	Household refrigerating appliances - Refrigerators	Determination of Steady state power & temperature	Annex B of IEC 62552-3: 2015
118.	Household refrigerating appliances -Refrigerators	Defrost and recovery energy and temperature change	Annex C of IEC 62552-3: 2015
119.	Household refrigerating appliances -Refrigerators	Defrost interval	Annex D of IEC 62552-3: 2015
120.	Household refrigerating appliances - Refrigerators	Interpolation of results	Annex E of IEC 62552-3: 2015
121.	Household refrigerating appliances - Refrigerators	Energy consumption of specified auxiliaries	Annex F of IEC 62552-3: 2015
122.	Household refrigerating appliances -Refrigerators	Determination of load processing efficiency	Annex G of IEC 62552-3: 2015
123.	Household refrigerating appliances - Refrigerators	Determination of Volume	Cl.4.8 of IEC 62552-3 & Annex H of IEC 62552-3: 2015
124.	Household refrigerating appliances -Refrigerators	Determination of energy consumption	Cl.6 of IEC 62552-3 & Annex A of IEC 62552-3: 2015

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www.qai.org.in



12 of 42

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
125.	Self-contained automatic ice makers	Construction	Cl.4 of IS 11328: 2022
126.	Self-contained automatic ice makers	Refrigerating System	Cl. 5 of IS 11328:2022
127.	Self-contained automatic ice makers	Electrical Equipment	Cl.6 of IS 11328: 2022
128.	Self-contained automatic ice makers	General Requirements for Test	Cl.7.1 of IS 11328: 2022
129.	Self-contained automatic ice makers	Ice Weighing Instruments	Cl.7.2 of IS 11328: 2022
130.	Self-contained automatic ice makers	Type Tests	Cl. 7.3 of IS 11328: 2022
131.	Self-contained automatic ice makers	Routine Tests	Cl.7.4 of IS 11328: 2022
132.	Self-contained automatic ice makers	Leakage Current Test	Cl.7.4 a of IS 11328: 2022
133.	Self-contained automatic ice makers	Earth Continuity Test	Cl. 7.4 b of IS 11328: 2022
134.	Self-contained automatic ice makers	Electric Strength Test	Cl. 7.4 c of IS 11328: 2022
135.	Self-contained automatic ice makers	Acceptance Tests	Cl.7.5 of IS 11328: 2022
136.	Self-contained automatic ice makers	Test Procedure	Cl. 7.6 of IS 11328: 2022

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www.qai.org.in



13 of 42

Quality And Accreditation Institute

Centre for International Accreditation

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
137.	Self-contained automatic ice makers	Stabilization	Cl. 7.6.1 of IS 11328: 2022
138.	Self-contained automatic ice makers	Capacity Test/ Ice making Test	Cl.7.6.2 of IS 11328: 2022
139.	Self-contained automatic ice makers	Water Consumption test	Cl. 7.6.3 of IS 11328: 2022
140.	Self-contained automatic ice makers	Energy Consumption Test	Cl.7.6.4 of IS 11328: 2022
141.	Self-contained automatic ice makers	Ice Quality Measurement by Method of Calorimeter	Cl.7.6.5 of IS 11328: 2022
142.	Self-contained automatic ice makers	Maximum Operating Condition Test	Cl. 7.6.6 of IS 11328: 2022
143.	Self-contained automatic ice makers	Marking	Cl. 8 of IS 11328: 2022
144.	Domestic Electric Clothes Washing machine	Rating	Cl.5 of IS 302-2-4: 1993
145.	Spin Extractors	Classification	Cl.6 of IS 302-2-4: 1993
146.	Spin Extractors	Marking	Cl.7 of IS 302-2-4
147.	Spin Extractors	Protection Against Electric Shock	Cl.8 of IS 302-2-4: 1993
148.	Spin Extractors	Starting of Motor - operated appliances	Cl.9 of IS 302-2-4: 1993
149.	Spin Extractors	Input and Current	Cl.10 of IS 302-2-4: 1993
150.	Spin Extractors	Heating	Cl.11 of IS 302-2-4: 1993

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www.qai.org.in



14 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
151.	Spin Extractors	Operation under load conditions of appliances with heating elements	Cl.12 of IS 302-2-4: 1993
152.	Spin Extractors	Electrical Insulation and Leakage current at operating Temperature	Cl.13 of IS 302-2-4:1993
153.	Spin Extractors	Radio and Television Interference Suppression	Cl.14 of IS 302-2-4: 1993
154.	Spin Extractors	Moisture Resistance	Cl.15 of IS 302-2-4
155.	Spin Extractors	Insulation Resistance and Electric Strength (After humidity Treatment)	Cl.16 of IS 302-2-4: 1993
156.	Spin Extractors	Overload Protection	Cl.17 of IS 302-2-4: 1993
157.	Spin Extractors	Endurance	Cl.18 of IS 302-2-4: 1993
158.	Spin Extractors	Abnormal Operation	Cl.19 of IS 302-2-4: 1993
159.	Spin Extractors	Stability and Mechanical Hazards	Cl.20 of IS 302-2-4: 1993
160.	Spin Extractors	Mechanical Strength	Cl.21 of IS 302-2-4: 1993
161.	Spin Extractors	Construction	Cl.22 of IS 302-2-4: 1993
162.	Spin Extractors	Internal Wiring	Cl.23 of IS 302-2-4: 1993
163.	Spin Extractors	Components	Cl.24 of IS 302-2-4: 1993
164.	Spin Extractors	Supply Connection and External Flexible Cables and Cords	Cl.25 of IS 302-2-4: 1993

