EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000AT3
Revision no.:
0

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 **Position-indicating lights for life-saving appliances:- for lifebuoys**

with type designation(s)
YBB1 lifebuoy light

issued to
Shanghai Yibei Safety Equipment Co. Ltd.
Shanghai, **China**

is found to comply with the Implementing Regulation **(EU) 2024/1975** for
Item no. **MED/1.2b** (Row **1 of 1**)
according to the following requirements:
SOLAS 74 Reg. III/7, SOLAS 74 Reg. III/22, SOLAS 74 Reg. III/32, 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 MSC.1/Circ.1628, 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: **2025-09-05**

Expiry date: **2030-09-04**

DNV local unit:
Shanghai

Approval Engineer:
Marcin Tobiasz

Notified Body
no.: **0098**

for **DNV SE**

Christine Mydlak-Röder
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment, signed February 27th, 2004, and amended by Decision No 1/2023 dated May 26th, 2023.
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"YBB1 lifebuoy light"
Flashing position Indicating lights activated by water sensor on bottom of product.

Battery type: lithium battery, YB123A
Voltage: 3 V
Dimension: Ø83 mm x 240 mm
Flash Frequency: 50-70 times/minute

Application/Limitation

Approved as a position indicating light for a lifebuoy.

Each lifebuoy is not to be stowed at a height above the waterline exceeding 80 m.

Instruction for maintenance and operation manual to be provided with each delivery.

Lights powered by batteries shall be marked with means of determining their age or the date by which they are to be replaced.

Type Examination documentation

Tests carried out

Tested in accordance with the requirements of:
- IMO Res. MSC.81(70), as amended by IMO Res. MSC.200 (80), IMO Res. MSC.226(82) & IMO Res. MSC.323(89),
- EN 60945:2002 incl. IEC 60945 Corr. 1:2008,
- ISO 24408: 2005.

Marking of product

The product is to be marked with manufacturers name, type designation, serial or lot number, date of expire, Mark of Conformity and USCG number if applicable (see first page). The marking shall comply with the LSA Code items 1.2.2.9 and 1.2.3. and ISO 24408:2005 item 4.3.