

DATE: 18, JULY, 2025

INSPECTION REPORT

PHC Corporation
Biomedical Division
Quality Assurance Department

PRODUCT NAME: ULTRA-LOW TEMPERATURE FREEZER

No. of Issue: MTE25147

Approved	
Issued	N. Arai

Destination : Korea

MODEL	MDF-DU702VH-PK	INSPECTION DATE	25. February. 2025
PRODUCTION DATE	25. February. 2025	SERIAL No.	25020094

1. SPECIFICATIONS

Power source	AC 220V, 60Hz
External dimensions	W 1030 mm × D 882 mm × H 1993 mm
Internal dimensions	W 870 mm × D 600 mm × H 1400 mm
Compressor	Output; 1100W × 2 pcs

2. INSPECTION

No.	INSPECTION ITEMS	STANDARD	RESULTS ★Actual value	JUDGE
1	Pull down speed	AT→ -80°C within 408 min.	234min	OK
2	Lowest reached temperature	less than -87.0°C	-90.1°C	OK
3	Temperature characteristic	When SV is -80°C: Temperature should be -80±3.0°C	-79.2°C	OK
4	Running current	Lower than 6.3A.	5.11A	OK
5	Remote alarm operation	When power cut off, it should be closed between COM-NO.	GOOD	OK
6	Capillary tube Heater operation	It should run every 18 hours.	GOOD	OK
7	Refrigerant leakage	No leakage.	GOOD	OK
8	Electrical insulation test	More than 30M Ω (DC500V)	∞M Ω	OK
9	Withstand voltage	For 3 sec. at 1400 VAC.	GOOD	OK
10	Leak current	Less than 3.5mA	0.211mA	OK
11	Appearance and structure inspection	Comply with Biomedical Division standard.	GOOD	OK
12	Resistance value check	Less than 0.2 Ω	0.09 Ω	OK