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www.qai.org.in



15 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
165.	Spin Extractors	Terminals for External Conductors	Cl.26 of IS 302-2-4: 1993
166.	Spin Extractors	Provision for Earthing	Cl.27 of IS 302-2-4: 1993
167.	Spin Extractors	Screws and Connections	Cl.28 of IS 302-2-4: 1993
168.	Spin Extractors	Creepage Distances, Clearances and Distance Through Insulation	Cl.29 of IS 302-2-4: 1993
169.	Spin Extractors	Resistance to Heat, Fire and Tracking	Cl.30 of IS 302-2-4: 1993
170.	Spin Extractors	Resistance to Rusting	Cl.31 of IS 302-2-4: 1993
171.	Spin Extractors	Radiation Hazards	Cl.32 of IS 302-2-4: 1993
172.	Domestic Electric Clothes Washing machine	General Requirements	Cl. 4 of IS 14155:1994
173.	Domestic Electric Clothes Washing machine	General Notes on Tests	Cl. 5 of IS 14155:1994
174.	Domestic Electric Clothes Washing machine	Rating	Cl. 6 of IS 14155:1994
175.	Domestic Electric Clothes Washing machine	Classification	Cl. 7 of IS 14155:1994
176.	Domestic Electric Clothes Washing machine	Marking	Cl. 8 of IS 14155:1994
177.	Domestic Electric Clothes Washing machine	Safety Requirements	Cl. 9 of IS 14155:1994
178.	Domestic Electric Clothes Washing machine	List of Measurements	Cl. 10 of IS 14155: 1994

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www.qai.org.in



16 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
179.	Domestic Electric Clothes Washing machine	Determination of the washing performance standard measurement with a load of clean material and standardized soiling	Cl. 11 of IS 14155:1994
180.	Domestic Electric Clothes Washing machine	Determination of wear suffered by textile (determination of degree of mechanical wear suffered by Linen, by measuring weight of fibers Detached)	Cl. 12 of IS 14155:1994
181.	Domestic Electric Clothes Washing machine	Determination of water retention percentage	Cl. 13 of IS 14155:1994
182.	Domestic Electric Clothes Washing machine	Determination of water extracting efficiency	Cl. 14 of IS 14155:1994
183.	Domestic Electric Clothes Washing machine	Determination of water and energy consumption	Cl. 15 of IS 14155:1994
184.	Domestic Electric Clothes Washing machine	Determination of mechanical detergent loss in the sum of	Cl. 16 of IS 14155:1994
185.	Domestic Electric Clothes Washing machine	Endurance	Cl. 17 of IS 14155:1994
186.	Domestic Electric Clothes Washing machine	Finish	Cl. 18 of IS 14155: 1994
187.	Domestic Electric Clothes Washing machine	Tests	Cl. 19 of IS 14155:1994

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www.qai.org.in



17 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
188.	Domestic Electric Clothes Washing machine	General	Cl.4.1 of IEC 60456: 2010
189.	Domestic Electric Clothes Washing machine	Rated Capacity	Cl.4.2 of IEC 60456: 2010
190.	Domestic Electric Clothes Washing machine	Dimensions	Cl.4.3 of IEC 60456: 2010
191.	Domestic Electric Clothes Washing machine	General	Cl.5 of IEC 60456: 2010
192.	Domestic Electric Clothes Washing machine	Water Hardness	Cl.5.2.2.2 of IEC 60456: 2010
193.	Domestic Electric Clothes Washing machine	Water Temperature	Cl.5.2.2.3 of IEC 60456: 2010
194.	Domestic Electric Clothes Washing machine	Water Pressure	Cl.5.2.2.4 of IEC 60456: 2010
195.	Domestic Electric Clothes Washing machine	General	Cl.5.3.1 of IEC 60456: 2010
196.	Domestic Electric Clothes Washing machine	Base Loads	Cl.5.3.2 of IEC 60456: 2010
197.	Domestic Electric Clothes Washing machine	Stain Test Strips	Cl.5.3.3 of IEC 60456: 2010
198.	Domestic Electric Clothes Washing machine	Wool Shrinkage Specimen	Cl.5.3.4 of IEC 60456: 2010
199.	Domestic Electric Clothes Washing machine	Equipment	Cl.5.4 of IEC 60456: 2010

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www.qai.org.in



18 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
200.	Domestic Electric Clothes Washing machine	General	Cl.6.1 of IEC 60456: 2010
201.	Domestic Electric Clothes Washing machine	Test loads	Cl.6.4 of IEC 60456: 2010
202.	Domestic Electric Clothes Washing machine	Performance Measurement	Cl.7 of IEC 60456: 2010
203.	Domestic Electric Clothes Washing machine	Tests for performance	Cl.8 of IEC 60456: 2010
204.	Domestic Electric Clothes Washing machine	Measurement to determine washing performance	Cl.8.3 of IEC 60456: 2010
205.	Domestic Electric Clothes Washing machine	Measurement to determine water extraction performance	Cl.8.4 of IEC 60456: 2010
206.	Domestic Electric Clothes Washing machine	Measurement to determine rinsing performance	Cl.8.5 of IEC 60456: 2010
207.	Domestic Electric Clothes Washing machine	Alkalinity Measurement	Cl.8.5.3 of IEC 60456: 2010
208.	Domestic Electric Clothes Washing machine	Measurement to determine water and energy consumption and programme time	Cl.8.6 of IEC 60456: 2010
209.	Domestic Electric Clothes Washing machine	Assessment of Performance	Cl.9.1 of IEC 60456: 2010
210.	Domestic Electric Clothes Washing machine	Evaluation of Washing Performance	Cl.9.2 of IEC 60456: 2010

