National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRODUCT DEVELOPMENT CENTER TESTING LAB, WESTERN REFRIGERATION PVT. LTD., SURVEY NO. 19/5, 21/1/P,22/2/P, 48/6/P1 & 49/3, UMBERGAON, VALSAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9893 **Page No** 1 of 3

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 27/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial refrigerator (Up to 2000 Litres)	Energy Utilization Test (EUT)	WRL/LTP/01, Issue 02
2	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial refrigerator (Up to 2000 Litres)	Half Reload Recovery Test (HRRT)	WRL/LTP/03, Issue 02
3	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Clearance	IEC 60335-1 (Clause No. 29); IEC 60335-2-24 (Clause No: 29)
4	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Clearance	IEC 60335-1 (Clause No. 29); IEC 60335-2-89 (Clause No: 29)
5	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Clearance	IS 302-1 + A1 + A2 + A3 + A4 (Clause No: 29); IS 302:Part 2:Sec 24 (Clause No: 29)
6	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Clearance	IS 302-1 + A1 + A2 + A3 + A4 (Clause No: 29); IS/IEC 60335:Part 2 :Sec 89 (Clause No: 29)
7	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Creepage	IEC 60335-1 (Clause No. 29); IEC 60335-2-24 (Clause No: 29)
8	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Creepage	IEC 60335-1 (Clause No. 29); IEC 60335-2-89 (Clause No: 29)
9	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Creepage	IS 302-1 + A1 + A2 + A3 + A4 (Clause No: 29); IS 302:Part 2:Sec 24 (Clause No: 29)
10	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Creepage	IS 302-1 + A1 + A2 + A3 + A4 (Clause No: 29); IS/IEC 60335:Part 2:Sec 89 (Clause No:29)
11	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Gross Volume	IS 7872
12	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IEC 60335-1(Clause No. 13); IEC 60335-2-24 (Clause No: 13
13	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IEC 60335-1(Clause No. 13); IEC 60335-2-24 (Clause No: 13)
14	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IEC 60335-1(Clause No. 13); IEC 60335-2-24 (Clause No: 13)

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Certificate Number TC-9893 **Page No** 2 of 3

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15	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IEC 60335-1(Clause No. 13); IEC 60335-2-24 (Clause No: 13)
16	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IEC 60335-1(Clause No. 13); IEC 60335-2-89 (Clause No: 13)
17	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IEC 60335-1(Clause No. 13); IEC 60335-2-89 (Clause No: 13)
18	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IEC 60335-1(Clause No. 13); IEC 60335-2-89 (Clause No: 13)
19	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IEC 60335-1(Clause No. 13); IEC 60335-2-89 (Clause No: 13)
20	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IS 302-1+ A1+ A2+ A3+ A4 (Clause No: 13); IS 302:Part 2:Sec 24 (Clause No: 13)
21	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IS 302-1+ A1+ A2+ A3+ A4 (Clause No: 13); IS 302:Part 2:Sec 24 (Clause No: 13)
22	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IS 302-1+ A1+ A2+ A3+ A4 (Clause No: 13); IS/IEC 60335:Part 2:Sec 89 (Clause No: 13)
23	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IS 302-1+ A1+ A2+ A3+ A4(Clause No: 13); IS/IEC 60335:Part 2:Sec 89 (Clause No: 13)
24	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IS 302-1+ A1+ A2+ A3+ A4(Clause No: 13); IS/IEC 60335:Part 2:Sec 89 (Clause No: 13)
25	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IS 302-1+ A1+ A2+ A3+ A4(Clause No: 13); IS/IEC 60335:Part 2:Sec 89 (Clause No: 13)
26	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IS 302-1+ A1+A2+ A3+A4 (Clause No: 13); IS 302:Part 2:Sec 24 (Clause No: 13)

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27	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Leakage Current and Electric Strength at Operating Temperature	IS 302-1+A1+A2+A3+A4 (Clause No: 13); IS 302:Part 2:Sec 24 (Clause No: 13)
28	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	No Load Energy Consumption	IS 7872
29	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Protection against Electrical Shock	IEC 60335-1 (Clause No. 8); IEC 60335-2-24 (Clause No: 8)
30	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Protection against Electrical Shock	IEC 60335-1(Clause No. 8); IEC 60335-2-89 (Clause No: 8)
31	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Protection against Electrical Shock	IS 302-1+ A1+ A2+ A3+ A4 (Clause No: 8); IS/IEC 60335:Part 2:Sec 89 (Clause No: 8)
32	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Protection against Electrical Shock	IS 302-1+ A1+ A2+ A3+ A4(Clause No: 8); IS 302:Part 2:Sec 24 (Clause No: 8)
33	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Provision for Earthing	IEC 60335-1(Clause No. 27); IEC 60335-2-24 (Clause No: 27)
34	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Provision for Earthing	IEC 60335-1(Clause No. 27); IEC 60335-2-89 (Clause No: 27)
35	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Provision for Earthing	IS 302-1+ A1+ A2+ A3+ A4(Clause No: 27); IS 302:Part 2:Sec 24 (Clause No: 27)
36	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Provision for Earthing	IS 302-1+ A1+ A2+ A3+ A4(Clause No: 27); IS/IEC 60335:Part 2 :Sec 89 (Clause No: 27)
37	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Pull Down Time	IS 7872
38	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Deep Freezer (Up to 1000 Litres)	Storage Volume (Net Volume)	IS 7872