

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 Lifejackets

with type designation(s)

Inherently buoyant, infant size (HYJ-I)

Issued to

Jiangsu Huayan Marine Equipment Co., Ltd.
Jiangsu, China

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

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

item No. MED/1.4. SOLAS 1974 as amended, Reg. III/4, III/7, III/22, III/34 & X3, LSA Code, 2000 HSC Code 8 and IMO MSC/Circ.922, IMO MSC.1/Circ.1304 and 1470.

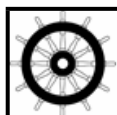
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-01-22**.

Issued at **Hamburg** on **2020-01-23**

DNV GL local station:
Nanjing CMC

Approval Engineer:
Michael Oberländer



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

The HWAYAN / HYJ-I is an inherently buoyant lifejacket for infants.

Application/Limitation

- The lifejacket is approved for infants with a weight of less than 15 kg and a height of less than 100 cm.
- Retro-reflective material and position indicating light shall be approved in accordance with the Marine Equipment Directive (2014/90/EU) and be "wheelmarked".
- The design assessment is based on IMO Res. MSC 48(66) as amended by IMO Res. MSC 207(81), IMO Res. MSC.218(82) and IMO Res.MSC.368(93).
- Production testing shall be carried out according to IMO Res. MSC 81(70), part 2 as amended.
- MSC/Circ.922 regarding thermal protective lifejackets (TP lifejackets) is not applicable for this type of lifejackets.

Type Examination documentation

This certificate is based on the previous EC Type Examination certificate 14191-15 HH issued by DNV GL on 2015-04-21.

Test reports issued by Wuhan Testing Center of Marine Life-saving Appliance, China:

- no. 2014025, 2012084, 2012085, 2012086, 2012087, 2012088.
- Additional tests: no. 2017155, 2019114, 2019136 and 2019139 carried out for change of fabric (to 300D*300D orange Oxford cloth from Suzhou Wujiang Heng Rong Textile Co.Ltd. or 300D*300D DYT from Suzhou Mingwei Water Lifesaving Equipment Co.Ltd.) and buckle (from Pinghu Shengfeng Hardware Plastic Co.Ltd.).

Drawing no. "HYJ-I-00"

Technical file with ref.no. 14-100217 and NPS job 344.1-009735-1.

Tests carried out

Tests carried out in accordance with Revised Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC. 81(70), part 1, including IMO Res. MSC 200(80), IMO Res. MSC 226(82), IMO Res. MSC 323(89) and IMO Res. MSC.378(93).

Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation, batch or serial number or other elements allowing their identification. The markings shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9 and 2.2.1.10.