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www.qai.org.in



19 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
211.	Domestic Electric Clothes Washing machine	Evaluation of Water extraction Performance	Cl.9.3 of IEC 60456: 2010
212.	Domestic Electric Clothes Washing machine	Evaluation of Rising Performance	Cl.9.4 of IEC 60456: 2010
213.	Domestic Electric Clothes Washing machine	Evaluation of water and energy consumption and programme time	Cl.9.5 of IEC 60456: 2010
214.	Domestic Electric Clothes Washing machine	Shrinkage during the wool wash programme	Cl.10 of IEC 60456: 2010
215.	Domestic Electric Clothes Washing machine	Determine of Reference Shrinkage	Cl.10.2.2 of IEC 60456: 2010
216.	Domestic Electric Clothes Washing machine	Wool Programme Test	Cl.10.3.2 of IEC 60456: 2010
217.	Bottled Water Dispensers	Construction	Cl.4 of IS 17681:2022
218.	Bottled Water Dispensers	Refrigeration system	Cl.5 of IS 17681:2022
219.	Bottled Water Dispensers	Safety requirements	Cl.6 of IS 17681:2022
220.	Bottled Water Dispensers	General	Cl.6.1 of IS 17681: 2022
221.	Bottled Water Dispensers	Electrical accessories	Cl.6.2 of IS 17681: 2022
222.	Bottled Water Dispensers	Salt mist test	Cl.6.3 of IS 17681: 2022
223.	Bottled Water Dispensers	Sound pressure level	Cl.7 of IS 17681: 2022
224.	Bottled Water Dispensers	General conditions for tests	Cl.8 of IS 17681: 2022
225.	Bottled Water Dispensers	Measurement	Cl.9 of IS 17681:2022
226.	Bottled Water Dispensers	Performance tests	Cl.10 of IS 17681: 2022
227.	Bottled Water Dispensers	Cooling capacity test	Cl.10.1 of IS 17681: 2022

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

www.qai.org.in



20 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
228.	Bottled Water Dispensers	Maximum operating condition test (Environmental)	Cl.10.2 of IS 17681:2022
229.	Bottled Water Dispensers	Maximum operating condition test (Voltage)	Cl.10.3 of IS 17681: 2022
230.	Bottled Water Dispensers	Heating capacity test	Cl.10.4 of IS 17681: 2022
231.	Bottled Water Dispensers	Annual energy consumption test	Cl.10.5 of IS 17681: 2022
232.	Bottled Water Dispensers	Freeze-up test	Cl.10.6 of IS 17681: 2022
233.	Bottled Water Dispensers	Door opening and closing test	Cl.10.7 of IS 17681: 2022
234.	Bottled Water Dispensers	Door seal test	Cl.10.8 of IS 17681: 2022
235.	Bottled Water Dispensers	Pull-down test	Cl.10.9 of IS 17681: 2022
236.	Bottled Water Dispensers	Marking and instructions	Cl.11 of IS 17681: 2022
237.	Refrigerated Display Cabinets	Cabinet families and types	Cl. 3.1 of IS 16672 (P-1):2017/ ISO 23953-1:2015
238.	Refrigerated Display Cabinets	Refrigerated display cabinet shapes	Cl. 3.2 of IS 16672 (P-1):2017/ ISO 23953-1:2015
239.	Refrigerated Display Cabinets	Parts of Refrigerated display cabinet	Cl. 3.3 of IS 16672 (P-1):2017/ ISO 23953-1:2015
240.	Refrigerated Display Cabinets	Dimensional characteristics	Cl. 3.4 of IS 16672 (P-1):2017/ ISO 23953-1:2015
241.	Refrigerated Display Cabinets	Operating Characteristics	Cl. 3.5 of IS 16672 (P-1):2017/ ISO 23953-1:2015
242.	Refrigerated Display Cabinets	Test Environment	Cl. 3.6 of IS:16672 (P-1):2017/ ISO 23953-1:2015

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

www.qai.org.in



21 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
243.	Refrigerated Display Cabinets	General	Cl. 3.7 of IS 16672 (P-1):2017/ ISO 23953-1:2015
244.	Refrigerated Display Cabinets	Requirements	Cl. 4 of IS 16672 (P- 2):2017/ ISO 23953-1: 2015
245.	Refrigerated Display Cabinets	Construction	Cl. 4.1 of IS 16672 (P-2):2017/ ISO 23953-1:2015
246.	Refrigerated Display Cabinets	Operating characteristics	Cl. 4.2 of IS 16672(P-2): 2017/ ISO 23953-1:2015
247.	Refrigerated Display Cabinets	Tests	Cl. 5.1 of IS 16672 (P-2):2017/ISO 23953-1:2015
248.	Refrigerated Display Cabinets	Test outside test room	Cl. 5.2 of IS 16672 (P-2):2017/ ISO 23953-1:2015
249.	Refrigerated Display Cabinets	Seal test for doors and lids on low temperature applications	Cl. 5.2.1 of IS 16672 (P- 2): 2017/ ISO 23953-1:2015
250.	Refrigerated Display Cabinets	Linear dimensions, area	Cl.5.2.2 of IS 16672 (P-2): 2017/ ISO 23953-1:2015
251.	Refrigerated Display Cabinets	Test inside test room	Cl. 5.3 of IS 16672 (P-2):2017/ ISO 23953-1:2015
252.	Refrigerated Display Cabinets	General conditions	Cl. 5.3.1 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
253.	Refrigerated Display Cabinets	Preparation of test cabinet and general test procedures	Cl. 5.3.2 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
254.	Refrigerated Display Cabinets	Temperature test	Cl. 5.3.3 of IS 16672 (P-2) :2017/ ISO 23953-1:2015

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www.qai.org.in



22 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
255.	Refrigerated Display Cabinets	Water vapour condensation test	Cl. 5.3.4 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
256.	Refrigerated Display Cabinets	Electrical energy consumption test	Cl. 5.3.5 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
257.	Refrigerated Display Cabinets	Heat extension rate measurement when condensing unit is remote from cabinet	Cl. 5.3.6 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
258.	Refrigerated Display Cabinets	Tests	Cl. 6.1 of IS 16672 (P-2):2017/ ISO 23953-1:2015
259.	Refrigerated Display Cabinets	Tests outside test room	Cl. 6.2 of IS 16672 (P-2):2017/ ISO 23953-1: 2015
260.	Refrigerated Display Cabinets	Seal test of doors and lids	Cl. 6.2.1 of IS: 16672 (P-2) :2017/ ISO 23953-1:2015
261.	Refrigerated Display Cabinets	Linear dimensions, areas and volumes	Cl. 6.2.2 of IS 16672 (P-2) :2017/ ISO 23953-2: 2015
262.	Refrigerated Display Cabinets	Test for absence of odour and taste	Cl. 6.2.3 & Annex C of IS 16672 (P-2):2017/ ISO 23953-2: 2015
263.	Refrigerated Display Cabinets	Test inside test room	Cl. 6.3 of IS 16672 (P-2):2017/ ISO 23953-2: 2015
264.	Refrigerated Display Cabinets	General test conditions	Cl. 6.3.1 of IS 16672 (P-2):2017/ ISO 23953-1:2015
265.	Refrigerated Display Cabinets	Cabinet preparation	Cl. 6.3.2 of IS 16672 (P-2) :2017/ ISO 23953-2: 2015

