



EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED039318WS/001

This is to certify that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Life-Saving appliances requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2017/306.

<i>MED Item N°</i>	MED/1.4
<i>Description</i>	Life jackets
<i>Type</i>	HYJ-A5Y; HYJ-A5O
<i>Applicant</i>	JIANGSU HUAYAN MARINE EQUIPMENT CO.,LTD NO.8 HUANGJINTANG WEST ROAD, ECONOMIC DEVELOPMENT ZONE DANYANG, JIANGSU CHINA
<i>Testing standards</i>	IMO Res. MSC 81(70) as amended
<i>Reference standards</i>	SOLAS 74 Reg.III/7, SOLAS 74 Reg.III/22, SOLAS 74 Reg.III/34, IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.48(66)-(LSA Code) I, IMO Res.MSC.48(66)-(LSA Code) II, IMO Res.MSC.97(73)-(2000 HSC Code) 8, IMO MSC.1/Circ.1470.

Issued in SHANGHAI on
May 1, 2018

This Certificate is valid until
April 30, 2023

This Certificate consists of this sheet plus an attachment



Giuseppe Zagaria
RINA Services S.p.A.



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Manufacturer

JIANGSU HUAYAN MARINE EQUIPMENT CO.,LTD

Place of Manufacturer

NO.8 HUANGJINTANG WEST ROAD
ECONOMIC DEVELOPMENT ZONE
DANYANG
JIANGSU
CHINA

Name & place of Authorised Representative

MRS.ANITA WESLING
KARL-LEGIEN-STR.2, 45356 ESSEN, GERMANY

Product Description

Inherent Lifejackets for adult, Type: HYJ-A5Y (Yellow Color) and HYJ-A5O (Orange Color), with the following main components:

Components	Type	Manufactory
Fabric	Polyester Oxford	Suzhou Wujiang Heng Rong Textile Co., Ltd
Buoyancy Material	EPE Foam	Danyang Rui Tong Packing Products Co., Ltd
Tape	Black, Polypropylene	Danyang Jinhua Craft Thread and Ribbon Co., Ltd
Buckle	---	Danyang City Su Yang Metal Products Co., Ltd
Lifejacket Light	YDG1C or YDL12	Jiangsu Huayan Marine Equipment Co., Ltd
Whistle	Plastic	Jiangsu Huayan Marine Equipment Co., Ltd
Reflective Tape	---	Daoming Optics & Chemicals Co., Ltd
Suture	190 D	Danyang Shiqiang Knitting Technology Co., Ltd

Application/Limitation of Use

- This lifejacket is approved for use only by adult, whose weight is more than 43 Kg; height is higher than 155 cm.
- To fit person weighing up to 140 Kg and with a chest girth of up to 1750 mm, suitable accessories shall be provided.
- The lifejacket can be equipped with different position indicating lights and retro-reflective materials EC type provided in compliance with Directive 2014/90/EU as amended.
- The design assessment is based on IMO Res.MSC.48(66)-(LSA Code) as amended by IMO Res.MSC.207(81), IMO Res.MSC.218(82) and IMO Res. MSC.368(93).
- Tests carried out in accordance with revised recommendation on testing of lifesaving appliance, IMO Res.MSC.81(70), Part 1, including IMO Res.MSC.200(80), IMO Res.MSC.226(82), IMO Res.MSC.323(89),IMO Res. MSC.378(93).





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Reference Documents

- Technical Drawing (HYJ-A5O), approved with RINA No. SHFP-11241;
- Technical Drawing (HYJ-A5Y), approved with RINA No. SHFP-11242;
- Instruction Manual, filled with RINA No. SHFP-11243;
- RTD Buoyancy Data Sheet, filled with RINA No. SHFP-11410;
- Technical Standard, approved with RINA No. SHFP-11411;
- Component List, approved with RINA No. SHFP-11412.

Test Carried Out

- Test Report (Fabric, Yellow) (Ref No. 2017154), filled with RINA No. SHFP-11225;
- Test Report (Fabric, Orange) (Ref No. 2017155), filled with RINA No. SHFP-11226;
- Test Report (Sewing Thread) (Ref No. 2017156), filled with RINA No. SHFP-11227;
- Test Report (Structural Webbing) (Ref No. 2017157), filled with RINA No. SHFP-11228;
- Test Report (Hardware) (Ref No. 2017158), filled with RINA No. SHFP-11229;
- Lifejacket Material Evaluation and Test Report (Buoyancy Material) (Ref No. 2017159), filled with RINA No. SHFP-11230;
- Inherently Buoyant Lifejackets Evaluation and Test Report (Type: HYJ-A5Y) (Ref No. 2017150), filled with RINA No. SHFP-11239;
- Inherently Buoyant Lifejackets Evaluation and Test Report (Type: HYJ-A5O) (Ref No. 2017151), filled with RINA No. SHFP-11240.

Marking of Product

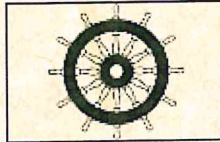
The product is to be indelibly marked with name of manufacturer, type designation and date of manufacture. The markings shall comply with the IMO Res. MSC.48(66)-(LSA Code), item 1.2.2.9 and 2.2.1.2.





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



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX *Notified Body number undertaking surveillance module*
YYYY *The year in which the mark is 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