



American Bureau of Shipping

UN Portable Tank/Tank Container Initial Certificate

Certificate N°:
SQ5850407-257

Owner & address	<u>Falcon Lease Pte Ltd</u> <u>60 PAYA LEBAR ROAD, #12-05, PAYA LEBAR SQUARE, SINGAPORE, 409051</u>	Owner No.: <u>FLNU 601607-2</u>
Manufacturer & address	<u>Jing Jiang Asian-Pacific Logistics Equipment Co., Ltd</u> <u>No. 199 Xingang Avenue, JingJiang City, Jiangsu Province, China</u>	Serial No.: <u>2306102</u>
Manufacturer's Model N°: <u>A023E-026-0002</u>		

APPLICABLE RULES, REGULATIONS AND STANDARDS

ABS Design Type N°: <u>AB/124/22</u>	US DOT Identification Code: <u>IA-8101</u>
ABS Approval Ref. N°: <u>T2407245</u>	US DOT Approval: 49 CFR <u>§178.273, §178.274, §178.275</u>
CSC Approval Reference: <u>USA/AB-124/22</u>	IMDG Approval Reference: <u>USA/IMO/AB/124/22</u>
Customs Approval Reference: <u>USA/124-AB/22</u>	Sec. 6.7 ADR/RID Approval Number: <u>NL/AB-124/22</u>
International Union of Railways (UIC): <u>IRS 50592</u>	Sec. 6.8 ADR/RID Approval Number: <u>NL/AB-124/22</u>
Other(s): <u>TC, ISO 668, 1161, 6346, 1496-3</u>	US DoT SP: <u>N/A</u> and/or TC Equiv. Cert.: <u>N/A</u>

CONTAINER CHARACTERISTICS

ISO Size/Type Code: <u>22K2</u>	Width: <u>2438</u> mm	Height: <u>2591</u> mm
Overall Length: <u>6058</u> mm	Tare: <u>3790</u> kg	Max. Permissible Payload: <u>32210</u> kg
Maximum Operating Gross Mass: <u>36000</u> kg	Transverse Racking Test Force: <u>150000</u> newtons	
Allowable Stacking Load for 1.8 g: <u>213360</u> kg		

TANK CHARACTERISTICS

Design Code: <u>ASME BPVC VIII Div. 1 & EN14025</u>	Liquid Capacity at 20°C: <u>25870</u> liters (total)
Overall Tank Length: <u>6029</u> mm	Outside Tank Diameter: <u>2423</u> mm
Head Matl Spec.: <u>SANS 50028-7:1.4402</u>	Head Thickness: <u>4.6</u> mm (as built after forming)
Shell Matl Spec.: <u>SANS 50028-7:1.4402</u>	Shell Thickness: <u>4.6</u> mm (as built)
Equiv. Reference Steel Thickness: <u>6</u> mm	Head Corrosion Allowance: <u>0.2</u> mm
MAWP: <u>4</u> bar	Shell Corrosion Allowance: <u>0.42</u> mm
External Design Pressure: <u>0.41</u> bar	MAWP of Heating System: <u>4</u> bar
Coating/Lining: Type: <u>N/A</u> & Thickness: <u>N/A</u> mm	Design Temperature Range: Min.: <u>-40</u> °C; Max.: <u>130</u> °C
Baffles: <u>N/A</u> Quantity: <u>N/A</u>	Insulation: Type: <u>Rockwool</u> & Thickness: <u>50</u> mm
Discharge: <u>Bottom</u>	Cladding: Type: <u>GRP</u> & Thickness: <u>1.8 / 2.0</u> mm
	Bottom Discharge No. of Closures in Series: <u>3</u>

PRESSURE RELIEF DEVICES

	1 st ; Quantity: <u>1</u>	2 nd ; Quantity: <u>N/A</u>	3 rd ; Quantity: <u>N/A</u>
Manufacturer	<u>PEROLO</u>	==	==
Catalog Number	<u>MX65F44TSP</u>	==	==
Set Pressure	<u>4.4</u> bar	== bar	== bar
Rupture	<u>N/A</u> bar	== bar	== bar
Capacity (each)	<u>4.032</u> m³/s	== m³/s	== m³/s
Total Capacity: <u>4.032</u> m³/s			

SERVICE EQUIPMENT

3" Bottom Discharge, 3" Top Discharge Provision, 3" Spare Provision, 1.5" Air Line, 2.5" Safety Relief Valve, 2.5" Safety Relief Valve Provision.

TESTING INFORMATION

Prototype Test Certificate: <u>SQ5160313-A.R1</u> , dated: <u>25-Mar-2022</u>	Rail Impact Test Certificate/Report: <u>SQ5038404-A</u> , dated: <u>21-Jan-2022</u>
TC Impact Approved: <u>Yes</u>	

PRESSURE TEST

Test Pressure of Tank: <u>6.0</u> bar, dated: <u>21-Jun-2023</u>	Test Pressure of Heating System: <u>6.0</u> bar, dated: <u>20-Jun-2023</u>
Leak Proof Test of Container: <u>1.0</u> bar, dated: <u>23-Jun-2023</u>	

Approved Commodities: Compatibilities commodities as per T11/L4BN

Portable Tank Instruction: T11

ADR/RID Tank Code: L4BN

Marking: 21/06/2023 P AB

CSC Plate Stamping Date: 06/2028 or ACEP N°: N/A

Stamping tank-plate

Next Inspection Date: 12/2025

Additional Information/Comments: The compatibilities between commodities and service equipment/pressure relief devices/vessel/gaskets are the responsibility of the owner. Shipping name/special provisions markings are the responsibility of the owner.

Issued on: 04-Jul-2023 at Jingjiang, Jiangsu, China by Wang, Yuanhao (76000)

Field Office: Shanghai, China

Request Reviewed and NO Conflict of Interest Identified.

Wang Yuanhao

NOTE: This Certificate evidences compliance with one or more of the Rules, guides, standards, or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the Container(s) specified herein has been found to comply with one or more of the Rules, guides, standards, or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any Report issued in connection with this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator, or other entity of any warranty express or implied.