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www.qai.org.in



23 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
266.	Refrigerated Display Cabinets	Temperature test	Cl. 6.3.3 of IS 16672 (P-2) :2017/ ISO 23953-2: 2015
267.	Refrigerated Display Cabinets	Water vapour condensation test	Cl. 6.3.4 of IS 16672 (P-2) :2017/ ISO 23953-1:2015
268.	Refrigerated Display Cabinets	Electrical energy consumption test	Cl. 6.3.5 of IS 16672 (P-2) :2017/ ISO 23953-2:2015
269.	Refrigerated Display Cabinets	Heat extension rate measurement when condensing unit is remote from cabinet	Cl. 6.3.6 of IS 16672 (P-2):2017/ ISO 23953-2:2015
270.	Refrigerated Display Cabinets	Marking	Cl. 7 of IS 16672 (P-2):2017/ ISO 23953-2:2015
271.	Refrigerated Display Cabinets	Load limit	Cl. 7.1 of IS 16672 (P-2):2017/ ISO 23953-1:2015
272.	Refrigerated Display Cabinets	Marking plate	Cl. 7.2 of IS 16672 (P-2):2017/ ISO 23953-1:2015
273.	Refrigerated Display Cabinets	Informa action to be supplied by the manufacturer	Cl. 7.3 of IS 16672 (P-2):2017/ ISO 23953-1:2015
274.	Refrigerated Display Cabinets	Total display area (TDA)	Annex A of IS 16672 (P-2) :2017/ ISO 23953-1: 2015
275.	Refrigerated Display Cabinets	Comparison between laboratory and in-store conditions	Annex B of IS 16672 (P-2) :2017/ ISO 23953-2: 2015
276.	Refrigerated Display Cabinets	Performance and energy rating of commercial refrigerated display cabinets	Annex D of IS 16672(P-2): 2017/ ISO 23953-1:2015

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www.qai.org.in



24 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
277.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Construction	Cl. 4 of IS 16240:2023
278.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Materials	Cl. 5 of IS 16240:2023
279.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Performance requirements	Cl. 6 of IS 16240:2023
280.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	General	Cl. 6.1 of IS 16240:2023
281.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Reject Water Control Mechanism	Cl. 6.2 of IS 16240:2023
282.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Performance	Cl. 6.3 of IS 16240:2023
283.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Percent Recovery of Product Water and Hourly Production Rate	Cl. 6.4 of IS 16240:2023
284.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Electrical Safety	Cl. 6.5 of IS 16240: 2023

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www.qai.org.in



25 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
285.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Power supply	Cl. 6.6 of IS 16240 :2023
286.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Pressure Test (Hydrostatic Test) - Type Test	Cl. 6.7 of IS 16240: 2023
287.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Routine Pressure Test (Pneumatic Test)	Cl. 6.8 of IS 16240: 2023
288.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Maintenance of the product	Cl. 8 of IS 16240: 2023
289.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Packaging	Cl. 9 of IS 16240: 2023
290.	Reverse Osmosis Based Point of Use Water Treatment System for Drinking Purposes	Marking	Cl. 10 of IS 16240: 2023
291.	Bottle Coolers	Construction	Cl. 4 of IS 2167: 2019
292.	Bottle Coolers	Measurement of Bottle Cooler Storage Capacity	Cl. 5 of IS 2167:2019
293.	Bottle Coolers	Tests	Cl. 6 of IS 2167:2019
294.	Bottle Coolers	Type Tests	Cl. 6.1 of IS 2167:2019
295.	Bottle Coolers	Capacity rating test	Cl. 6.1 f of IS 2167:2019

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www.qai.org.in



26 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
296.	Bottle Coolers	Thermal insulation test	Cl. 6.1 a of IS 2167:2019
297.	Bottle Coolers	Insulation resistance test	Cl. 6.1.b & 6.2 a of IS 2167:2019
298.	Bottle Coolers	High voltage test	Cl. 6.1 c & Cl. 6.2 c of IS 2167:2019
299.	Bottle Coolers	No load performance test	Cl. 6.1 d of IS 2167:2019
300.	Bottle Coolers	Percentage running time test	Cl. 6.1 e of IS 2167:2019
301.	Bottle Coolers	Production Routine Test	Cl. 6.2 of IS 2167:2019
302.	Bottle Coolers	Performance test	Cl. 6.2 b of IS 2167:2019
303.	Bottle Coolers	Preparation and Test Conditions for Type Tests	Cl. 6.3 of IS 2167:2019
304.	Bottle Coolers	Procedure for Type Tests	Cl. 6.5 of IS 2167:2019
305.	Bottle Coolers	Marking and Information	Cl. 7 of IS 2167:2019
306.	Bottle Coolers	Maximum operating condition test	Cl. 6.1 g of IS 2167:2019
307.	Safety of Household and Similar Electrical appliance	Classification	Cl.6 of IS 302 (Part 1):2024/ IEC 60335-1:2020
308.	Safety of Household and Similar Electrical appliance	Marking and Instruction	Cl.7 of IS 302 (Part 1):2024/ IEC 60335-1:2020
309.	Safety of Household and Similar Electrical appliance	Protection against access to live Parts	Cl.8 of IS 302 (Part 1):2024/ IEC 60335-1:2020
310.	Safety of Household and Similar Electrical appliance	Starting of Motor Operated Appliances	Cl.9 of IS 302 (Part 1):2024/ IEC 60335-1:2020
311.	Safety of Household and Similar Electrical appliance	Power Input & Current	Cl.10 of IS 302 (Part 1):2024/ IEC 60335-1:2020

