



Certificate Of Type Approval Issued On Behalf Of Transport of Canada

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by Transport Canada to issue the relevant certificates, licences, permits etc.

Manufacturer	LALIZAS HELLAS S.A.
Address	3 Gounari Str, Piraeus, 185 31, Greece
Type	Lifebuoys
Description	Throw-over Lifebuoy, not for use with light and or smoke signals, ≥ 2.5 kg Quick release lifebuoy suitable for use with light and smoke signal, ≥ 4 kg
Trade Name	70090 Lalizas lifebuoy ring ≥ 2.5 kg 70110 Lalizas lifebuoy ring ≥ 4 kg
Specified Standard	LSA code, Regulation II/2.1 IMO Res. MSC.81(70), Part 1, as amended IMO Res. MSC.481(102)

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Lijo Thomas

Fire & Safety - Senior Surveyor to Lloyd's
Register EMEA
A member of the Lloyd's Register group

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Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



DESIGN APPRAISAL DOCUMENT

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR25398571SSTC

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

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APPROVAL DOCUMENTATION

Drawing No.	Drawing Title	Rev No	Issue Date
70090	Lifebuoy SOLAS 70090	C	29.05.2025
70110	Lifebuoy SOLAS 70110	C	29.05.2025
Instructions of Use, Version B, dated 29/05/2025			

TEST REPORTS

Report Title	Report No.	Date
Evaluation and test report (MSC/Circ. 980 Part 2.1.1 Lifebuoys) Code 70090		02/04/2007
Evaluation and test report (MSC/Circ.980 Part 2.1.1 Lifebuoys) Code 70110		02/04/2007
80 meter drop test for Code 70090	WD/WJS/15/11	15/07/2011
80 meter drop test for Code 70110	WD/WJS/15/11	15/07/2011

CONDITIONS OF CERTIFICATION

	Code 70090	Code 70110
Lifebuoy weight	>2.5 kg	>4 kg
Dimensions	ID Φ 440 \pm 10mm , OD Φ 730 \pm 15mm	ID Φ 440 \pm 10mm , OD Φ 730 \pm 15mm
Colour	Orange	Orange

- Maximum installation height is 80 m
- This lifebuoy code Type 70090 is to be stowed as to be capable of being rapidly cast loose and is not to be secured in any way, it is not suitable for use with quick release arrangements of self-activating smoke signals and self-igniting lights
- The lifebuoy code Type 70110 is to be stowed as to be capable of being rapidly cast loose and not secured in any way. The weight of this lifebuoy is considered suitable to operate the quick-release arrangement provided for a self-activated smoke signal and self-igniting light.
- Lifebuoys with lights and smoke signals shall not be provided with lifelines.
- Each lifebuoy shall be marked in block capitals of the Roman alphabet with the name and port of registry of the ship on which it is carried
- If fitted with buoyant lifelines as required by SOLAS Regulation III/7.1.2, such lifelines shall be of types complying with Regulation II/2.1.4 of the Code
- If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
- Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5.

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9. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and each item, batch, or lot be delivered with an LR Certificate of SOLAS Production Testing issued by the attending LR Surveyors following their witness of the tests. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration.
10. All instructions or markings that accompany life-saving appliances or are printed directly on the appliances must be in both English and French, as per Canadian procedures for approval of life-saving appliances and fire safety systems, equipment, and products document no. TP 14612E (11/2024) paragraph 2.2. However independent signage can be accepted in lieu of the instructions or marking required in paragraph 2.2.1.3 if it is in both English and French, highly visible (size, colour, posting location), water and weatherproof and posted at each muster station and where the appliance is stored.
11. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.

PLACE OF PRODUCTION

Xiamen Marine Industries Co.,Ltd.
No.100,Jingquan Road Jimei
Northern Industrial Area
Xiamen, 361021, China

Lijo Thomas
Senior Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s)