



EC TYPE EXAMINATION (MODULE B)

CERTIFICATE Nr. MED039616WS/002

This is to certify, that RINA, specified as Notified Body N° 0474 by the Italian "Ministero delle Infrastrutture e dei Trasporti Direzione Generale per la navigazione ed il Trasporto Marittimo ed Interno" on 25 November 1998, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Life-Save Appliances requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Directive 2014/93/EU

MED Item N°

Description

Type

Applicant

Testing standards

Reference standards

A. 11.1
Lifebuoys
HO5555-I HO5555-II
DONGTAI CITY HAIYOU NAVIGATION EQUIPMENT CO., LTD
NO.8 ENVIRONMENT PROTECTION & RESCUE EQUIPMENT INDUSTRIAL PARK
DONGTAI JIANGSU CHINA
IMO Res. MSC.84(70) as amended
Reg. III/7, Reg. III/34 of SOLAS 74 as amended, IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, II, IMO Res. MSC.97(73)-(2000 HSC Code) 8.

本產品證書由原件復制，加蓋本公司章生效，由本件產生
此證書復制件，影印件，傳真件均不具效力，謹防假冒！
東臺市海鵬航海設備有限公司
防偽專用章
ANTI-FORGERY STAMP

Issued at SHANGHAI on
April 25, 2016

This Certificate is valid until
April 24, 2021

This Certificate consists of this sheet plus an attachment



Giuseppe Zagaria
RINA Services S.p.A.



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Manufacturer

DONGTAI CITY HAIYOU NAVIGATION EQUIPMENT CO., LTD

Place of Manufacturer

**NO.8 ENVIRONMENT PROTECTION & RESCUE EQUIPMENT INDUSTRIAL PARK
DONGTAI JIANGSU
CHINA**

Technical Data

Type	HO5555-I	HO5555-II
Outer Diameter	715±15 mm	760±15 mm
Inner Diameter	445±15 mm	470±15 mm
Section	115±10 mm	115±10 mm
Minimum Weight of the Lifebuoy	2.5 Kg	4.3 Kg

Materials:

- Shell: High Density Polyethylene (HDPE F600), manufactured by Ningbo Xinhua Yin International Trade Co., Ltd;
- Buoyancy Material: Hard Foam Polyether (YB-BC002XM) manufactured by Jiangyin Yobo Chemical Industry Co., Ltd, and PAPI (MILLIQNATE MR-20) manufactured by Bond Polyurethane (Ryan) Co., Ltd;
- Grabline: PE manufactured by Dongtai Donglin Plastic Factory;
- Retro-reflective Tape (model H3190-I), manufactured by Changzhou Wujin Jiangnan Safety Equipment Co., Ltd.

Technical Documentation

The design assessment is based on IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81) and IMO Res. MSC.218(82).

- Technical Drawing of Lifebuoy (HO5555-I & HO5555-II) issued by Dongtai City Haiyou Navigation Equipment Co., Ltd. and approved by RINA with No.: SHFP-9082;
- Bill of Material issued by Dongtai City Haiyou Navigation Equipment Co., Ltd. and approved by RINA with No.: SHFP-9085;
- Table of Main Performance Parameters of Lifebuoy issued by Dongtai City Haiyou Navigation Equipment Co., Ltd. and approved by RINA with No.: SHFP-9086.

Tests Carried Out

Lifebuoys Evaluation and Test Report issued by Wuhan Testing Center of Marine Life-Saving Appliances, according to IMO Res.MSC.81(70) as amended by MSC.200(80) and MSC.226(82) as below:

- Evaluation And Test Report (HO5555-I) (Ref No.:2015210) and filed by RINA with No.: SHFP-9083;
- Evaluation And Test Report (HO5555-II) (Ref No.:2015211) and filed by RINA with No.: SHFP-9084;
- Drop Test (Supplement Test) issued by Dongtai City Haiyou Navigation Equipment Co., Ltd. and filed by RINA with No.: SHFP-9127;
- Test for Operation with a light and smoke signal (Supplement Test) issued by Wuhan Testing Center of Marine Life-Saving Appliances, according to IMO Res.MSC.81(70) as amended by MSC.226(82) and filed by RINA with No.: SHFP-9196.



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Field of Application

Maximum installation height: 80 meters.

Lifebuoy Type HO5555-I is not intended to operate the quick-release arrangement for the self-activated smoke signal and self-igniting light.

Lifebuoy Type HO5555-II is intended to operate the quick-release arrangement for the self-activated smoke signal and self-igniting light, attached to the lifebuoy body.

Remarks

The product is to be marked with name of manufacturer, type designation, date of manufacture, expiry and operational restrictions and approval information including approval information.

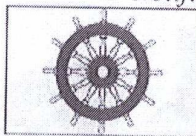
The product should be provided with brief instructions or diagrams clearly illustrating the use, also the manual operation, printed on the casing.

Production and installation testing shall be carried out according to IMO Res. MSC.81(70) part 2.



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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 B of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YY

"WHEELMARK FORMAT"

XXXX *Notified Body number undertaking surveillance module*
YY *Last two digits of year mark affixed*

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.

Giuseppe Zagaria