



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 (S.I. 2016 No.1025), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection equipment requirements of Marine Equipment Directive (MED) 2014/90/EU and Commission Implementing Regulation (EU) 2018/773 indicating design, construction and performance requirements and testing standards for marine equipment, subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer (Applicant)	Dafo Fomtec AB
Address	Vindkraftsvagen 8 135 70 Stockholm
Reference	Regulation 2018/773
Regulation Item (No & Item designation)	MED/3.58 - FIXED LOW EXPANSION FOAM FIRE EXTINGUISHING SYSTEMS COMPONENTS FOR MACHINERY SPACES AND TANKER DECK PROTECTION MED/3.59 - EXPANSION FOAM FOR FIXED FIRE EXTINGUISHING SYSTEMS FOR CHEMICAL TANKERS
Product Type	FOAM CONCENTRATE
Product Description	"Fomtec® FP 3% AR" Protein-Based Alcohol Resistant Firefighting Foam
Specified Standard	IMO MSC.1/Circ. 1312 and MSC.1/Circ. 1312/Corr.1

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 19 March 2018 Expiry date 22 February 2022

Certificate No. MED 1750024/M3 Signed 

Sheet No. 1 of 3 Name B. Geary
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

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Document number	MED 1750024/M3
Issue number	1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
4 July 2018	SOUTSO/SFS/TA/BG/WP31169705

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1750024/M3

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.

APPROVAL DOCUMENTATION

Lloyd's Register Gothenburg Certificate No. GOT 1610490/2 dated 24 August 2016, Witnessing of Testing of Foam Concentrate According to IMO MSC.1/Circ. 1312

CONDITIONS OF CERTIFICATION

1. Foam Concentrate Type "Fomtec® FP 3% AR" Protein-Based Alcohol Resistant Firefighting Foam: To be used in 3% concentration in suitable equipment for hydrocarbon fuel and polar solvent fuel applications
2. Foam concentrate should be stored above its freezing temperature of -15°C
3. The storage container should be compatible with the foam concentrates throughout the service life of the foam
4. To be tested after a period of 3 years and every year thereafter to verify that they remain fit for service in accordance with Annex 4 and 5 of the test standard, by independent laboratories or authorised service suppliers acceptable to the Administration. In addition, the foam shall be subjected to a stability test with acetone performed prior to delivery to the ship and annually thereafter in accordance with the Annex 4.7 of the test standard
5. It is to be confirmed that the test standard is acceptable for the project and application envisaged
6. 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
7. 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



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PLACE OF PRODUCTION

Dafo Fomtec AB
Garnisonsgatan 47A
254 66
Helsingborg



Ben Geary
Technical Manager
Statutory Fire & Safety
Southampton Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

**NOTIFIED BODY CERTIFICATE
TRANSFER OF RESPONSIBILITY** Lloyd's Register

Certificate No: 0525-MED-DE-MED 1750024/M3

This certificate transfers Lloyd's Register Verification Ltd. (0038)
Certificate No: MED 1750024/M3
Issued on: 19 March 2018
to the responsibility of EU Notified Body No. 0525
(Lloyd's Register Deutschland GmbH)

Date of Original Certificate: 19 March 2018
Date of Current Certificate: 31 December 2020
Date of Certificate Expiry: 22 February 2022

Antje Herms-Bondzio
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