INSPECTION & TEST PLAN

Standard ITP — Industrial Refrigeration Package

Standard ITP Template — For Project-Specific Customization

Document No.	LM-ITP-REF-001
Revision	A
Project	[To be specified]
Client	[To be specified]
Equipment	[To be specified]
Design Code	[ASME / PED / GB / Class]
Date	March 2026

Sincerity as Foundation, Integrity as Principal

Version 1.0 · March 2026 · Confidential

Inspection & Test Plan

Inspection Point Legend: H Hold — work stops until released W Witness — inspector invited, work proceeds if absent R Review — document review only M Monitor — Lmart internal monitoring

#	Activity	Reference / Acceptance	Lmart QC	Client	TPI / AI	Records
1. Design Review						
1.1	P&ID review	Project specification	R	R	R	Approved P&ID
1.2	GA drawing review	Client spec / code	R	R	R	Approved GA
1.3	Electrical schematic review	IEC / NEC standards	R	R	R	Approved schematic
1.4	BOM / material list review	Project specification	R	R	R	Approved BOM
2. Material Receiving						
2.1	Mill certificates review	EN 10204 3.1 / 3.2	R	W	M	MTC file
2.2	Incoming PMI	ASTM E1476	R	W	M	PMI report
2.3	Dimensional check	Purchase order / spec	R	W	M	Receiving report
3. Compressor						
3.1	Compressor alignment check	OEM manual / API 686	M	W	M	Alignment report
3.2	Vibration test	ISO 10816 / OEM spec	M	W	M	Vibration report
4. Pressure Vessels						
4.1	Welding — WPS/PQR review	ASME IX / EN ISO 15614	H	W	H	WPS/PQR package
4.2	NDE — RT / UT	ASME V / EN ISO 17636	H	W	H	NDE reports
4.3	Hydrostatic test	ASME VIII / PED	H	W	H	Hydrotest report
5. Piping						
5.1	Pipe fit-up inspection	ASME B31.3 / project spec	W	W	H	Fit-up report
5.2	Piping welding & NDE	ASME IX / ASME V	W	W	H	Weld map, NDE reports
5.3	Piping pressure test	ASME B31.3	W	W	H	Pressure test report
6. Electrical & Instrumentation						
6.1	Cable routing & termination	IEC 60092 / project spec	M	R	M	Cable schedule
6.2	Continuity test	IEC 60204	M	R	M	Test certificate
6.3	Insulation resistance test	IEC 60204	M	R	M	Test certificate

#	Activity	Reference / Acceptance	Lmart QC	Client	TPI / AI	Records
7. Assembly						
7.1	Skid assembly inspection	GA drawing / project spec	W	W	M	Assembly checklist
7.2	Dimensional survey	Approved GA drawing	W	W	M	Dimensional report
8. Factory Acceptance Test (FAT)						
8.1	Performance test	Project spec / design data	H	W	H	FAT report
8.2	Safety device test (PRV, PSV)	ASME / EN / project spec	H	W	H	Safety test report
8.3	Run test (72h or per spec)	Project specification	H	W	H	Run test log
9. Painting & Coating						
9.1	Surface preparation SA 2.5	ISO 8501-1	M	R	M	Surface prep report
9.2	DFT check	Project spec / paint spec	M	R	M	DFT report
10. Packing & Shipping						
10.1	Preservation & packing	Project spec / Lmart SOP	M	R	M	Packing list
10.2	Load-out inspection	Transport plan	M	R	M	Shipping photos

Notes: This is a standard template. Actual inspection points shall be agreed upon between Lmart QC, client, and the Authorized Inspector (AI) / Third-Party Inspector (TPI) prior to manufacturing commencement. Additional hold points may be added per project requirements.