TYPE EXAMINATION CERTIFICATE – EC MODULE B

Certificate no.:
MEDB00005HT
Revision No:
1

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 Thermal protective aids

with type designation(s)
TPA-I (Bag Type), TPA-II (Suit Type)

issued to
Jiaxing Rongsheng Lifesaving Equipment Co., Ltd.
Jiaxing City, Zhejiang, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2024/1975,**
item No. MED/1.7. SOLAS 74 as amended, Reg. III/4, III/22, III/32 & III/34, LSA Code and 2000 HSC Code 8, IMO MSC/Circ.1046, IMO MSC.1/Circ.1628

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

This Certificate is valid until **2030-03-09**.

Issued at **Hamburg** on **2025-03-10**

DNV local unit:
Shanghai

Approval Engineer:
Tessa Biever

Notified Body
No.: **0098**

for **DNV SE**

Digitally Signed By:
Christine Mydlak-Röder
Location: DNV Hamburg, Germany

Mydlak-Röder, Christine
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 USD 300 000.

Product description

'TPA-I (Bag Type), TPA-II (Suit Type)'
Thermal protective aids: TPA-I (Bag Type) and TPA-II (Suit Type). The colour of this aid is orange.

Material	Type designation	Manufacturer
Main fabric:	Polyester coated aluminum composite fabric	Suzhou Mingwei Water Lifesaving Equipment Co., Ltd.
Zipper:	Polyoxymethylene (POM) 60 cm	Jinhua Linghang Zipper Co., Ltd.

Application/Limitation

The TPA shall be used in conjunction with an approved lifejacket.

The design assessment is based on IMO Res. MSC 48(66) as amended by MSC.207(81).

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

Type Examination documentation

Test report No. 2019045 from 15 April 2019 until 20 May 2019 from Wuhan Testing Center of Marine Life-Saving Appliances, China.
Test report No. 2019046 from 15 April 2019 until 20 May 2019 from Wuhan Testing Center of Marine Life-Saving Appliances, China.

Test report No. 2014FW08852-1 dated 24 November 2014 from South-China Testing Centre of Textile Industry, China.
Test report No. 2014FW08852-2 dated 24 November 2014 from South-China Testing Centre of Textile Industry, China.

Drawing TPA-I Rev. B/2 sheet 0~4 dated 5 November 2023 from manufacturer.
Drawing TPA-II Rev. A/2 sheet 0~3 dated 5 November 2023 from manufacturer.

Tests carried out

Prototype tests and test reports in accordance with the Recommendation on Testing of Life-Saving Appliances, IMO Res.81(70) Part 1, including IMO Res. MSC.200(80), IMO Res. MSC.226(82) and IMO Res. MSC.323(89), have been witnessed and evaluated and found to be in compliance.

Marking of product

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