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

www.qai.org.in



27 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
312.	Safety of Household and Similar Electrical appliance	Heating	Cl.11 of IS 302 (Part 1):2024/ IEC 60335-1:2020
313.	Safety of Household and Similar Electrical appliance	Leakage Current & Electric Strength of operating Temperature	Cl.13 of IS 302 (Part 1):2024/ IEC 60335-1:2020
314.	Safety of Household and Similar Electrical appliance	Transient Over Voltages	Cl.14 of IS 302 (Part 1):2024/ IEC 60335-1:2020
315.	Safety of Household and Similar Electrical appliance	Moisture Resistance	Cl.15 of IS 302 (Part 1):2024/ IEC 60335-1:2020
316.	Safety of Household and Similar Electrical appliance	Leakage Current and Electric Strength	Cl.16 of IS 302 (Part 1):2024/ IEC 60335-1:2020
317.	Safety of Household and Similar Electrical appliance	Overload Protection of Transformers & Associated Circuits	Cl.17 of IS 302 (Part 1):2024/ IEC 60335-1:2020
318.	Safety of Household and Similar Electrical appliance	Endurance	Cl.18 of IS 302 (Part 1):2024/ IEC 60335-1:2020
319.	Safety of Household and Similar Electrical appliance	Abnormal Operation	Cl.19 of IS 302 (Part 1):2024/ IEC 60335-1:2020
320.	Safety of Household and Similar Electrical appliance	Stability & Mechanical Hazards	Cl.20 of IS 302 (Part 1):2024/ IEC 60335-1:2020
321.	Safety of Household and Similar Electrical appliance	Mechanical Strength	Cl.21 of IS 302 (Part 1):2024/ IEC 60335-1:2020
322.	Safety of Household and Similar Electrical appliance	Construction	Cl.22 of IS 302 (Part 1):2024/ IEC 60335-1:2020

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www.qai.org.in



28 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
323.	Safety of Household and Similar Electrical appliance	Internal Wiring	Cl.23 of IS 302 (Part 1):2024/ IEC 60335-1:2020
324.	Safety of Household and Similar Electrical appliance	Component	Cl.24 of IS 302 (Part 1):2024/ IEC 60335-1:2020
325.	Safety of Household and Similar Electrical appliance	Supply Connection and External Flexible Cords	Cl.25 of IS 302 (Part 1):2024/ IEC 60335-1:2020
326.	Safety of Household and Similar Electrical appliance	Terminal for External Conductor	Cl.26 of IS 302 (Part 1):2024/ IEC 60335-1:2020
327.	Safety of Household and Similar Electrical appliance	Provision for Earthing	Cl.27 of IS 302 (Part 1):2024/ IEC 60335-1:2020
328.	Safety of Household and Similar Electrical appliance	Screw and Connections	Cl.28 of IS 302 (Part 1):2024/ IEC 60335-1:2020
329.	Safety of Household and Similar Electrical appliance	Clearances, Creepage Distance and solid Insulation	Cl.29 of IS 302 (Part 1):2024/ IEC 60335-1:2020
330.	Safety of Household and Similar Electrical appliance	Resistance to Heat and Fire	Cl.30 of IS 302 (Part 1):2024/ IEC 60335-1:2020
331.	Safety of Household and Similar Electrical appliance	Resistance to Rusting	Cl.31 of IS 302 (Part 1):2024/ IEC 60335-1:2020
332.	Safety of Household and Similar Electrical appliance	Radiation, Toxicity and Similar Hazards	Cl.32 of IS 302 (Part 1):2024/ IEC 60335-1:2020
333.	Domestic Electric Clothes Washing machine	Classification	Cl.6 of IS 302-2-7 :2024
334.	Domestic Electric Clothes Washing machine	Marking and Instruction	Cl.7 of IS 302-2-7 :2024

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www.qai.org.in



29 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
335.	Domestic Electric Clothes Washing machine	Protection against access to live parts	Cl.8 of IS 302-2-7 :2024
336.	Domestic Electric Clothes Washing machine	Starting of Motor operated appliances	Cl.9 of IS 302-2-7 :2024
337.	Domestic Electric Clothes Washing machine	Power Input and Current	Cl.10 of IS 302-2-7 :2024
338.	Domestic Electric Clothes Washing machine	Heating	Cl.11 of IS 302-2-7 :2024
339.	Domestic Electric Clothes Washing machine	Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302-2-7 :2024
340.	Domestic Electric Clothes Washing machine	Transient Over Voltage	Cl.14 of IS 302-2-7 :2024
341.	Domestic Electric Clothes Washing machine	Moisture Resistance	Cl.15 of IS 302-2-7 :2024
342.	Domestic Electric Clothes Washing machine	Leakage Current and Electric Strength	Cl.16 of IS 302-2-7 :2024
343.	Domestic Electric Clothes Washing machine	Overload Protection of Transformers and associated circuits	Cl.17 of IS 302-2-7 :2024
344.	Domestic Electric Clothes Washing machine	Endurance	Cl.18 of IS 302-2-7 :2024
345.	Domestic Electric Clothes Washing machine	Abnormal Operation	Cl.19 of IS 302-2-7 :2024

