



EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00008TY

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Pilot ladder

with type designation(s)
DMSE-PL

Issued to

Shanghai Martian Ship Equipment Co., Ltd.
Shanghai, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2023/1667,

item No. MED/4.49. SOLAS 74 as amended, Regulations V/23 & X/3, IMO Res. A.1045(27), IMO MSC/Circ.1428

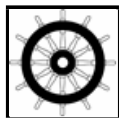
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-03-03**.

Issued at **Hamburg** on **2024-03-04**

DNV local unit:
Shanghai

Approval Engineer:
Izabela Misztal



Notified Body
No.: **0098**

for **DNV GL SE**

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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Pilot ladder with steps made of hardwood (ash, oak or beech), rubber and mildew resistant manila side ropes meeting ISO 1181:2004, Quality 1 requirements.

Steps: max. 67
Length: max. 22 m

Application/Limitation

The examination has only considered the pilot ladder and not the installation arrangement.

The installation to be approved on board.

Handholds shall be provided to ensure a safe passage to and from the pilot ladder.

The maximum length of the pilot ladder shall not exceed 22 metres in total (67 steps).

Each rope shall be continuous with no joints below the top step.

The design assessment is based on ISO799-1:2019(E).

Type Examination documentation

Tests carried out

Tests are documented in accordance with ISO799-1:2019(E), Sec.6/Table 2.

Marking of product

The product is to be indelibly marked in accordance with ISO799-1:2019, Ch.8 and the MED Mark of Conformity (see page 1).

End of Certificate