

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00001J1
Revision no.:
2

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

This is to certify:

that the **Lifebuoy- not intended for combined use with item 1.10 - intended for combined use with item 1.10**

with type designation(s)

Lifebuoys type 2.5 kg (code 70090) and Lifebuoys type >4 kg (code 70110)

issued to

Lalizas Hellas S.A.

2 Mikras Asias – Fokaias & Aiginis 185 47 Piraeus Greece

is found to comply with the Implementing Regulation (EU) 2026/1434 for

Item no. **MED/1.1 (Row 2 of 2)**

according to the following requirements:

SOLAS 74 Reg. III/7, SOLAS 74 Reg. III/34, IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) II, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO Res. MSC.481(102), SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3

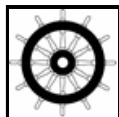
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2026-09-03**

Expiry date: **2031-09-02**

DNV local unit:
Piraeus

Approval Engineer:
Tessa Biever



Notified Body
no.: **0098**



for **DNV SE**

Digitally Signed By:

Christine Mydlak-Röder

Christine Mydlak-Röder
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

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 USD 300 000.

Product description

'Lifebuoy type 2.5 kg (code 70090) and Lifebuoy type >4 kg (code 70110)'

Name: Lifebuoy type 2.5 kg (code 70090)
Weight: 2.5 kg +/- 0.5 kg
Diameter, inner/outer: Ø440 +/- 10 mm - Ø730 +/- 15 mm
Colour: Orange
Max. drop height: 80 m
Buoyancy material: Polyurethane
Cover material: HDPE

Name: Lifebuoy type >4 kg (code 70110)
Weight: 4 +/- 0.6 kg
Diameter, inner/outer: Ø440 +/- 10 mm - Ø730 +/- 15 mm
Colour: Orange
Max. drop height: 80 m
Buoyancy material: Polyurethane
Cover material: HDPE

Application/Limitation

Approved for use as a lifebuoy.

The lifebuoy type >4 kg (code 70110) has sufficient mass to operate the quick-release arrangement provided for self activated smoke signals and self-igniting lights.

Self-igniting light and retro-reflective material used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

The design assessment is based on the LSA Code as amended by IMO Res. MSC.207(81), IMO Res. MSC.218(82) and IMO Res. MSC.481(102).

Production and installation testing shall be carried out according to IMO Res. MSC.81(70), Part 2, Ch.3.

Type Examination documentation

Document No.	Rev.	Title
WD/WjS/15/11 and WD/WjS/16/11		Test report dated 15 July 2011 from PRS, Gdansk, Poland.
		Evaluation and test reports (4 kg lifebuoy) dated 2 April 2007 from Wuhan Marine Lifesaving Equipment Quality Inspection Center, Wuhan, China.
		Evaluation and test reports (2.5 kg lifebuoy) dated 2 April 2007 from Wuhan Marine Lifesaving Equipment Quality Inspection Center, Wuhan, China.
70090	B	Drawing dated 29 May 2025 - LIFEBOUY SOLAS 70090 from manufacturer.
70110	B	Drawing dated 29 May 2025 - LIFEBOUY SOLAS 70110 from manufacturer.

Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70) Part 1, as amended by IMO Res. MSC.200(80) and IMO Res. MSC.226(82).

The retro reflective material is tested in accordance with IMO Res. MSC.481(102) – Type II.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, date of manufacture, operational restrictions and the Mark of Conformity (see first page).

In addition, each lifebuoy shall be marked in block capitals of the Roman alphabet with the name and port of registry of the ship on which it is carried in accordance with SOLAS Reg. III/7.1.4.