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

www.qai.org.in



30 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
346.	Domestic Electric Clothes Washing machine	Stability & Mechanical Hazards	Cl.20 of IS 302-2-7 :2024
347.	Domestic Electric Clothes Washing machine	Mechanical Strength	Cl.21 of IS 302-2-7 :2024
348.	Domestic Electric Clothes Washing machine	Construction	Cl.22 of IS 302-2-7 :2024
349.	Domestic Electric Clothes Washing machine	Internal Wiring	Cl.23 of IS 302-2-7 :2024
350.	Domestic Electric Clothes Washing machine	Component	Cl.24 of IS 302-2-7 :2024
351.	Domestic Electric Clothes Washing machine	Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-7 :2024
352.	Domestic Electric Clothes Washing machine	Terminals for External Conductors	Cl.26 of IS 302-2-7 :2024
353.	Domestic Electric Clothes Washing machine	Provision for Earthing	Cl.27 of IS 302-2-7 :2024
354.	Domestic Electric Clothes Washing machine	Screw and Connections	Cl.28 of IS 302-2-7 :2024
355.	Domestic Electric Clothes Washing machine	Clearances, creepage Distance and Solid Insulation	Cl.29 of IS 302-2-7 :2024
356.	Domestic Electric Clothes Washing machine	Resistance to Heat and Fire	Cl.30 of IS 302-2-7 :2024
357.	Domestic Electric Clothes Washing machine	Resistance to Rusting	Cl.31 of IS 302-2-7 :2024

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

www.qai.org.in



31 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
358.	Domestic Electric Clothes Washing machine	Radiation, toxicity and similar Hazards	Cl.32 of IS 302-2-7 :2024
359.	Drinking Water Coolers	Classification	Cl.4 of IS 1475: 2024
360.	Drinking Water Coolers	Construction	Cl.5 of IS 1475: 2024
361.	Drinking Water Coolers	Cooling Capacity Tests	Cl.6 of IS 1475: 2024
362.	Drinking Water Coolers	Cooling Capacity Rating Test	Cl.6.3 of IS 1475: 2024
363.	Drinking Water Coolers	Maximum Operating Condition Test	Cl.6.4 of IS 1475: 2024
364.	Drinking Water Coolers	Pull Down Test	Cl.6.5 of IS 1475: 2024
365.	Drinking Water Coolers	Maximum Power Consumption Test	Cl.9 of IS 1475: 2024
366.	Drinking Water Coolers	Annual Energy Consumption Test	Cl.10 of IS 1475: 2024
367.	Drinking Water Coolers	Storage Capacity Test	Cl.11 of IS 1475: 2024
368.	Drinking Water Coolers	Functional Test	Cl.13 of IS 1475: 2024
369.	Drinking Water Coolers	Schedule of tests	Cl.14 of IS 1475: 2024
370.	Drinking Water Coolers	Marking and information	Cl.15 of IS 1475: 2024
371.	Drinking Water Coolers	Protection against electric Shock	Cl.8 of IS 302-1: 2024
372.	Drinking Water Coolers	High Voltage Test	Cl.13.3 of IS 302-1: 2024
373.	Drinking Water Coolers	Leakage Current Test	Cl.13.2 of IS 302-1: 2024

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

www.qai.org.in



32 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
1.	Rigid Plastic	Base Density	Cl. 5 of IS 2530: 1963
2.	HDPE Pipe	Thermal Stability	Cl. 5.2 and 6.1.1 of IS 4984: 2016
3.	HDPE Pipe	Volatile Matter	Cl. 5.2 and 6.1.1 of IS 4984: 2016
4.	HDPE Pipe	Water Content	Cl. 5.2 and 6.1.1 of IS 4984: 2016
5.	HDPE Pipe	Anti-oxidant	Cl. 5.4 of IS 4984: 2016
6.	HDPE Pipe	Pipe Description	Cl. 6 of IS 4984: 2016
7.	HDPE Pipe	Colour	Cl. 6.2 of IS 4984: 2016
8.	HDPE Pipe	Length	Cl. 7.2 of IS 4984: 2016
9.	HDPE Pipe	Coiling	Cl. 7.3 of IS 4984: 2016
10.	HDPE Pipe	Ovality	Cl. 7.1.4.2 of IS 4984: 2016
11.	HDPE Pipe	Hydraulic Characteristics	Cl. 8.1 of IS 4984: 2016
12.	HDPE Pipe	Oxidation Induction Time	Cl. 8.5 of IS 4984: 2016
13.	HDPE Pipe	Overall Migration	Cl. 8.6 of IS 4984: 2016
14.	HDPE Pipe	Density	Cl. 8.7 of IS 4984: 2016
15.	HDPE Pipe	Tensile strength for butt fusion	Cl. 8.8 of IS 4984: 2016
16.	HDPE Pipe	Slow Crack Growth Rate	Cl. 8.10 of IS 4984: 2016
17.	HDPE Pipe	Melt Flow Rate	Cl. 8.4 of IS 4984: 2016
18.	HDPE Pipe	Elongation at Break	Cl. 8.9 of IS 4984: 2016
19.	HDPE Pipe	Carbon Black Content	Cl. 8.4 of IS 4984: 2016
20.	HDPE Pipe	Carbon black Dispersion	Cl. 8.3 of IS 4984: 2016
21.	HDPE Pipe	Oxidation Induction	Cl. 8.5 of IS 4984: 2016
22.	HDPE Pipe	Internal Pressure Creep Rupture Test	Cl. 8.1.2 of IS 4984: 2016
23.	UPVC Pipe	Classification of Pipe	Cl. 5 of IS 4985: 2021
24.	UPVC Pipe	Dimensions	Cl. 7 of IS 4985: 2021

