



EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB000091B

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 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 (EU) 2024/1975,

item No. MED/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

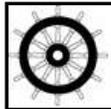
Further details of the equipment and conditions for certification are given overleaf.

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

Issued at **Hamburg** on **2024-12-12**

DNV local unit:
Piraeus

Approval Engineer:
Tessa Bieber



Notified Body
No.: **0098**



for **DNV SE**

Digitally Signed By:
Christine Mydlak-Röder
Location: DNV Hamburg,
Germany

Mydlak-Röder, Christine
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 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 210 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 Directive and bear the MED 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	-



Job ID: **344.1-013502-1**
Certificate no.: **MEDB000091B**

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 date of manufacture. The markings shall comply with the LSA Code (IMO Res. MSC. 48(66)), item 1.2.2.9 and 2.2.1.6.