Lloyd's Register

Maritime & Coastguard Agency

Notified Body authorised by the MCA

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that :

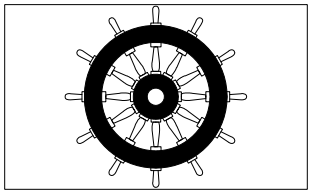
LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Life Saving Appliance requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC, 2009/26/EC, 2010/68/EU, 2011/75/EU, 2012/32/EU and 2013/52/EU subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer	Xiantao Deming Healthcare Products Co., Ltd
Address	No.198, Pengchang Ave Xiantao City Hubei People's Republic of China
Annex A1 Item	**A.1/1.7 THERMAL PROTECTIVE AIDS**
Product Type	**THERMAL PROTECTIVE AIDS**
Product Description	Thermal Protective Aids suitable for use in survival craft only - Type: "MF206D"
Specified Standard	IMO Resolution. MSC.81 (70) Part 1 as amended.

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	3 February 2015	Expiry date	2 February 2020
Certificate No.	MED 1550036	Signed	London office Lloyd's Register EMEA
Sheet No	1 of 3	Name	N. Ramos For and on behalf of Lloyd's Register Verification **LRV EC Distinguishing No. 0038**

Note:
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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Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.
yy Last two digits of year mark affixed.

This certificate is issued under the authority of the MCA.

Lloyd's Register Verification Limited (Reg. no. 4929226) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK.
A subsidiary of Lloyd's Register Group Limited.

Lloyd's Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Telephone 020 7423 2416 Fax 020 7423 2053
Email med@lr.org

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
3 February 2015	MTES/SFS/TA/DQW/NR/WP20200483

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1550036

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

Operation and maintenance leaflet.

TEST REPORTS

Prototype Test Report as per MSC/Circ. 980, Report No 2014114, carried out at Wuhan Testing Centre of Marine Life-saving Appliances and dated 1st September 2014 and 11th October 2014.

SGS Laboratory Test, Test Report No SHIN1501001187PS dated 9th of January 2015.

CONDITIONS OF CERTIFICATION

1. The Thermal Protective Aids is only approved for minimize the effects of hypothermia. It is not intended to worn in water.
2. The Thermal Protective Aids is only approved for use by persons within a height range of 1.55-1.82m and maximum weight of 87 kg, and shall be marked accordingly.
3. Each Thermal Protective Aids shall be marked with additional data required by the applicable regulations.
4. Instruction for use shall be provided with each Thermal Protective AIDs as prescribed by SOLAS Regulation III/35 one or more additional copies shall be provided for inclusion in the vessel's Training Manual.
5. As prescribe by SOLAS Regulation III/36 and where applicable, Thermal Protective Aids shall be maintained as prescribed by the manufacturer's instructions.
6. When supplied to survival craft manufacturers or direct to users or their suppliers, separate copies of the instructions for use and maintenance are to be included in each delivery for inclusion in a ships training manual.
7. The on board arrangements and installation of this product are not part of this Design Appraisal or Certificate. All such arrangements are to be to the satisfaction of the Surveyors attending on board.
8. 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.
9. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.

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Document number
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Issue number
1

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10. 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 (LRV) 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.
11. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.
12. 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

Xiantao Deming Healthcare Products Co., Ltd
No.198, Pengchang Ave,
Xiantao City, Hubei
People's Republic of China

N. Ramos
Specialist
Fire & Safety
Marine Technology and Engineering Services
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

