

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

**That the Immersion suits and anti-exposure suits designed to be worn WITHOUT a lifejacket:
Immersion suit with inherent insulation**

with type designation(s)
DFB-II

Issued to

**Dongtai City Dongfang Marine Fitting Co., Ltd.
Dongtai 100, China**

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2015/559,**

**Annex A.1, item No. A.1/1.6b and Annex B, Module B in the Directive; SOLAS 74 as amended,
Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code and 2000 HSC Code 8**

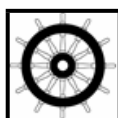
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-12-12.**

Issued at **Hamburg** on **2016-12-13**

DNV GL local station:
Nantong CMC

Approval Engineer:
Roland Priebe



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzus
Head of Notified Body

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Job Id:
Certificate No: **MEDB00001ZD**

Product description

The DFB-II is an insulated immersion suit, designed to be worn without a lifejacket.

Application/Limitation

- Position indicating light and retro-reflective materials shall be approved in accordance with European Marine Equipment Directive(96/98/EC as amended).
- The design assessment is based on IMO Res.MSC.48(66) as amended by MSC.207(81) and MSC.218(82).
- Production tests shall be conducted for each suit in accordance with IMO Res. MSC.81(70), Part 2.

Type Examination documentation

The following documentation is basis for the approval:

Evaluation and test rep. from Wuhan Marine Lifesaving Equipment Quality Inspection Center dated 2006-10-23.

Test report from Wuhan Testing Center of Marine Life-saving Appliances No. 2016048 dated 2016-04-18.

This certificate replaces the previous MED Certificate 19936-11 HH.

Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70) part 1, including IMO Res. MSC.200(80), MSC.226(82) and MSC.323(89).

Marking of product

The product is to be indelibly marked with the name of manufacturer, type designation, dimensions and date of manufacture. The marking shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9.