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www.qai.org.in



33 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

Kh. No. 45/23/1, Ground Floor, Village & Post Office Village Prahaladpur,
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QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
25.	UPVC Pipe	Sealing Rings	Cl. 7.2 of IS 4985: 2021
26.	UPVC Pipe	Pipe ends	Cl. 9 of IS 4985: 2021
27.	UPVC Pipe	Visual Appearance	Cl. 10.1 of IS 4985: 2021
28.	UPVC Pipe	Chemical characteristics	Cl. 10 of IS 4985: 2021
29.	UPVC Pipe	Opacity	Cl. 10.2 of IS 4985: 2021
30.	UPVC Pipe	Effect on water	Cl. 10.3 of IS 4985: 2021
31.	UPVC Pipe	Reversion test	Cl. 10.4 of IS 4985: 2021
32.	UPVC Pipe	Vicat softening temperature	Cl. 10.5 of IS 4985: 2021
33.	UPVC Pipe	Density	Cl. 10.6 of IS 4985: 2021
34.	UPVC Pipe	Sulphated ash content test	Cl. 10.7 of IS 4985: 2021
35.	UPVC Pipe	Hydrostatic characteristics	Cl. 11 of IS 4985: 2021
36.	UPVC Pipe	Resistance to external blows at 0 degree	Cl. 11.2 of IS 4985: 2021
37.	CPVC Pipe	Classification of Pipe	Cl. 5 of IS 15778: 2007
38.	CPVC Pipe	Resin	Cl. 6.2 of IS 15778: 2007
39.	CPVC Pipe	Compound Properties	Cl. 6.3 of IS 15778: 2007
40.	CPVC Pipe	Verification of the malfunction Temperature	Cl. 6.3.2 of IS 15778: 2007
41.	CPVC Pipe	Density	Cl. 6.3.3 of IS 15778: 2007
42.	CPVC Pipe	Dimensions of Pipes	Cl. 7 of IS 15778: 2007
43.	CPVC Pipe	Pipe Ends	Cl. 8 of IS 15778: 2007
44.	CPVC Pipe	Visual Appearance	Cl. 9 of IS 15778: 2007
45.	CPVC Pipe	Opacity	Cl. 9.2 of IS 15778: 2007
46.	CPVC Pipe	Effect on Water	Cl.9.3 of IS 15778: 2007
47.	CPVC Pipe	Reversion Test	Cl.9.4 of IS 15778: 2007

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www.qai.org.in



34 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
48.	CPVC Pipe	Vicat Softening Temperature	Cl.9.5 of IS 15778: 2007
49.	CPVC Pipe	Hydrostatic Characteristics	Cl.10.1 of IS 15778: 2007
50.	CPVC Pipe	Thermal Stability by Hydrostatic Pressure Testing	Cl.10.2 of IS 15778: 2007
51.	CPVC Pipe	Resistance to external Blow at zero degree	Cl.10.3 of IS 15778: 2007
52.	CPVC Pipe	Flattening Test	Cl.10.4 of IS 15778: 2007
53.	CPVC Pipe	Tensile Strength	Cl.10.5 of IS 15778: 2007



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
1.	Direct Evaporative Air Cooler	Construction	Cl. 5 of IS 3315: 2024
2.	Direct Evaporative Air Cooler	Rating Requirement - Rating	Cl. 6 of IS 3315: 2024
3.	Direct Evaporative Air Cooler	Rating Requirement - Frequency	Cl. 6 of IS 3315: 2024
4.	Direct Evaporative Air Cooler	Test Conditions	Cl. 7 of IS 3315: 2024
5.	Direct Evaporative Air Cooler	Stable Operating Conditions	Cl. 7.8 of IS 3315: 2024
6.	Direct Evaporative Air Cooler	Performance Requirement	Cl. 8 of IS 3315: 2024
7.	Direct Evaporative Air Cooler	Sound Test	Cl. 8.2 of IS 3315: 2024
8.	Direct Evaporative Air Cooler	Power Consumption	Cl. 8.5 of IS 3315: 2024
9.	Direct Evaporative Air Cooler	EER Calculation Method	Cl. 8.6 of IS 3315: 2024
10.	Direct Evaporative Air Cooler	Drop Test	Cl. 8.7 of IS 3315: 2024
11.	Direct Evaporative Air Cooler	Air Cooler Blower/ Fan Reliability Test	Cl. 8.8 of IS 3315: 2024
12.	Direct Evaporative Air Cooler	High Revolution per Minute	Cl. 8.8(a) of IS 3315: 2024
13.	Direct Evaporative Air Cooler	Endurance Test	Cl. 8.8(b) of IS 3315: 2024
14.	Direct Evaporative Air Cooler	Creep Test	Cl. 8.8 © of IS 3315: 2024
15.	Direct Evaporative Air Cooler	Accuracy of Instrument	Cl. 9 of IS 3315: 2024
16.	Direct Evaporative Air Cooler	Test Chamber	Cl. 10 of IS 3315: 2024
17.	Direct Evaporative Air Cooler	Calculation of Air Flow	Cl. 11 of IS 3315: 2024
18.	Direct Evaporative Air Cooler	Test	Cl. 12 of IS 3315: 2024
19.	Direct Evaporative Air Cooler	Type tests	Cl. 12.b) & 12.3 of IS 3315: 2024
20.	Direct Evaporative Air Cooler	Classification of Tests	Cl. 12.1 of IS 3315: 2024
21.	Direct Evaporative Air Cooler	Routine tests	Cl. 12.1.a) of IS 3315: 2024
22.	Direct Evaporative Air Cooler	Routine Tests	Cl. 12.2 of IS 3315: 2024
23.	Direct Evaporative Air Cooler	General Running Test	Cl. 12.2.1 of IS 3315: 2024

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

www.qai.org.in



36 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Heating, Ventilating, and Air Conditioning (HVAC)		
24.	Direct Evaporative Air Cooler	Protection Against Electric shock	Cl. 12.2.2 of IS 3315: 2024
25.	Direct Evaporative Air Cooler	Earthling Connections tests	Cl. 12.2.5 of IS 3315: 2024
26.	Direct Evaporative Air Cooler	Finish	Cl. 12.2.6 of IS 3315: 2024
27.	Direct Evaporative Air Cooler	Air delivery test	Cl. 12.3.b) & 8.3 of IS 3315: 2024
28.	Direct Evaporative Air Cooler	Cooling Efficiency	Cl. 12.3.c) & 8.4 of IS 3315: 2024
29.	Direct Evaporative Air Cooler	Power consumption test	Cl. 12.3.d) & 8.5 of IS 3315: 2024
30.	Direct Evaporative Air Cooler	High Voltage Test	Cl. 12.2.3 of IS 3315: 2024
31.	Direct Evaporative Air Cooler	Leakage current	Cl. 12.2.4 of IS 3315: 2024
32.	Direct Evaporative Air Cooler	Noise Level	Cl. 13 of IS 3315: 2024
33.	Direct Evaporative Air Cooler	Energy Consumption	Cl. 13.5 of IS 3315: 2024
34.	Direct Evaporative Air Cooler	Calculation of Air flow &	Annex B of IS 3315: 2024

