TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00008HW
Revision No:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

That the Thermal protective aids

with type designation(s)
TPA3

Issued to
Shanghai Yibei Safety Equipment Co. Ltd.
Shanghai, **China**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **MSN 1874 Amendment 7,**
item No. UK/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 **2029-02-18**.

Issued at **London** on **2024-02-19**

for **DNV UK Ltd.**

DNV local unit:
Shanghai

Approval Engineer:
Tessa Biever

Approved Body No.: **0097**

Mydlak-Röder, Christine
MER Service Responsible

Maritime & Coastguard Agency
UK Approved Body Authorised by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.
During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved 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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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 300,000 USD.

Product description

'TPA 3'
A Thermal Protective Aid (TPA) composed of a safety yellow coloured thermal insulation fabric 'TPA3' reinforced by strength treads. The dimensions of the TPA are 2200 x 900 mm (L x W). The plastic zipper at the front side of the aid has a length of 700 mm. The TPA is packed in a bag.

Materials used:

Item	Material	Manufacturer
Fabric	Reinforced thermal insulation composite 'TPA3'	Shanghai Yibei Safety Equipment Co., Ltd.
Zipper	Plastic - 700 x 30 mm	Jiangsu Fuxing Zipper Co., Ltd.
Threads	Polyester high strength tread	Haian Haisheng Thread Co., Ltd.

Application/Limitation

The TPA shall be used in conjunction with an MED 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

Prototype tests performed between 12 October 2016 - 10 November 2016 witnessed by CCS – reported iaw IMO MSC.1 /Circ. 1628 Rev.1 dated 2023-08-21 by DNV.

Drawing No. 'TPA3' dated 16 October 2008 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 and MER Mark of Conformity. The marking shall comply with LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9.