

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Embarkation ladders

with type designation(s)
Nereus

Issued to

PTR Holland Group
Europoort Rotterdam Zuid-Holland, Netherlands

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

Regulation **(EU) 2017/306**,

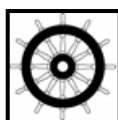
item No. MED/1.29. SOLAS 74 as amended, Reg. III/4, III/11, III/34 & X/3, LSA code, 2000 HSC code 8 and ISO 5489:2008

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

This Certificate is valid until **2022-10-22**.

Issued at **Høvik** on **2017-10-23**

DNV GL local station:
Rotterdam, Product Certification /Verification



for **DNV GL AS**

Approval Engineer:
Tessa Biever

Notified Body
No.: **0575**

Vidar Dolonen
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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-007027-1**
Certificate No: **MEDB00002T8**

Product description

Embarkation Ladder made of hard wood steps and mildew-resistant manila side ropes available in 4-151 steps (1 m ~70 m)

Application/Limitation

This examination does only consider the embarkation ladder and not the installation arrangement. Installation to be approved on board.

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

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

The aluminum clamps used for the rope seizing shall have minimum breaking strength of 800 N.

Each ferrous metal part shall be coated in accordance with ISO1461 (ISO 5489:2008 Ch.3.3.2).

Type Examination documentation

Basis for approval:

Drawing No.	Date
8-1112-1101~1170 Rev.C, Nereus Embarkation ladder, 4-151 steps	2017-10-13
8-1112-1181 Rev.A, Nereus repair step drawing	2017-10-09
8-1112-1119 Rev.C, Step Nereus	2017-07-10
Reports	
Prototype test report 004-2016, witnessed by BV	2016-03-01

Tests carried out

Tests are documented in accordance with recommendation on testing of embarkation ladder in ISO 5489:2008.

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, dimensions and date of manufacture, according to LSA Code Ch. 1.2.2.9 and ISO 5489:2008 Chapter 7.