Certificate No:
TAS00003FK

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
64 Cylinder Rack Frame

Issued to
Al Muftah International L.L.C
Sharjah, **United Arab Emirates**

is found to comply with
DNV standard DNV-ST-E271 – 2.7-1 Offshore containers, January 2021 (Amended October 2021)
ISO 10855:2018 Offshore containers and associated liftings sets – Design, manufacture, testing, inspection and marking
IMO/MSC Circular 860

Application :

Max. gross mass (kg)	**6200**
Max. payload (kg)	**4870**
Max. sling leg angle	**45**
Enhancement factor	**1.752**

Issued at **Aberdeen** on **2022-06-29**
This Certificate is valid until **2027-06-28** .
DNV local unit: **Abu Dhabi**

Approval Engineer: **Ross MacDonald**

for **DNV**

Elisabeth Legg
Principal Engineer

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

Maximum external dimensions (LxWxH) : 2155 x 1890 x 2460 mm
Tare mass* : 1330 kg

*) Tare mass is to be confirmed by weighing. The sum of payload and tare shall never exceed the maximum gross mass stated on the front page of this certificate.

Application/Limitation

Design temperature : 0°C and -20 °C
Minimum shackle pin diameter : 25.0 mm

The DNV surveyor shall witness all important production and testing events and issue a certificate for each container. The certificate is only valid when the container is fitted with a DNV-ST-E271 certified lifting set.

When a design temperature of 0°C is selected the product certificate shall not reference ISO 10855:2018.

This approval does not apply to the gas cylinders to be transported by this frame. If gas cylinders are to be installed and connected to manifolds, the unit as a whole (frame and payload) shall be approved and certified in accordance with IMDG Chapter 6.2 by an authorised certifying body.

Type Approval documentation

Tests carried out

Prototype no. AMI-64-GC-01 tested in accordance with DNV-ST-E271.

Marking of product

Each container to be marked in accordance with DNV / ISO requirements, including:

- Data and inspection plates
- DNV emblem for offshore containers
- NV mark to be hard stamped on the data plate
- Manufacturer's Serial Number to be welded on frame.
- The container shall be marked with words to the effect "Only to be used in temperate climates", as per DNV-ST-E271 section 10 when design temperature of 0°C is selected.

Periodical assessment

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNV-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

END OF CERTIFICATE