



Certificate number: 65254/B0 MED

File number: ACI 7000/044/005

Item number: MED/3.2

This certificate is not valid when presented without the full attached schedule composed of 7 sections. Full certificate is to be requested to the manufacturer www.veristar.com

Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2025/1533 of 23 July 2025

This certificate is issued to:

LINGJACK ENGINEERING WORKS PTE LTD

No. 1, Woodlands Terrace, #03-01, Lingjack Industrial Building, 738471, Singapore, SINGAPORE

for the type of product

PORTABLE FIRE EXTINGUISHERS

COMBAT/LINGJACK/LJSAFE POWDER FIRE EXTINGUISHER TYPES C-6ACE, C-9ACE AND C-12ACE

Requirements:

Row 2 of 2 of Regulation (EU) 2025/1533:

SOLAS 74 convention as amended, Regulations II-2/4, II-2/10, II-2/18, II-2/19, II-2/20, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

IMO Res. MSC.98(73) -(FSS Code)- as amended by MSC.206(81), MSC.217(82), MSC.292(87), MSC.311(88), MSC.327(90), MSC.339(91), MSC.367(93), MSC.403(96), MSC.410(97), MSC 457(101) and MSC.484(103), 4

IMO Res. MSC.391(95) - (IGF Code)- as amended, 11

IMO Res. A.951(23), IMO MSC/Circ.1239 incl. Corr.1 and IMO MSC/Circ.1275

EN 3-7:2004 incl. /A.1:2007, EN 3-8:2021, EN 3-9:2006 incl. /AC:2007 and EN 3-10:2009

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate will expire on: 27 Aug 2031

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV SINGAPORE, on 27 Aug 2026,

Shivananda Upadhya

This certificate was created electronically and is valid without signature



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

COMBAT/LINGJACK/LJSAFE POWDER FIRE EXTINGUISHER TYPES C-6ACE, C-9ACE AND C-12ACE

Type	C-6ACE	C-9ACE	C-12ACE
Capacity	6 kg	9 kg	12 kg
Medium	ABC 40 dry chemical powder from Foshan Nanhai Huayang Fire Fighting Equipment Co., Ltd.	ABC 40 dry chemical powder from Foshan Nanhai Huayang Fire Fighting Equipment Co., Ltd.	ABC 40 dry chemical powder from Foshan Nanhai Huayang Fire Fighting Equipment Co., Ltd.
Temperature Range of Use	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
Discharge Time	17 s	19 s	24 s
Propelling Gas	CO ₂ ; 110 g	CO ₂ ; 150 g	CO ₂ ; 225 g
Total Weight	10.5 kg	14.5 kg	18.0 kg
Pressure at maximum operating temperature	10.3 bar	14.6 bar	19.7 bar
Test Pressure (cylinder)	27 bar	27 bar	30 bar
Diameter	181 mm	181 mm	181 mm
Overall Height	515 mm	542 mm	645 mm
Hose Length	402 mm	490 mm	575 mm
Fire Class	27A/144B	43A/233B	55A/233B

Other materials and/or components:

Cylinder	Steel
Operating Valve	Copper Zinc Alloy
Discharge tube	Aluminium
Siphon Tube	Aluminium
Hose	Black braided PVC
Nozzle	UPVC Plastic
Hook Bracket	Stainless steel

2. DOCUMENTS AND DRAWINGS:

2.1 - Design Drawings

Type	C-6ACE	C-9ACE	C-12ACE
ASSEMBLY DRAWING	20801504 Issue A dated 10/02/2009	20801608 Issue A dated 10/02/2009	20801649 Issue A dated 10/02/2009
VALVE ASSEMBLY	03000700 Issue A dated 07/04/2007	03000700 Issue A dated 07/04/2007	03000700 Issue A dated 07/04/2007
CYLINDER	03098400 Issue B dated 05/12/2022	03098600 Issue B dated 05/12/2022	03098300 Issue B dated 05/12/2022
CO ₂ CARTRIDGE	03002400 revision 2 dated 18/07/2017	03002300 revision 2 dated 04/08/2015	03001900 revision 0 dated 18/01/2017
SIPHON TUBE	03032401 Issue A dated 10/02/2009	03032501 Issue A dated 10/02/2009	03039205 Issue A dated 10/02/2009
DISCHARGE TUBE	03032902 Issue A dated 10/02/2009	03039204 Issue A dated 10/02/2009	03039206 Issue A dated 10/02/2009
HOSE + NOZZLE	03002503 Issue A dated 10/02/2009	03002601 Issue A dated 10/02/2009	03160400 Issue A dated 03160400
HOOK BRACKET	03021702 Issue A dated 10/02/2009	03021702 Issue A dated 10/02/2009	03021702 Issue A dated 10/02/2009

2.2 - Installation, operation and maintenance instructions:

-As per Manufacturer's document n°LJS-IOM-102 Rev G dated 06/04/2021.

