TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB000091B
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)
Lamda Auto 150 N

Issued to
Lalizas Hellas S.A.
Piraeus, **Greece**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **MSN 1874 Amendment 9,**
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 and MSC.1/Circ.1628

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

This Certificate is valid until **2029-12-11**.

Issued at **London** on **2025-01-14**

for **DNV UK Ltd.**

DNV local unit:
Piraeus

Approval Engineer:
Helge Bjørnarå

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

"LAMDA Auto 150 N"
Is an inflatable lifejacket with 150 N buoyancy. The lifejacket is equipped with a whistle, buddy line, retro reflective material, lifting loop and inflation system (manually, automatically or orally).

Chest size range: 70 – 150 cm
Min. weight: > 43 kg

This certificate covers the following four (4) variants:
1. LAMDA Auto 150 N (cat. No. 71107)
2. LAMDA Auto 150 N with zipper (cat. No 711071)
3. LAMDA Auto 150 N with plastic buckle (cat. No. 711072)
4. LAMDA Auto 150 N with zipper and plastic buckle (cat. No. 711073)

Materials used:

Material	Type designation	Manufacturer
Fabric	Textane 2I0 AIB (yellow)	See material list under Type examination documentation
Fabric	TPU1001P SP003 (yellow) TPU1001PFR (yellow) TPU1001P 003F (yellow) TPU1001P 0004 (orange)	See material list under Type examination documentation
Fabric	PVC fabric (red)	See material list under Type examination documentation

Application/Limitation

The lifejacket is approved for persons of more than 43 kg.

Retro-reflective materials shall be approved in accordance with the Marine Equipment Regulation and bear the UK Mark of Conformity.

The design assessment is based on IMO Res. MSC. 48(66) as amended by IMO Res. MSC. 207(81), IMO Res. MSC. 218(82), IMO Res. MSC. 368(93) and IMO Res. MSC. 481(102).

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

Type Examination documentation

Report	Date
Test report No. CL/PCLB2/2/2024 from PRS, Gdansk, Poland	2024-01-08
Test report No. CL/PCLB2/3/2023/k from PRS, Gdansk, Poland	2024-11-06
Test report No. 120-29975.a Force Technology, Brøndby, Denmark	2021-08-17
Test report No. TC/WjS/04/10 from PRS, Gdansk, Poland	Dec. 2009
Test report No. CL/AMU/28/2015 from PRS, Gdansk, Poland	2015-09-30
Test report No. 120-29975.b from Force Technology, Brøndby, Denmark	2021-08-17
Test report No. CL/WBO/96/2020/k from PRS, Gdansk, Poland	2024-11-06
Test report No. 121-29439.a from Force Technology, Brøndby, Denmark	2021-08-25
Test report No. TC/Wjs/18/TCL/10 from PRS, Gdansk, Poland	2010-04-10
Test report No. JH/FTL/3459c Fleetwood testing laboratory, Lancashire, UK	2023-11-13
Test report No. TC/WjS/14/TCL/10 from PRS, Gdansk, Poland	2010-10-14
Test report No. NW/FTL/2954 from Fleetwood testing laboratory, Lancashire, UK	2017-10-19
Test report No. 29/LM/2010 from Materials testing laboratory, Gdansk, Poland	2010-08-05
Test report No. 31/LM/2010 from Materials testing laboratory, Gdansk, Poland	2010-09-04
Drawing	Date
Drawing No. 71107 Rev. A - General arrangement LAMDA Auto Lifejacket 150 N-Cover	2024-06-12
Drawing No. 711071 Rev. A - General arrangement LAMDA Auto Lifejacket 150 N-Cover	2024-06-12
Drawing No. 711073 Rev. A - General arrangement LAMDA Auto Lifejacket 150 N-Cover	2024-06-12
Drawing No. 711072 Rev. A - General arrangement LAMDA Auto Lifejacket 150 N-Cover	2024-06-12
Other	Date
Operational manual	-
Material list	-

Tests carried out

Tests carried out in accordance with Revised Recommendation 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), IMO Res. MSC. 378(93) and IMO Res. MSC. 481(102) – Type I.

Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation and UK Mark of Conformity (see first page). The markings shall comply with the LSA Code (IMO Res. MSC. 48(66)), item 1.2.2.9 and 2.2.1.6.