

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 Position indicating lights for life-saving appliances for lifebuoys

with type designation(s)

JHL-4 Lifebuoy Self-Igniting Light (combining self-activating smoke signal (MOB) JHLS-4)

Issued to

**Huahai Marine Signals Manufacturing Co., Ltd.
Haimen, 100, China**

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

Regulation **(EU) 2019/1397,**

item No. MED/1.2b. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code, 2000 HSC Code 8

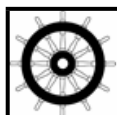
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-09-13**.

Issued at **Hamburg** on **2019-11-28**

DNV GL local station:
Nantong

Approval Engineer:
Didier Girardin



Notified Body
No.: **0098**

for **DNV GL SE**

Gerhard Aulbert
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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-010074-1**
Certificate No: **MEDB000065W**

Product description

Position-indicating lights for life-saving appliances for lifebuoys
Product name/type: JHL-4

Application/Limitation

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

Type Examination documentation

Tests carried out

IMO Resolution MSC.81(70) as amended

Marking of product

According to Article 10 of the Council Directive (MED) and including information required by the LSA Code § 1.2.2.9 and § 1.2.3 Manufacturer name

- Manufacturer name
- Type identification
- Lot number

USCG approval number: USCG 161.110/EC0098/MEDB000065W

END OF CERTIFICATE