

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB0001N96
Revision no.:
0

This Certificate is issued by DNV UK Limited, UKAS accredited certification body no. 6086, based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body (no. 0097) to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2025.

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 Regulation (UK) **MSN 1874 Amendment 11** for
Item no. **UK/1.7 (Row 2 of 3)**

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.1, 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: **2026-01-06**

Expiry date: **2027-01-05**

DNV local unit:
Piraeus

Approval Engineer:
Tessa Biever

Approved Body No.: 0097

for **DNV UK Ltd.**

Digitally Signed By:
Christine Mydlak-Röder

Christine Mydlak-Röder
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 2025, 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 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

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).

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
		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 4 July 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.
		TPA - marking and instructions of use
		Drawing No. LYG70461-0001
		Prototype test report dated 15 February 2021 witnessed by DNVGL

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 as amended, 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.