DNV·GL

Certificate No:
MEDB000067G

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 Means of rescue

with type designation(s)
MOR-15

Issued to
Shanghai Youlong Rubber Products Co., Ltd.
Shanghai, 020, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170,**
item No. MED/1.28. SOLAS 74 as amended, Reg. III/4, III/26 & III/34, LSA Code and IMO MSC/Circ.810

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

This Certificate is valid until **2025-11-26**.
Issued at **Hamburg** on **2020-11-27**

DNV GL local station:
Shanghai

Approval Engineer:
Michael Oberländer

Notified Body
No.: **0098**

for **DNV GL SE**

Christine Mydlak-Roeder
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.

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Product description

MOR-15 is a Means of Rescue constructed as a modified inflatable davit-launched liferaft for transfer of persons from water level to the deck of a ship.

Applications/Limitations

Number of person @ 82.5 kg lying down, max:	15
Number of persons @ 82.5 kg sitting down, max:	15
Maximum load (MOR + 15 persons @ 82.5 kg):	1383

The Means of Rescue shall at all times be attached, or ready for immediate attachment, to a dedicated launching appliance meeting the requirements of the LSA Code, item 6.1, capable of lifting the MOR with full mass of persons at 0.3 m/s from the water to the deck of the ship.

The Means of Rescue shall be packed in a container constructed according to the approval documentation below.

Gas cylinders and components in the pressure gas systems shall be of an approved type.

The design assessment is based on International Life-Saving Appliances (LSA) Code, IMO Res. MSC 48(66) as amended by IMO Res. MSC.218(82) and IMO Res. MSC.293(87) and IMO MSC/Circ.810.

Production testing shall be carried out according to requirements for davit-launched inflatable liferafts in IMO Res. MSC.81(70), part 2 and recorded by the manufacturer in compliance with the approved Production Quality Assurance System for Module D of the Marine Equipment Directive 2014/90/EC as amended.

The MOR shall be serviced at approved servicing stations in accordance with the recommendations in IMO Res. A.761(18) at intervals not exceeding 12 months, provided where in any case this is impracticable, the Administration may extend this period to 17 months.

Type Examination documentation

Basis of approval:

Drawings		**Date**
General drawing	MOR-15-00 A/0	2019-04-12
Construction drawing	MOR-15-01	2019-04-19
Gas direction drawing	MOR-15-02	2019-04-19
Floor drawing	MOR-15-03	2019-04-19
Package drawing	MOR-15-04	2019-04-19
Round container	SP-1-002-08	2017-09-01
Design instruction	YL/QI/091017-DI	2015-05-09
Main material and component list	YL-MMC-MOR	2019-05-09
Reports		**Date**
Prototype test report YL/TR-DNV-MOR-2020		2020-01-14
Shanghai Institute of Rubber Product Testing Center no.W(X)2008-1651 for main fabric		2008-12-10

Tests carried out

Prototype tests in accordance with the Recommendation on Testing of Lifesaving Appliances, IMO Res. MSC.81(70), Part 1, and IMO MSC./Circ.810, as specified in above-mentioned documentation have been witnessed and evaluated and found to be in compliance.

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, dimensions, date of manufacture and the MED Mark of Conformity (see first page). The marking shall comply with IMO MSC/Circ.810, items 2.4.2.4 and 2.4.2.9 and the LSA Code Ch. 4.2.7.