

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 Open reversible liferaft

with type designation(s)
ORIL 6/10/25/30/50/65/100 (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/1.39. SOLAS 74 as amended, Regulation III/4 & X/3, LSA Code and 2000 HSC Code 8

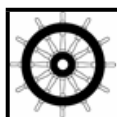
Further details of the equipment and conditions for certification are given overleaf.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-009240-1**
Certificate No: **MEDB000058S**

Product description

ORIL 6/10/25/30/50/65/100 is an inflatable, open reversible liferaft available with HSC Pack, for use in accordance with HSC Code 2000 Ch.8.10.2, where the Administration considers it appropriate in view of the sheltered nature of the voyages and the suitable climatic conditions of the intended area of operation.

Trade name: DUARRY ORIL 6/10/25/30/50/65/100

Application/Limitation

Max. Stowage Height: 10 m

Type	Persons (82.5kg)	Weight [kg] HSC Pack	Required bollard pull [kN]	
			(2 kn)	(3kn)
ORIL-6	6	49	0,40	0,90
ORIL-10	10	56	0,50	1,00
ORIL-25	25	92	0,75	1,50
ORIL-30	30	109	1,00	1,90
ORIL-50	50	168	1,50	2,10
AOR-65	65	215	1,70	2,65
AOR-100	100	293	2,15	5,00

- The liferafts are to be serviced annually, provided where in any case this is impracticable, the administration may extend this to a period by one month. They shall be serviced at approved service stations which are authorized by the manufacturer.
- The liferaft shall be packed with a HSC Pack.
- Gas cylinders shall be of an approved type.
- Components of the gas inflation system should be approved according 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 accordance with the approved Production Quality Assurance system for Module D of the Marine Equipment Directive 2014/90/EC.

Type Examination documentation

The design assessment is based on IMO HSC Code 2000 - Annex 11.

Drawings: Technical file for SEA-AIR AOR models reviewed with ref. 11-097571

Test reports: Germanischer Lloyd Zhoushan 2011-06-10, DNV GL Barcelona 2015-01-21(ref.14-114894)

Inspection report: No. 2010YW141 by The National Supervision and Testing Center of Fishery Machinery and Instrument/China.

This certificate replaces the previous MED-B certificate 95021-14HH.

This liferaft model is technically identical to the liferaft type SEA-AIR AOR-6/10/25/30/50/65/100 manufactured by Ningbo Neptune Life-Saving Equipment Co., Ltd., as agreed in the authorization letter between both parties.

Tests carried out

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The product has been tested in accordance with IMO HSC Code 2000 Annex 11.7 and 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.

Following tests of MSC.81(70), Part 1 have been omitted in accordance with HSC Code 2000 Annex 11.7: 5.5, 5.8 regarding closing arrangements, 5.12, 5.16, 5.17.2, 5.17.10, 5.17.11, 5.17.12, 5.18 and 5.20. The drop height in test 5.1.2 was substituted with 10m.

Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation and date of manufacture and batch or serial number or other elements allowing identification.

The equipment and marking of the liferaft incl. stowage container shall be in accordance with HSC Code 2000 Annex 11.