

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00007C8**

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 self-activating smoke signals**

with type designation(s)  
**QCYD- I 15-2-2**

Issued to

**Ningbo Zhenhua Life-saving Equipment Co., Ltd.**  
**Ningbo, 130, China**

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

Regulation (EU) 2020/1170,

**item No. MED/1.3. SOLAS 74 as amended, Regulation III/4, III/7, III/34 & X/3, LSA Code and 2000 HSC Code 8**

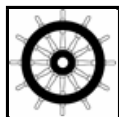
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-03-21**.

Issued at **Hamburg** on **2021-03-22**

DNV local station:  
**Ningbo FIS**

Approval Engineer:  
**Peter Zell**



Notified Body  
No.: **0098**

for **DNV SE**

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**Christine Mydlak-Roeder**  
**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) 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

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

“QCYD- I 15-2-2” is a lifebuoy self-activating smoke signal with pull out ignition lanyard, producing orange smoke for at least 15 minutes.

Tested with drop height: 40 m

This lifebuoy self-activating smoke signal shall be fitted with an approved light to comply with SOLAS III/7 1.3, e.g. combined with the “Lifebuoy light, type QD2-2”.

## Application/Limitation

The design assessment is based on IMO Res. MSC.48(66) as amended by:

- IMO Res. MSC.207(81)
- IMO Res. MSC.218(82)

Production and installation testing shall be carried out according to IMO Res. MSC.81(70) Part 2, Ch.4.

Each lifebuoy with self-activating smoke signal of type “QCYD- I 15-2-2” is not to be stowed at a height above the waterline exceeding 40 m.

Expiration date not to exceed 48 months after date of manufacture.

## Type Examination documentation

- General Assembly Drawing No. QCYD- I 1.0, dated 2015-03-18, issued by the Manufacturer,
- Evaluation and Test Report No.2015161, dated 2015-10-14, issued by Wuhan Testing Centre of Marine Lifesaving Appliances,
- Evaluation and Test Report No.2021001, dated 2021-01-19, issued by Ningbo Zhenhua Lifesaving equipment Co., Ltd. laboratory.
- This certificate is replacing the previous MED B certificate 42319-16 HH, issued by DNVGL.

## Tests carried out

Tested according to IMO Res. MSC.81(70) part 1, as amended by:

- IMO Res. MSC.200(80)
- IMO Res. MSC.226(82)
- IMO Res. MSC.323(89)

## Marking of product

The product is to be marked with name and address of the manufacturer, type designation, date of manufacture, expiry and operational restrictions and approval information including approval Administration.

The product should be provided with brief instructions or diagrams clearly illustrating the use printed on the casing.