

EC CERTIFICATE TYPE EXAMINATION (MODULE B)

This is to certify that:

DNV GL SE, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

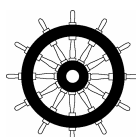
Certificate No.	42 319 - 16 HH
Applicant	Ningbo Zhenhua Life-saving Equipment Co., Ltd. 111, Yingang Road, Xizhou, Xiangshan 315722 Ningbo, P.R. CHINA
Product Description	Lifebuoy self-activating smoke signals
Product Name	QCYD- I 15-2-2
Trade Name	QCYD- I 15-2-2
Specified Standards	SOLAS 74 as amended Reg. III/4, III/7, III/34, X/3 1994 and 2000 HSC code 8 IMO Res. MSC.48(66) [LSA Code] I, II IMO Res. MSC.81(70)
Related Directive	2014/93/EU
Equipment Section	Life-saving appliances
Annex A.1 Item No.	A.1/1.3
Date of Issue	2016-04-06
Expiry Date	2021-04-05

DNV GL SE

Notified Body No.: 0098

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Christine Mydlak-Röder

Certificate No: 42 319 - 16 HH**Date of Issue:** 2016-04-06

Schedule of Approval

Approval Documentation

- Test report no 2015161 dated 2015-10-14 issued by Wuhan Testing Centre of Marine Lifesaving Appliances.
- General Assembly Drawing no. QCYD- I 1.0, dated 2015-03-18, issued by the Manufacturer.

Ref.no. 15-054680

Technical Data

Lifebuys self-activating smoke signals with pull out ignition lanyard, producing orange smoke for at least 15 minutes.

Maximum installation height: 40 m

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

The product is to be marked with name of 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, also the manual operation, printed on the casing.

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

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

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)

Production and installation testing shall be carried out according to IMO Res. MSC.81(70) part 2.

Remarks

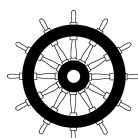
None

Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE, as the Notified Body, of any modifications or changes to the approved equipment.

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.

An 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.



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.

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Limitations on the acceptance or use of the product

None