HRVATSKI REGISTAR BRODOVA *Croatian Register of Shipping*

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

No. **01-016931/0113514**

THIS IS TO CERTIFY:

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

TYPE AND DESCRIPTION OF PRODUCT

PILOT LADDER ISO 799-1-S29-L10

NUMBER AND ITEM DESIGNATION (in accordance with Annex of Regulation (EU) 2024/1975)

MED/4.49 - Pilot ladder

MANUFACTURER:

3. MAJ Brodogradilište d.d.
Liburnijska 3
51000 Rijeka
CROATIA

Place of production (if different from above):

REGULATIONS AND STANDARDS
(in accordance with Annex of Regulation (EU) 2024/1975, row 1 of 1 of the MED item)

SOLAS 1974 as amended, Reg. V/23 and Reg. X/3,
IMO Res. A.1045 (27)
IMO MSC/Circ. 1428
ISO 799-1:2019

NOTICE:

1. Further details of the product and conditions for certification are given overleaf.
2. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
3. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
4. 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 Annex II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.
5. In case limitations of use apply, these should be indicated of in the Schedule of Approval.

17065·HAA 3548

Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: **2029-02-20**

Place and date: **Split, 2025-02-21**

Seal

Signature
Marinko Popović, dipl.ing.

No. **01-016931/0113514**

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

Pilot ladder designed according to dwg SB 11193 and made of mildew-resistant manila ropes, wood steps, spreader wood steps, four lowest steps of rubber material and step fixture of polyethylene of low density.

Max. length: 10 m

Number of steps: 6 - 29

Wood steps material: beech (for other material indicated on approved drawings, step flexibility, step friction and step surface durability tests should be done in accordance with ISO 799-1:2019, Sec.6, Table 2).

2. APPLICATION/LIMITATION OF USE

This examination does only consider the pilot ladder and not the installation arrangement.

Each rope shall be continuous from the top of the ladder to the bottom.

The side rope seizing to have minimum breaking strength of 800 N.

Side rope shall be of mildew-resistant manila rope meeting ISO 1181:2004, Quality 1.

Each side rope shall have a breaking strength of at least 24 kN.

3. DESIGN DRAWINGS AND SPECIFICATIONS

Main design appraisal drawings listed on letter of approval No.294/TB/AB/MD/0113514 dated 2025-02-12 (Pilot ladder SB 11193, Step of rubber SB 11194, Step of wood SB 11196, Insert SB 11197) and Embarkation ladder -Maintenance.

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

Pilot ladder was tested under witnessing of Croatian Register of Shipping by the manufacturer as per Pilot ladders-Prototype tests report dated 2025-02-19.

5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

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6. OTHER MATERIALS AND/OR COMPONENT

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7. PRODUCTION SURVEY REQUIREMENTS

The manufacturer is allowed to affix the Mark of Conformity to equipment referred and to issue a Declaration of Conformity as long as either of the following is fulfilled:

Module D - The quality system for production and testing shall be approved by the Notified Body or,

Module E - The quality system for inspection and testing shall be approved by the Notified Body or,

Module F - Compliance of the products in this EC Type-Examination Certificate is to be verified by the Notified Body who shall also issue a Certificate of Conformity.

8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

Each product is to be supplied with its instructions for use and maintenance complying with regulations and standards stated on front page.

9. MARKING AND IDENTIFICATION

Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

2489/yy *(xxxx - number of the Notified Body undertaking surveillance module (if CRS is the Notify Body than 2489 is entered) yy = last two digits of year mark affixed)*

The product is to be marked in accordance with ISO 799-1:2019, Sec. 8.1.
Each replacement step is to be marked in compliance with ISO 799-1:2019, Sec. 8.2.

10. OTHER

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out at any time, and that the manufacturer will accept responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the embarkation ladder and the conditions of this approval.

- END OF CERTIFICATE -