

# 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 Lifejackets

with type designation(s)  
**DFY-I/II/III (adult sizes) and DFTY-I (child size)**

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.1/1.4 and Annex B, Module B in the Directive. SOLAS 1974 as amended, Reg. III/4, III/7, III/22, III/34 & X3, LSA Code, 2000 HSC Code 8 and IMO MSC/Circ.922.**  
Manufacturers authorised representative  
**Cobalt Blue Ltd.**  
**Piraeus, Greece**

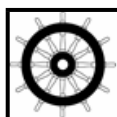
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-02-14**.

Issued at **Hamburg** on **2017-02-15**

DNV GL local station:  
**Nantong CMC**

Approval Engineer:  
**Roland Priebe**



Notified Body  
No.: **0098**

for **DNV GL SE**

**Sven Dudszus**  
**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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



### Product description

The DFY-I is an adult lifejacket with 190 N buoyancy.  
The DFY-II is an adult lifejacket with 147 N buoyancy.  
The DFY-III is an adult lifejacket with 155 N buoyancy.  
The DFTY-I is a child lifejacket with 85 N buoyancy.

Material: Terylene Oxford Textile  
Buoyant Material: EPE Foamed Polyethylene

### Application/Limitation

- This certificate replaces the previous MED-B Certificate 37252-12 HH.
- Retro-reflective material and night light shall be approved in accordance with the Marine Equipment Directive and be "wheelmarked".
- The design assessment is based on IMO Res. MSC 48(66) as amended by IMO Res. MSC 207(81) and IMO Res. MSC 218(82).
- Production testing shall be carried out according to IMO Res. MSC 81(70), part 2 as amended.
- IMO MSC/Circ.922 is not applicable for this lifejacket type.

### Type Examination documentation

The following documentation is basis for the DNV GL approval:

|                                                                                                                                                  |                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Test report No. 2010088, 2010089 and 2010090<br>and 2010140<br>and 2016039<br>from the Wuhan Testing Centre of Marine Life-<br>saving Appliances | 2011-01-26<br>2011-03-16<br>2016-04-15 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|

### Tests carried out

Tests carried out in accordance with Revised Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC. 81(70), part 1, including IMO Res. MSC 200(80), IMO Res. MSC 226(82), IMO Res. MSC 323(89) and IMO Res. MSC 368/378(93).

### Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation, batch or serial number or other elements allowing their identification. The markings shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9, 2.2.1.2 and 2.2.1.10.