

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 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, 130, China

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

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

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.

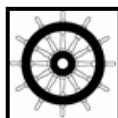
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-01-15.**

Issued at **Hamburg** on **2020-01-16**

DNV GL local station:
Shanghai

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Thermal protective aids: TPA-I (Bag Type) and TPA-II (Suit Type)

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

The following documentation is basis for the DNV GL approval:

- Test for MSC.81(70):
Wuhan Testing Center of Marine Life-Saving Appliances, No. 2019045 and 2019046 both from 2019-04-15 until 2019-05-20
South-China Testing Centre of Textile Industry, No.2014FW08852-1 and 2014FW08852-2 both dated 2014-11-24
- Technical file approved with NPS job 344.1-009474-1

This certificate replaces certificate 86592-10 HH.

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.