



Lloyd's
Register

Notified Body authorised by the MCA



Maritime &
Coastguard
Agency

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), designated as a "notified body" under the terms of the Merchant Shipping (Marine Equipment) Regulations 2016, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Life Saving Appliance requirements of Marine Equipment Directive (MED) 2014/90/EU subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer (Applicant)	Lalizas Hellas SA
Address	3 Gounari Street 185 31 Piraeus Greece
Reference/Regulation Item (No & Item designation)	A.1/1.30 - Retro-Reflective Materials
Product Type	Retro-Reflective Materials
Product Description	Retro-Reflective Tape - Class II "LA70180"
Specified Standard	IMO Resolution A. 658(16)

The attached Design Appraisal Document (schedule) forms part of this certificate.
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue 11 October 2016 Expiry date 10 October 2021

Certificate No. MED 1650253

Signed

Sheet No. 1 of 3

Name

L. Thomas
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

Note:

This certificate is issued under the authority of the MCA.
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 the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.

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Lloyd's Register Verification Limited

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Email med@lr.org

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Document number
MED 1650253

Issue number
1

DESIGN APPRAISAL DOCUMENT

Date 11 October 2016	Quote this reference on all future communications SOUTSO/SFS/TA/LT/EK/WP25620107
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1650253

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

EXAMINED DOCUMENTATION

DM1101 (LA70180) Solas Tape for safety at sea - DM products Technical data sheet, undated document
Technical Specification Q/ZDM06-2012, dated 23/08/2016.

TEST REPORTS

Retro-reflective sheeting DM1101A Test Report No 2015022, conducted at Wuhan Testing Centre of Marine Life-saving Appliances, in accordance with IMO Res. A.658 (16) and dated 7th July 2015.

CONDITIONS OF CERTIFICATION

1. The material shall be marked and identified as required by the applicable regulations
2. Approval of this material is only applicable to its use when applied to Life-Saving Appliance as defined by the applicable Regulation stated on Page 1 of this Certificate
3. The Retro-Reflective Material shall be fitted in accordance with Annex 1 of IMO Resolution A.658 (16)
4. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply
5. Production items are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or Product Verification (Module F) of the Marine Equipment Directive
6. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and be recorded by the manufacturer in accordance with either the approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or witnessed by the Notified Body as required by the Product Verification (Module F) of the Marine Equipment Directive. 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
7. Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity"
8. 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



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DESIGN APPRAISAL DOCUMENT

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1650253

PLACE OF PRODUCTION

Daoming Optics & Chemical Co., Ltd
No.001 Yingbin Road
3rd Xiangzhu Industrial Zone
321313 Yongkang, Zhejiang Province
People's Republic of China



Lijo Thomas
Senior Specialist
Statutory Fire & Safety
Southampton Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

