DNV·GL

Certificate No:
TAS000009R

TYPE APPROVAL CERTIFICATE

This is to certify:

That the ISO Freight Container

with type designation(s)
20ft Container Frame - EKCI/CAS-DN/356/010

Issued to
EKC International FZE
Dubai, United Arab Emirates

is found to comply with
International Convention for Safe Containers, 1972 (CSC)
ISO 1496, Part 5: Platform and Platform-Based Containers
DNV 2.7-4 Freight Containers

Application :

Max. gross mass (kg)	**30480**
Max. payload (kg)	**27980**
Net. cubic cap. (m^3)	**-**
Stacking cap. (kg)	**155556**

This Certificate is valid until **2020-08-24**.

Issued at **Høvik** on **2016-08-25**

for **DNV GL**

DNV GL local station: **Abu Dhabi**

Approval Engineer: **Igor Antonijevic**

Inger-Helene Hals
Head of Section

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.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description

20’ ISO/CSC container cascade

CSC Approval reference number	N-NV/567/01/16
ISO designation	1CC
Size code	25
Type code	PM
Max. external dimensions (LxWxH)	6058 x 2438 x 2896 mm
Stacking test load per corner	70000 kg
Tare mass[1)]	2500 kg

[1)] tare mass is to be confirmed by weighing. The sum of the tare mass and the payload shall never exceed the Max. gross mass as it is stated on the front page of this certificate.

Application/Limitation

The following text to be included in each certificate:
“Gas cylinders can be transported in this frame. However, if the gas cylinders are fixed and are connected via manifolds, the unit as a whole (frame and gas cylinder installation) is defined as a MEGC (Multiple Elements Gas Container). According to the IMDG Code Ch. 6.7.5, MEGCs must be approved and certified by an authorized certifying body.”

Note that the ISO Type Code is not applicable for MEGCs and will have to be changed if the container is certified as MEGC.

Production tests to be carried out as required by DNV GLs surveyor.

DNV GL surveyor has to witness important production and test events and issue Form no. 49.02a "Freight Container Certificate" for all containers. Each certificate can cover a batch of containers.

Containers have reduced stacking capacity and this has to be marked on the unit and specified on CSC data plate and included in each container certificate.

Type Approval documentation

Tests carried out

Prototypes strength tested according to requirements.

Marking of product

Each container to be marked with:
- Data Plate according to CSC requirement including Allowable stacking load for 1.8g of 155556 kg
- External marking according to DNV/ISO 6346 requirements
- DNV GL decal for freight containers
- NV mark to be hard stamped on frame

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform an assessment every 2nd year and before the expiry date of this certificate to verify that the type approval is complied with.

END OF CERTIFICATE