

KR HELLAS LTD.
41, Athinas Av., Vouliagmeni,
GR-16671, Athens, Greece

TEL: +30-210-428-6736
FAX: +30-210-428-6728



Certificate No:
MED-MB-1280-22
MED Item No. : MED/1.9

This consists of 3 pages.
Page 1/3

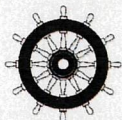
EC TYPE-EXAMINATION CERTIFICATE

as per Module B
of European Council Directive 2014/90/EU on Marine Equipment (MED)

THIS IS TO CERTIFY that KR Hellas Ltd., designated by the Hellenic Republic as Notified Body according to Council Directive 2014/90/EU on Marine Equipment, did undertake the EC Type Examination procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU:

Manufacturer	Name	: LALIZAS HELLAS S.A.
	Address	: 3, Gounari, 18531 Piraeus, Greece
Authorised Representative	Name	: -
	Address	: -
Regulation Item (MED item designation) and (if applicable)		: Hand Flares (Pyrotechnics)
USCG Approval Category		: 160.121/EC2198
Product Types		: LALIZAS ASTROS hand flares
Specified Standards <i>Commission Implementing Regulation</i> <i>[(EU) 2023/1667] - Row 2 of 2</i>		: SOLAS 74 Reg. III/4, III/34, X/3, IMO Res. MSC.36(63) - (1994 HSC Code) 8, IMO Res. MSC.48(66) - (LSA Code) I & III, IMO Res. MSC.97(73) - (2000 HSC Code) 8, ISO 15736:2006, IMO MSC.1/Circ. 1629, IMO Res. MSC.81(70) as amended.
Date of issue		: 13 th December 2022
Date of reissue		: 1 st December 2023
Expiration Date		: 8 th September 2026

Issued at Athens, under the authority of the Hellenic Republic by **KR Hellas Ltd.**



Notified Body No.2198



(KRH Endorse)

Dr. Park Joo-sung

CEO of KR Hellas Ltd.



Any person not a party to the contract pursuant which this document is delivered may not assert a claim against KRH for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgment, fault or negligence committed by personal of KRH in establishment or issuance of this document, and in connection with any activities for which it may provide. In this provision KRH shall mean the KR Hellas Ltd. as well as all its subsidiaries, directors, officers, employees and any other acting on behalf of KR Hellas Ltd.



Certificate No:
MED-MB-1280-22
MED Item No. : MED/1.9

Page 2/3

Attachment to EC Type Examination Certificate (1/2)

Type examination documentation:

1. EU Type Examination Certificate MED-MB-1280-22 is based on approved Technical file of Pyrotechnourgiki S.M. LTD. and the Certificate MED-MB-1014-11 issued on 1st December 2023 for MED item 1.9 Hand Flares (Pyrotechnics) and for the product type JUPITER K2.

Test reports:

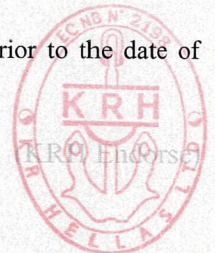
Report No.	Title of Report	Inspection & Test Institutes	Date
KRH-MED-0064-2023	Report of conformity assessment for Module B	KR HELLAS LTD.	14/11/2023
KRH-MED-0330-2022	Report of conformity assessment for Module B	KR HELLAS LTD.	30/11/2022
KRH-MED-0288-2022	Report of conformity assessment for Module B	KR HELLAS LTD.	21/09/2022
KRH-MED-0432-2021	Report of conformity assessment for Module B	KR HELLAS LTD.	07/09/2021

Product description:

Casing Length	230 ± 2 mm
Diameter	26 ± 2 mm
Weight	181 ± 3 g
Body material	Steel
Burning time of illumination agent	Over 60 seconds

Application/Limitations of Use:

1. This certificate is based on the agreement between Lalizas Hellas S.A. and the original equipment manufacturer Pyrotechnourgiki LTD dated 21st November 2022.
2. This certificate will not be valid if the original equipment manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the notified body named on this certificate.
3. Instructions and manual for use, inspection and onboard maintenance shall be provided onboard and available in the ship's official language.
4. The date of expiry shall be marked on the flares and the equipment shall be replaced prior to the date of expiry.






Certificate No:
MED-MB-1280-22
MED Item No. : MED/1.9

Page 3/3

Attachment to EC Type Examination Certificate (2/2)

Marking of product:

1. Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity  according to Chapter 2, Article 9, 10 of the Council Directive 2014/90/EU (MED) on marine equipment and issue a Declaration of Conformity, only when one of the production modules D or E or F of Annex II has been completed and will appear on the production module certificate as allowed by this directive.

2. 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 (USCG Approval Category). 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 this Directive (MED).

Conditions of the validity:

1. The products are to be manufactured in accordance with the approved production quality assurance system (Module D) or approved product assurance system (Module E), or are to be subjected to product verification (Module F) of the Council Directive 2014/90/EU (MED) on Marine Equipment.
2. If the Directive or the applied Standard(s) is amended, the product is to be re-approved in accordance with the amended requirements prior to it being supplied to vessels to which the amended Directive or Standard(s) apply. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid.
3. The Manufacturer must inform the "Notified Body" of all modifications which may affect compliance with the requirements.
4. The wheel mark of conformity and the U.S. Coast Guard approval number (when applicable) shall be affixed to the product and a Declaration of Conformity shall be issued by the manufacturer only when the production/product assessment module has been completed and will appear on the production module certificate (module D, E or F) as allowed by the MED.

Place of production:

Eleonas Thibes, Biotia, Greece

Remarks:

- Reissued on 1st December 2023 to change the name of the original manufacturer.

End of Certificate

