DNV·GL

Certificate No:
MEDB00004WG

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 Norway.

This is to certify:

That the Embarkation ladders

with type designation(s)
ISO5489-S12-L4 to ISO5489-S180-L60

Issued to
Qingdao Good Brother Marine Lifesaving Appliances Co. Ltd.
QINGDAO, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397,**
item No. MED/1.29. SOLAS 74 as amended, Reg. III/4, III/11, III/34 & X/3, LSA code, 2000 HSC code 8, IMO MSC.1/Circ.1285 and ISO 5489:2008
Manufacturers authorised representative
Ruixiang Li, Köln, Nordrhein-Westfalen, Germany

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

This Certificate is valid until **2024-11-07**.
Issued at **Høvik** on **2019-11-06**

DNV GL local station:
Qingdao

Approval Engineer:
Øystein Holte

Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

NORWEGIAN ACCREDITATION PROD 019

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Job Id: **344.1-008903-1**
Certificate No: **MEDB00004WG**

Product description

Embarkation ladder made of mildew-resistant manila rope meeting ISO1181:1990, Quality 1, hardwood and rubber steps.

Steps: 12 - 180
Length: Max. 60 metres

Application/Limitation

- This examination has only considered the embarkation ladder and not the installation arrangement. Installation to be approved onboard.
- The design assessment is based on ISO5489:2008(E).

Type Examination documentation

Basis for approval:

Document	Embarkation ladders / Model ISO5489-S12-L4 to ISO5489-S180-L60
Prototype test report	Dated 2019-02-27

Tests carried out

Tests are documented in accordance with recommendation on testing of Pilot ladder in ISO5489:2008(E), Sec. 5.

Marking of product

The product is to be indelibly marked in accordance with ISO5489:2008, Sec. 7.