DNV·GL

Certificate No:
MEDB000058R

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Inflatable liferafts

with type designation(s)
TOB 6/8/10/12/15/16/20/25/30/35 (throw over-board type)

Issued to
AUXILIAR DE SEGURIDAD EN LA MAR, S.A.
Viladecans, Barcelona, Spain

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
item No. MED/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 and 2000 HSC Code 8

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

This Certificate is valid until **2024-08-01**.

Issued at **Hamburg** on **2019-08-02**

DNV GL local station:
Barcelona

Approval Engineer:
Michael Oberländer

Notified Body
No.: **0098**

for **DNV GL SE**

Gerhard Aulbert
Head of Notified 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-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. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
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.

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Product description

TOB-6/8/12/15/16/20/25/30/35 is a throw over-board type, inflatable liferaft available with SOLAS A and B Pack stowed in a cylindrical container.
Trade name: DUARRY TOB 6/8/10/12/15/16/20/25/30/35

Application/Limitation

Type	Persons (82,5 kg)	Weight [kg] SOLAS A	Weight [kg] SOLAS B	Required bollard pull [kN]		Max. Stowage Height [m]
				2 kn	3 kn	
TOB-6	6	76	66	0.30	0.80	50
TOB-8	8	85	73	0.35	0.90	50
TOB-10	10	98	82	0.40	0.90	50
TOB-12	12	108	92	0.45	0.95	50
TOB-15	15	122	97	0.50	1.30	50
TOB-16	16	127	100	0.70	1.50	50
TOB-20	20	149	120	0.80	1.80	50
TOB-25	25	178	135	1.00	1.85	50
TOB-30	30	205	140	1.10	2.00	50
TOB-35	35	223	148	1.30	2.40	50

- The liferafts are to be serviced annually, provided where in any case this in impracticable, the administration may extend this to a period to 17 months. They shall be serviced at approved service stations which are authorized by the manufacturer.
- 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 15738:2002.
- 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 tests are to be conducted in accordance with IMO Resolution MSC.81(70) Part 2 and recorded by the manufacturer in compliance with approved Production Quality Assurance System for Module D of the Marine Equipment Directive 2014/90/EC.

The liferafts TOB-30 and TOB-35 with SOLAS emergency pack type A have a mass of more than 185 kg and may not be used for positions where side-to-side transfer is required.

Type Examination documentation

The design assessment is based on IMO Res. MSC.48(66)-(LSA-Code) Ch.I and IV, as amended by IMO Res.MSC.207(81), IMO Res.MSC.218(82) and IMO Res.MSC.293(87).

This certificate is replacing the previous MED B certificate 95019-14 HH.

- Test report of Germanischer Lloyd Zhoushan dated 2011-06-10 and 2012-09-06. The National Supervision and Testing Center of Fishery Machinery and Instrument No. 2010YW140.
- Drawings and technical file for SEA-AIR ATOB models

This liferaft model is technically identical to the liferaft type SEA-AIR ATOB-6/8/10/12/15/16/20/25/30/35 manufactured by Ningbo Neptune Life-Saving Equipment Co., Ltd., as agreed in the authorization letter between both parties.

Tests carried out

The product has been tested in accordance with the Recommendations on Testing of Life-Saving Appliances, IMO Res. MSC.81(70) Part 1, including IMO Res. MSC.226(82), MSC.295(87), MSC.323(89) which have been witnessed and found to be in compliance.

Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation and date of manufacture. The marking shall comply with the LSA Code (IMO Res.MSC48(66) item 4.2.6.3 and 4.2.7.