

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00006WX
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)

70461-LALIZAS Thermal Protective Aid "Alusafe-T" - LSA Code

issued to

Lalizas Hellas S.A.
Piraeus, Greece

is found to comply with the Implementing Regulation (EU) 2025/1533 for
Item no. **MED/1.7 (Row 2 of 2)**

according to the following requirements:

SOLAS 74 Reg. III/22, SOLAS 74 Reg. III/32, SOLAS 74 Reg. III/34, IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) II, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO MSC/Circ.1046, IMO MSC.1/Circ.1628/Rev.2, SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3

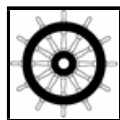
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-11-18**

Expiry date: **2026-11-17**

DNV local unit:
Piraeus

Approval Engineer:
Tessa Bieber



Notified Body
no.: **0098**



for **DNV SE**

Digitally Signed By:

Christine Mydlak-Röder

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

'70461-LALIZAS Thermal Protective Aid "Alusafe-T",
 A thermal protective aid (bag type) for use inside survival crafts and rescue boats for persons with height 1.45 m - 2.00 m and weight of 40 - 150 kg which shall be marked accordingly.

Application/Limitation

Approved as thermal protective aid.

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

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

Instructions for use to be provided for each TPA.

Production testing shall be carried out according to IMO Res. MSC.81(70) part 2 as amended.

Type Examination documentation

Document No.	Rev.	Title
		TPA - marking and instructions of use
		Prototype test report iaw IMO MSC./Circ. 980 dated 26 June 2006 (iaw IMO MSC./Circ 1628 Rev.2) from from Wuhan Marine Lifesaving Equipment Quality Inspection Center, China and signed by Lloyd Register
		Prototype test report iaw IMO MSC./Circ. 980 dated 1 June 2006 (complies with IMO MSC./Circ 1628 Rev.2) from Wuhan Marine Lifesaving Equipment Quality Inspection Center, China.
		Prototype test report iaw IMO MSC./Circ. 980 dated 26 December 2006 (complies with IMO MSC./Circ 1628 Rev.2) from Wuhan Marine Lifesaving Equipment Quality Inspection Center, China.
	1	Drawing No. LYG70461-0001
		Prototype test report dated 15 February 2021 witnessed by DNVGL

Tests carried out

Tests carried out in accordance with Revised 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).

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 Ch. 1.2.2.9.