

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL 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)

HXQ-5555 (Lifebuoy 2.5 kg) and HXQ-5555-4 (Lifebuoy > 4.3 kg)

Issued to

Suzhou Haixing Maritime Equipment Co., Ltd.
Wujiang 100, China

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

Regulation **(EU) 2017/306,**

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

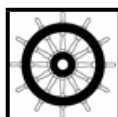
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-06-12.**

Issued at **Hamburg** on **2017-12-14**

DNV GL local station:
Shanghai CMC

Approval Engineer:
Peter Zell



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzus
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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

Lifebuoy 2.5 kg and more than 4.3 kg.

Application/Limitation

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 96/98/EC as amended.

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

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

Type Examination documentation

Drawings No "HXQ-5555-00 A" and "HXQ-5555-4-00 A".

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
- IMO Res. MSC.226(82).

Marking of product

The product is to be indelibly marked with name of manufacturer and the type designation. The marking shall comply with the LSA Code (IMO Res. MSC.48(66) Item 1.2.2.9).