American Bureau of Shipping

UN Portable Tank/Tank Container Initial Certificate

Certificate Nº: SQ5850407-218

Owner & address	Falcon Lease Pte Ltd 60 PAYA LEBAR ROAD, #12-05, PAYA LEBAR SQUARE,SINGAPORE,409051	Owner No.: FLNU 601568-8
Manufacturer & address	Jing Jiang Asian-Pacific Logistics Equipment Co., Ltd No. 199 Xingang Avenue, JingJiang City, Jiangsu Province, China	Serial No.: 2306063
Manufacturer's Model Nº.: A023E-026-0002		

APPLICABLE RULES, REGULATIONS AND STANDARDS

ABS Design Type Nº: AB/124/22
US DOT Identification Code: IA-8101
ABS Approval Ref. Nº: T2407245
US DOT Approval: 49 CFR §178.273, §178.274, §178.275
CSC Approval Reference: USA/AB-124/22
IMDG Approval Reference: USA/IMO/AB/124/22
Customs Approval Reference: USA/124-AB/22
Sec. 6.7 ADR/RID Approval Number: NL/AB-124/22
International Union of Railways (UIC): IRS 50592
Sec. 6.8 ADR/RID Approval Number: NL/AB-124/22
Other(s): TC, ISO 668, 1161, 6346, 1496-3
US DoT SP: N/A and/or TC Equiv. Cert.: N/A

CONTAINER CHARACTERISTICS

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

TANK CHARACTERISTICS

Design Code: ASME BPVC VIII Div. 1 & EN14025
Liquid Capacity at 20ºC: 25910 liters (total)
Overall Tank Length: 6029 mm
Outside Tank Diameter: 2423 mm
Head Matl Spec.: SANS 50028-7:1.4402 Head Thickness: 4.6 mm (as built after forming) Head Corrosion Allowance: 0.2 mm
Shell Matl Spec.: SANS 50028-7:1.4402 Shell Thickness: 4.6 mm (as built) Shell Corrosion Allowance: 0.42 mm
Equiv. Reference Steel Thickness: 6 mm
MAWP: 4 bar
MAWP of Heating System: 4 bar
External Design Pressure: 0.41 bar
Design Temperature Range: Min.: -40 °C; Max.: 130 °C
Coating/Lining: Type: N/A & Thickness: N/A mm
Insulation: Type: Rockwool & Thickness: 50 mm
Baffles: N/A Quantity: N/A
Cladding: Type: GRP & Thickness: 1.8 / 2.0 mm
Discharge: Bottom
Bottom Discharge No. of Closures in Series: 3

PRESSURE RELIEF DEVICES

	1st; Quantity: 1	2nd; Quantity: N/A	3rd; Quantity: N/A
Manufacturer	PEROLO	--	--
Catalog Number	MX65F44TSP	--	--
Set Pressure	4.4 bar	-- bar	-- bar
Rupture	N/A bar	-- bar	-- bar
Capacity (each)	4.032 m^3/s	-- m^3/s	-- m^3/s

Total Capacity: 4.032 m^3/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: SQ5160313-A.R1, dated: 25-Mar-2022
Rail Impact Test Certificate/Report: SQ5038404-A, dated: 21-Jan-2022
TC Impact Approved: Yes

PRESSURE TEST

Test Pressure of Tank: 6.0 bar, dated: 20-Jun-2023
Test Pressure of Heating System: 6.0 bar, dated: 19-Jun-2023
Leak Proof Test of Container: 1.0 bar, dated: 21-Jun-2023

Approved Commodities: Compatibilities commodities as per T11/L4BN
Portable Tank Instruction: T11
ADR/RID Tank Code: L4BN

Marking: 20/06/2023 P
Stamping tank-plate

CSC Plate Stamping Date: 06/2028 or ACEP Nº.: N/A
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.