



PRODUCTION QUALITY ASSURANCE (MODULE D)
CERTIFICATE No. MED161922WS/003

***This is to certify** that RINA Services S.p.A. did undertake the relevant quality assessment procedures for the equipment of the manufacturer 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 (EU) 2021/1158 and according to the type described in the EC Type Examination Certificate (Module B) below indicated.*

MED Item N°	MED/1.2b
USCG Category N°	161.110
Description	Position-indicating lights for life-saving appliances: (b) for lifebuoys
Type	LNK-LB-02B
Applicant	XIAMEN LONAKO INDUSTRY & TRADE CO., LTD N 307 WEIYE BUILDING CHINA PIONEERING PARK FOR CHINESE OVERSEAS SCHOLARS XIAMEN CHINA
Module B certificate	Number MED161922WS/001 Date 04/15/2022 Notified Body RINA (No. 0474)

Issued in **SHANGHAI** on
July 11, 2022

This Certificate is valid until
October 11, 2024

This Certificate consists of this sheet plus an attachment

This certificate authorises the Manufacturer or his authorised representative established within the Community in conjunction with the EC TYPE EXAMINATION (MODULE B) CERTIFICATE to affix the following symbol on the equipment above identified.



0474/YYYY

YYYY *The year in which the mark is affixed*

USCG Approval marking

The manufacturer is allowed to affix the US Coast Guard approval number **161.110/EC0474/MED161922WS/003** as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment". signed February 27th, 2004 and amended by Decision No. 1/2018 dated February 18th, 2019





**ATTACHMENT TO
CERTIFICATE No. MED161922WS/003**

Equipment:
LNK-LB-02B

Manufacturer
XIAMEN LONAKO INDUSTRY & TRADE CO., LTD

Place of Manufacturer
N 307 WEIYE BUILDING
CHINA PIONEERING PARK FOR CHINESE OVERSEAS SCHOLARS
XIAMEN
CHINA

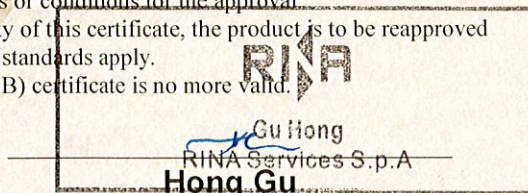
Name & place of Authorised Representative
Mr. Johannes Graf Strachwitz
Walhallastraße 38, 80639 München
GERMANY

Technical documentation

INTERMEDIATE SCHEDULED AND UNSCHEDULED AUDITS			
Due Date	Carried out on	Surveyor's signature	Surveyor's stamp
10/11/2022			
10/11/2023			

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) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- d) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- e) RINA may revoke the approval in the case of modifications to requirements or conditions for the approval
- 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.
- g) This certificate loses its validity in case the EC type Examination (Module B) certificate is no more valid.





EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED161922WS/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) 2021/1158.*

MED Item N°

MED/1.2b

USCG Category N°

161.110

Description

Position-indicating lights for life-saving appliances: (b) for lifebuoys

Type

LNK-LB-02B

Applicant

XIAMEN LONAKO INDUSTRY & TRADE CO., LTD

N 307 WEIYE BUILDING, CHINA PIONEERING PARK FOR CHINESE
OVERSEAS SCHOLARS
XIAMEN
CHINA

Testing standards

IMO Res. MSC.81 (70), as amended, EN 60945:2002 incl. IEC 60945 Corr. 1:2008, ISO 24408:2005.

Reference standards

SOLAS 74 Reg.III/7, SOLAS 74 Reg.III/22, SOLAS 74 Reg.III/32, 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.

Issued in **SHANGHAI** *on*
April 15, 2022

This Certificate is valid until
April 14, 2027

This Certificate consists of this sheet plus an attachment



Signature

Qiang Sun

RINA Services S.p.A.





**ATTACHMENT TO
CERTIFICATE No. MED161922WS/001**

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Manufacturer

XIAMEN LONAKO INDUSTRY & TRADE CO., LTD

Place of Manufacturer

N 307 WEIYE BUILDING
CHINA PIONEERING PARK FOR CHINESE OVERSEAS SCHOLARS
XIAMEN
CHINA

Name & place of Authorised Representative

Mr. Johannes Graf Strachwitz
Walhallastraße 38, 80639 München, Germany
GERMANY

Product Description

Model of light: LNK-LB-02B - Lifebuoy light upright self-igniting.

The above light is manufactured with following characteristics:

- Dimensions of main body : Ø 60*144 mm.
- Color of upper shell : Transparent
- Color of Body : Red
- Total Weight : 114g (Including clip)
- Flash Rate : 50-70 flashes / minute
- Battery : 2 x 1.5 Volt, Alkaline type LR6
- Bulb: White Powerful LED, 0.5W, 50mA

The light is supplied with a clamp for fastening closed to the lifebuoy.

Reference Documents

Booklet of Technical Drawings approved by RINA with No.: CSST-8903.

Technical Specifications edit by Xiamen LONAKO and approved by RINA with No.: SHF- 20217.

Operation and Maintenance Instructions edit by Xiamen Lonako and approved by RINA with No.: CSST-8904.

Tests Carried Out

Evaluation and Test Report edit by RINA Shanghai Office in accordance with IMO Res. MSC.81(70) as amended by Res. MSC.226(82) and filed by RINA with No.: CSST-8907;

Inspection Report (Ref.: No.2010YW036 and No. 2012YW033) edit by National Supervision and Testing Center of Fishery Machinery and Instrument and filed by RINA with No.: CSST 8908 and SHFP-20203 (including tests of ISO 24408:2005);

Tet Report (Ref.: No.2009227) edit by Center of Analysis & Measurement of Shanghai Institute of Industrial Microbiology and file db by RINA with No.: CSST-8910;

RINA Services S.p.A.
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Continued:

Additional Evaluation and Test Report (Ref.: No.2022LB-02B) edit by XIAMEN LONAKO INDUSTRY & TRADE CO., LTD according to Chapter 8.3, 8.5, 8.6, 8.9 and 11.2 of IEC 60945:2002 incl. IEC 60945 Corr.1 (2008) and filed by RINA with No.: SHFP-20204.

Field of Application

Lifebuoy self-igniting light is designed in compliance with MSC48(66) (LSA Code) with a maximum drop height of 30m.

Notes

Previous MED Module B certificate No.: MED096117WS was annulled and replaced accordingly.



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CERTIFICATE No. MED161922WS/001
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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

USCG Approval marking

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment signed February 27th, 2004 and amended by Decision No. 1/2018 dated February 18th, 2019 according to U.S. Coast Guard approval category 161.110.

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 MED.

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.



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