

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00001J1
Revision No:
1

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 Lifebuoys

with type designation(s)

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

Issued to

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

Regulation (EU) 2021/1158,

item No. MED/1.1. SOLAS 74 as amended, Regulation III/4, III/7, III/34 & X/3, LSA Code, 2000 HSC Code 8

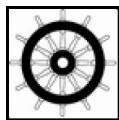
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-11-02**.

Issued at **Hamburg** on **2021-11-03**

DNV local station:
Piraeus

Approval Engineer:
Michael Oberländer



Notified Body
No.: **0098**



for **DNV SE**
Digitally Signed By: Mydlak-Röder, Christine
Location: DNV GL SE, Hamburg

Christine Mydlak-Roeder
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 300,000 USD.



Product description

Lifebuoy 2.5 kg and >4 kg.

Max. storage height above the water line: 80 m

Application/Limitation

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.

The used retro-reflective material shall be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

Production tests are to be conducted in accordance with IMO Res. 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 as amended.

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

Type Examination documentation

Evaluation and test reports in accordance with MSC/Circ.980 from Wuhan Marine Lifesaving Equipment Quality

Inspection Center dated 2007-04-02,

Report WD/WJS/15/11 and WD/WJS/16/11 dated 2011-07-15 by PRS

Tests carried out

The products have been tested in accordance with IMO Res.MSC.81(70) Part 1, as amended by IMO Res. MSC.200(80) and MSC.226(82)

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, date of manufacture and Mark of Conformity (see page 1).

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 III/7.1.4.