TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00006HF
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 Lifejackets

with type designation(s)
70178 - Advanced Adult´s Lifejacket SOLAS-(LSA Code) 2010

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/1.4. SOLAS 1974 as amended, Reg. III/4, III/7, III/22, III/34 & X3, LSA Code, 2000 HSC Code 8 and IMO MSC/Circ.922, IMO MSC.1/Circ.1304 and 1470.

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

This Certificate is valid until **2025-05-12**.

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

for **DNV UK Ltd.**

DNV local unit:
Piraeus

Approval Engineer:
Roland Priebe

Approved Body No.: **0097**

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 **70178 LALIZAS** inherently buoyant, adult lifejacket is approved for persons with a weight of 43 kg and more and for a height of 155 cm or more. It is designed to fit persons weighing up to 140 kg and a chest girth of up to 1,750 mm, in accordance with IMO Res, MSC.207(81).

Application/Limitation

- Retro-reflective material and position indicating light shall be approved in accordance 2014/90/EC as amended and be “wheelmarked”.
- The design assessment is based on IMO Res. MCS.48(66) as amended by IMO Res. MSC.207(81), IMO Res. MSC.218(82) and IMO Res. MSC.368(93).
- Production tests shall be carried out according to IMO Res. MSC.81(70), Part 2 as amended.
- IMO MSC/Circ.922 is not applicable for this lifejacket type.

Type Examination documentation

The following documentation is basis for the DNV GL approval:

- Prototype tests for MSC.81(70) as amended:
  Wuhan Marine Lifesaving Equipment Quality Inspection Center No. 2009037 dated 2009-09-18 and Wuhan Testing Center of Marine LSA 2015011 dated 2015-02-10

- Material tests:
  - No. 2006068 dated 2007-06-12 Fabric, Thread, Buckle and Fabric
  - No. 2009040 dated 2009-09-02 Waist buckle
  - No. 2009041 dated 2009-09-02 Webbing
  - No. 2009057 dated 2009-09-29 Foam flotation material
  - No. 09 1 0052-1 dated 2009-02-16 Webbing closure
  - No. 2015001 dated 2015-02-15 Side release buckle
  - No.2015006 dated 2015-03-11 Yellow polyester fabric

- Technical file approved with NPS job 344.1-010458-1

- Drawing: 70178 Final Drawing LLZ7017801

Tests carried out

Tests carried out in accordance with Revised Recommendations on testing of Life-Saving Appliances, IMO Res.MSC.81(70), Part 1, including IMO Res. MSC.200(80), IMO Res. MSC.226(82), IMO Res. MSC.323(89) and IMO Res. MSC.378(93).

Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation, batch or serial number or other elements allowing their identification and the UK Mark of Conformity (see first page). The marking shall comply with the LSA-Code (IMO Res. MSC.48(66)), item 1.2.2.9 and 2.2.1.2.