2.3 - Safety data sheet for the extinguishing media:

-ABC fire extinguishing dry powder n° HYMS2300081 dated 24/01/2023 (effective date 29/01/2023).

2.4 - Inspection and testing plan:

- As per Manufacturer's document N°LEW-QR-PROD-003-PFX(01) Rev. 05 dated 20/08/2024

3. TEST REPORTS:3.1 - C-6ACE:

-Test report n°7191378719-MEC26/01-TQH dated 13/03/2026 as per EN 3-8:2021 from TÜV SÜD PSB Pte. Ltd., Singapore.,
-TPED certificate n°0036-059-13 revision 0 dated 24/05/2013 from TÜV SÜD Industrie Service GmbH.

3.2 - C-9ACE:

-Test report n°7191378719-MEC26/02-TQH dated 13/03/2026 as per EN 3-8:2021 from TÜV SÜD PSB Pte. Ltd., Singapore.,
-TPED certificate n°0036-059-13 revision 0 dated 24/05/2013 from TÜV SÜD Industrie Service GmbH.

3.3 - C-12ACE:

-Test report n°7191378719-MEC26/05-TQH dated 13/03/2026 as per EN 3-8:2021 from TÜV SÜD PSB Pte. Ltd., Singapore.,
-TPED certificate n°0036-060-13 revision 0 dated 24/05/2013 from TÜV SÜD Industrie Service GmbH.

-Test report n°P128009-1001A dated 12/02/2025 as per EN 3-7:2007 from BRE Global, UK.

-LPCB certificate n°501a Issue 11 dated 16/06/2025 as per EN 3-7:2004+A1:2007 and EN 3-8:2021 from BRE Global, UK.

4. APPLICATION / LIMITATION:

4.1 - Manufacturer's instruction for maintenance and recharging the extinguishers should be kept on board.

4.2 - The extinguishers are to be installed according to manufacturer's instructions.

4.3 - Due to the type of extinguishers covered by this certificate (i.e. extinguisher with cartridge), the standard EN 3-9:2006 incl. AC:2007 quoted in the requirements in front page is not applicable.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - For information concerning the production phase modules, **LINGJACK ENGINEERING WORKS PTE LTD** has declared the following manufacturing site(s):

LINGJACK ENGINEERING WORKS PTE LTD
No. 1, Woodlands Terrace, #03-01
Lingjack Industrial Building
SINGAPORE

5.3 - The manufacturer shall institute quality control procedure in order to ensure that the extinguishers "C-6ACE", "C-9ACE" and "C-12ACE" is produced in accordance with the requirements stated on the front page of this certificate and to keep records of any production tests carried out in accordance these requirements.

6. MARKING OF PRODUCT:

As per IMO Resolution A951(23) paragraph 8, EN standard and the provisions of the Directive:

- 1 - Model designation
- 2 - Manufacturer's name and address
- 3 - Type of fire and rating for which the extinguisher is suitable
- 4 - Type and quantity of extinguishing medium
- 5 - If applicable, the identification of the propellant gas
- 6 - Instruction for use, recharge and periodic maintenance (*it is recommended that operating instructions be given in pictorial form, in addition to explanatory text in language understood by the likely user*)
- 7 - Year of manufacture
- 8 - Temperature range over which the extinguisher will operate satisfactorily
- 9 - Test pressure
- 10 - Each extinguisher shall be marked to indicate that it is suitable for the use on live electrical equipment
- 11 - Reference to the European Standard EN 3

12 - Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

7. OTHERS:

7.1 - It is **LINGJACK ENGINEERING WORKS PTE LTD**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This Certificate supersedes EC Type Examination Certificate N°65254/A0 MED issued on 01/06/2021 by the Society.

***** END OF CERTIFICATE *****