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

www.qai.org.in



37 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

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

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

www.qai.org.in



38 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
13.	Protective helmet for two wheelers riders	Impact Absorption Test	Cl.7.2 of IS 4151: 2015
14.	Protective helmet for two wheelers riders	Rigidity test	Cl.7.3 of IS 4151: 2015
15.	Protective helmet for two wheelers riders	Test for projection and surface friction	Cl.7.4 of IS 4151: 2015
16.	Protective helmet for two wheelers riders	Dynamic test of retention system	Cl.7.5 of IS 4151: 2015
17.	Protective helmet for two wheelers riders	Audibility Test	Cl.7.6 of IS 4151: 2015
18.	Protective helmet for two wheelers riders	Retention (Detaching) Test of Helmet	Cl.7.7 of IS 4151: 2015
19.	Protective helmet for two wheelers riders	Micro slip test	Cl.7.8 of IS 4151: 2015
20.	Protective helmet for two wheelers riders	Test for resistance to abrasion of the chin strap	Cl.7.9 of IS 4151: 2015
21.	Protective helmet for two wheelers riders	Test for retention system relaying on quick release mechanism	Cl.7.10 of IS 4151: 2015
22.	Visor	Material	Cl. 3.1 of IS 9973: 1981
23.	Visor	Design	Cl.4.1 of IS 9973: 1981
24.	Visor	Impact Resistance	Cl.5.1 of IS 9973:1981
25.	Visor	Penetration Resistance	Cl. 5.2 of IS 9973: 1981
26.	Visor	Flammability	Cl.5.3 of IS 9973: 1981

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

www.qai.org.in



39 of 42

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
27.	Visor	Distortion	Cl.5.4 of IS 9973: 1981
28.	Visor	Spherical And Cylindrical Error	Cl.5.4.2 of IS 9973: 1981
29.	Visor	Prismatic Error	Cl.5.4.3 of IS 9973: 1981
30.	Visor	Diffuse Transmittance	Cl.5.4.4 of IS 9973: 1981
31.	Visor	Light Transmittance	Cl.5.4.5 of IS 9973: 1981
32.	Visor	Field of vision	Cl.5.5.1 of IS 9973: 1981
33.	Visor	Mass	Cl.7.1 of IS 9973: 1981
34.	Industrial safety Helmet	Harness	Cl. 3.2 of IS 2925 :1984
35.	Industrial safety Helmet	Metal Parts	Cl.3.3 of IS 2925 :1984
36.	Industrial safety Helmet	Sizes	Cl.4 of IS 2925 :1984
37.	Industrial safety Helmet	Construction	Cl.5 of IS 2925 :1984
38.	Industrial safety Helmet	Harness	Cl.5.2 of IS 2925 :1984
39.	Industrial safety Helmet	Chin strap or Nape Strap	Cl.5.3 of IS 2925 :1984
40.	Industrial safety Helmet	Lamp Bracket	Cl.5.4 of IS 2925 :1984
41.	Industrial safety Helmet	Cable Clip	Cl.5.5 of IS 2925 :1984
42.	Industrial safety Helmet	Workmanship and Finish	Cl.6 of IS 2925 :1984
43.	Industrial safety Helmet	Mass	Cl.7 of IS 2925 :1984
44.	Industrial safety Helmet	Shock Absorption Resistance	Cl.8.1 of IS 2925 :1984
45.	Industrial safety Helmet	Penetration Resistance	Cl.8.2 of IS 2925 :1984
46.	Industrial safety Helmet	Flammability Resistance	Cl.8.3 of IS 2925 :1984
47.	Industrial safety Helmet	Electrical Resistance	Cl.8.4 of IS 2925 :1984
48.	Industrial safety Helmet	Water Absorption	Cl.8.5 of IS 2925 :1984
49.	Industrial safety Helmet	Heat Resistance	Cl.8.6 of IS 2925 :1984

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

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40 of 42

Quality And Accreditation Institute

Centre for International Accreditation

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Scope of Accreditation

Samridhi Test House Private Limited

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

QAI/CIA/TL/2024/0083

Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

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

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41 of 42

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Valid from: 29 October 2024

Valid until: 28 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/ Safety Test		
62.	Non- Metal Helmet for Police Force	Firing Test	Cl.9.7 of IS 9562: 1980
63.	Non- Metal Helmet	Material	Cl.3 of IS 2745: 1983
64.	Non- Metal Helmet	Sizes	Cl.4 of IS 2745: 1983
65.	Non- Metal Helmet	General	Cl.5.1 of IS 2745: 1983
66.	Non- Metal Helmet	Shell	Cl.5.2 of IS 2745: 1983
67.	Non- Metal Helmet	Retention System	Cl.5.3 of IS 2745: 1983
68.	Non- Metal Helmet	Workmanship and Finish	Cl.6 of IS 2745: 1983
69.	Non- Metal Helmet	Shock Absorption Test	Cl.9.1 of IS 2745: 1983
70.	Non- Metal Helmet	Penetration Resistance	Cl.9.2 of IS 2745: 1983
71.	Non- Metal Helmet	Strength of Retention system	Cl.9.3 of IS 2745: 1983
72.	Non- Metal Helmet	Electrical Resistance	Cl.9.4 of IS 2745: 1983
73.	Non- Metal Helmet	Water absorption Test	Cl.9.5 of IS 2745: 1983
74.	Non- Metal Helmet	Flammability Resistance	Cl.9.6 of IS 2745: 1983
75.	Non- Metal Helmet	Visor Screen	Cl. 3.1 of IS 9995: 1981
76.	Non- Metal Helmet	Construction	Cl. 4 of IS 9995: 1981
77.	Non- Metal Helmet	Workmanship and Finish	Cl. 5 of IS 9995: 1981
78.	Non- Metal Helmet	Mass	Cl. 6 of IS 9995: 1981

