



TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00003T3
Revision No:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

That the Inflatable liferafts

with type designation(s)
LALIZAS OCEANO -6, -8, -10, -12, -15, -16, -20, -25, -30, -35

Issued to

Lalizas Hellas S.A.
Piraeus, Greece

is found to comply with the requirements in the following Regulations/Standards:

Regulation **MSN 1874 Amendment 7,**

item No. UK/1.12. SOLAS 74 as amended, Regulation III/4, III/13, III/21, III/26, III/31, III/34 & X/3, LSA Code, IMO MSC/Circ.811, IMO MSC.1/Circ.1328 and 2000 HSC Code 8

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-01-30**.

Issued at **London** on **2023-09-27**

DNV local unit:
Piraeus



for **DNV UK Ltd.**

Approval Engineer:
Roland Priebe

Approved Body No.: **0097**

Christine Mydlak-Röder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

"The Mark of Conformity" may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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

LALIZAS OCEANO -6, -8, -10, -12, -15, -16, -20, -25, -30, -35 are inflatable throw over-board life rafts.

Materials:

Item	Type	Manufacturer
Container material:	GRP	
Buoyancy tube fabric	HSR-XB-A (black rubberized fabric)	Jiangsu Haining marine Equipment Co., Ltd.
Exterior canopy fabric:	2x3-2PU (orange rubberized fabric)	Wuxi Mingwei Textile Co., Ltd
Interior canopy fabric:	100T (blue rubberized fabric)	Wuxi Mingwei Textile Co., Ltd.
Adhesive:	Graft adhesive 800L	Fo Shan Nan Hai Hong Ming Adhesive Co., Ltd.

Type:	Capacity [person@82.5 kg]	Weight SOLAS A- pack [kg]	Weight SOLAS B- pack [kg]	Towing strain 2 kts [kN]	Towing strain 3 kts [kN]	Max. stowage height [m]
OCEANO - 6	6	80 (76)	70 (66)	0.30	0.80	50 m (36 m)
OCEANO - 8	8	90 (85)	77 (73)	0.35	0.90	50 m (36 m)
OCEANO - 10	10	104 (98)	87 (82)	0.40	0.90	50 m (36 m)
OCEANO - 12	12	114 (108)	95 (92)	0.45	0.95	50 m (36 m)
OCEANO - 15	15	129 (122)	102 (97)	0.50	1.30	50 m (36 m)
OCEANO - 16	16	134 (127)	106 (100)	0.70	1.50	50 m (36 m)
OCEANO - 20	20	156 (149)	126 (120)	0.80	1.80	50 m (36 m)
OCEANO - 25	25	185 (178)	140 (135)	1.00	1.85	50 m (36 m)
OCEANO - 30	30	212 (205)	146 (140)	1.10	2.00	50 m (36 m)
OCEANO - 35	35	233 (223)	155 (148)	1.30	2.40	50 m (36 m)

Application/Limitation

The liferaft shall be packed with a SOLAS A PACK or SOLAS B PACK.

Gas cylinders shall be of an approved type.

Components in the gas inflation system should be approved according to ISO 15738:2019.

The liferaft is intended to be installed with external weak link and a hydrostatic release unit. Float free arrangement to be checked upon installation on board.

Production testing shall be carried out according to IMO Res. MSC 81(70) part 2.

The liferafts may be approved for extended service intervals up to 30 months in accordance with SOLAS Ch. III, Regulation 20.8.3 provided that:

- Such extended service intervals have been approved by the ships flag administration.
- The liferafts are checked onboard in accordance with SOLAS Ch. III Regulation 20.8.3.2 at intervals in accordance with SOLAS Ch. III Regulation 20.8.1.1, according to procedures accepted by the Approved Body.
- The liferafts shall be serviced at approved servicing stations in accordance with the recommendations in IMO Res. A.761(18) at intervals not exceeding 30 months.

Type Examination documentation

Test report from GL Zhoushan dated 2012-09-06.

Drawings, blueprints and documentation for all Oceano models, Ref.no.: 13-007851.

Tests carried out

Prototype tests and test reports in accordance with the Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC 81(70) part 1, including IMO Res. MSC 226(82), IMO Res. MSC 295(87) and MSC. 323(89), have been witnessed and evaluated and found in compliance.

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, date of manufacture and UK Mark of Conformity. The marking shall comply with the LSA Code (IMO Res. MSC. 48(66)) item 4.2.6 and 4.2.7.