



TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00006WX
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)
70461-LALIZAS Thermal Protective Aid "Alusafe-T" - LSA Code

Issued to

Lalizas Hellas S.A.
Piraeus, Greece

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.

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

This Certificate is valid until **2025-08-02**.

Issued at **London** on **2023-09-27**

DNV local unit:
Piraeus

Approval Engineer:
Roland Priebe



Approved Body No.: **0097**

for **DNV UK Ltd.**

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 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

The **70461-“Alusafe-T” – LSA Code** is a thermal protective aid (Bag type) for use as equipment in survival crafts and rescue boats.

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 approval:

- Test for MSC.81(70) as amended, at Wuhan Marine Life Saving Equipment Quality inspection Center /China, dated 2006-06-26 (including explanation for fabric test dated 2006-07-04) and 2006-12-26.
- Technical file approved with NPS job 344.1-010828-1
- Drawing: TPA No. LYG0604 001

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, date of manufacture and the UK Mark of Conformity (see first page). The marking shall comply with LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9.