



Lloyd's  
Register

## CERTIFICATE OF TYPE APPROVAL

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 contracting governments to issue the relevant certificates, licences, permits etc.

**Manufacturer** Xiantao Deming Healthcare Products Co., Ltd

**Address** No.198, Pengchang Ave  
Xiantao City  
Hubei  
People's Republic of China

**Product Type** THERMAL PROTECTIVE AIDS

**Product Description** Thermal Protective Aids suitable for use in survival craft only - Type: "MF206D"

**Specified Standards** IMO Resolution. MSC.81 (70) Part 1 as amended.

**The attached Design Appraisal Document forms 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.**

Date of issue 3 February 2015

Expiry date 2 February 2020

Certificate No. SAS S150015

Signed

Fire & Safety, MFE5  
Lloyd's Register EMEA  
  


Sheet No 1 of 3

Name

N. Ramos  
Surveyor to Lloyd's Register EMEA  
A Member of the Lloyd's Register Group

### 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 Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate.**

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 the '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.



Page	2 of 3
Document number	SAS S150015
Issue number	1

## DESIGN APPRAISAL DOCUMENT

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

### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S150015

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.

#### 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 1<sup>st</sup> September 2014 and 11<sup>th</sup> October 2014.

SGS Laboratory Test, Test Report No SHIN1501001187PS dated 9<sup>th</sup> of January 2015.

#### CONDITIONS OF CERTIFICATION

1. The Thermal Protective Aid 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 Aid 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 are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5.
10. 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.



Lloyd's  
Register

## Lloyd's Register EMEA

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email [med@lr.org](mailto:med@lr.org)

Page	3 of 3
Document number	SAS S150015
Issue number	1

### DESIGN APPRAISAL DOCUMENT

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

#### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S150015

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

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  
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).*