

EC Certificate Type Examination (Module B)



This is to certify that:

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No. **47 378 - 12 HH**

Applicant **Lalizas Hellas S.A.**
3, Gounari Str.
185 31 Piraeus, GREECE

Product Description **Inflatable Liferrafts**

Product Name **LALIZAS OCEANO-6, -8, -10, -12, -15, -16, -20, -25, -30, -35**

Trade Name **None**

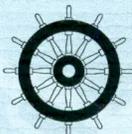
Specified Standards **SOLAS 74 as amended Reg. III/4, III/13, III/21, III/26, III/31 and III/34, X/3, LSA-Code I and IV, IMO Res. MSC.81(70), MSC/Circ.811, 1994 and 2000 HSC Code 8,**

Related Directive **2011/75/EU**
Equipment Section **Life-saving appliances**
Annex A.1 Item No. **A.1/1.12**

Date of Issue **2013-01-22**

Expiry Date **2018-01-21**

Germanischer Lloyd



Nils Wegener

Notified Body No.: 0098



Certificate No: 47 378 - 12 HH Date of Issue: 2013-01-22

Schedule of Approval

Additional Standards

MSC.218(82), MSC.226(82), MSC.293(87), MSC.295(87), MSC.323(89),

Approval Documentation

Test report from GL Zhoushan dated 2011-06-10,
Drawings, blue prints and documentation for all Oceano models,
Ref.no.: 13-007851

Technical Data

Conditions of Certification:

Type:	Persons (82,5 kg)	Weight [kg]		Required bollard pull [kN]		max. Stowage Height
		SOLAS A	SOLAS B	(2 kn)	(3 kn)	
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)

1. The equipment and marking of the liferaft shall be in accordance with LSA-Code 4.1.5.
2. The liferafts are to be serviced annually, provided where in any case this is impracticable, the administration may extend this period to 17 month. They shall be serviced at approved service stations which are authorised by the manufacturer.
3. Production tests are to be conducted in accordance with IMO Resolution MSC.81(70) Part 2 and recorded by the manufacturer in accordance with the approved Production Quality Assurance system for Module D of the Marine Equipment Directive 2011/75/EC as amended.



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Remarks

None

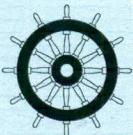
Limitations on the acceptance or use of the product

The Liferrafts OCEANO-30 and OCEANO-35 with SOLAS emergency pack type A have a mass of 212(205)kg/ 233(223)kg and may not be used for positions where side to side transferability is required.

Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform Germanischer Lloyd, as the Notified Body, of any modifications or changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.