



MARINE DIVISION

Certificate number: 13135/B4 EC

File number: LSA 5338/32

Annex A1 Item number: A.1/1.14

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC

EC TYPE EXAMINATION CERTIFICATE

*as per Module B of European Union Council Directive 96/98/EC on marine equipment
as amended by Commission Directive 2011/75/EU*

This certificate is issued to

SURVITEC SAS
CHEVANCEAUX - FRANCE

for the type of product

AUTOMATICALLY SELF-RIGHTING LIFERAFTS

SURVITECZODIAC 6 man throw-over self-righting SOLAS A and B pack inflatable liferaft, packed in container

Requirements:

SOLAS 74 Convention as amended,

Reg. III/4, X/3, III/26 & III/34

IMO Res. MSC.48(66) amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87) & MSC.320(89)

IMO Res. MSC.36(63) 8 - IMO Res. MSC.97(73) 8

IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89) & MSC.323(89)

IMO MSC/Circ.809 including Add.1, IMO MSC/Circ.811 & IMO MSC/Circ.980

This certificate is issued under the French Maritime Authority to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended.


This certificate will expire on: 09 Nov 2014

For BUREAU VERITAS Notified Body 0062,

At BV BORDEAUX, on 23 Jan 2013,

Raphael Garnier



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 B 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. 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 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 Division 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 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:

Life-raft Type 06 TO SR - SURVITECZODIAC 6 man throw-overboard self righting with a SOLAS A pack or a SOLAS B pack

| Overall dimensions of the inflated liferaft (mm) | | | Working pressure (mb) |
|--|-------|--------|-----------------------|
| Length | Width | Height | |
| 2618 | 1950 | 1186 | 206 |

As indicated in the technical documentation submitted by the Applicant.

2. DOCUMENTS AND DRAWINGS:

- Drawings and specifications:

| Number | Title | Issue | Date |
|-----------|---|-------|------------|
| CHXBE 324 | SURVITECZODIAC 06 PLACES TO SR SOLAS pack A & B | B | 20/12/2012 |

- Material and components :

| Number | Title | Issue | Date |
|------------|---|-------|------------|
| D.I.F 02 | Suppliers file for liferafts COASTAL-TO-TOSR-DL-DLSR-ORIL | H | 17/10/2012 |
| 75557:1203 | Test certificate – inner canopy | - | 11/12/2003 |

- Manual(s) for installation use and maintenance.

No departure from these documents is permitted without the prior consent of the Society.

3. TEST REPORTS:

| DATE | TEST | |
|------------|-------------|--|
| 29/07/2003 | BE 046/03 | Initial type test report of the liferaft |
| 01/06/2005 | BE 070/2005 | Additional Drop test & Inflation Test EPS |
| 10/10/2003 | BE 061/03 | Submergence test |
| 06/03/2000 | BE29/00 | Water pocket test |
| 04/02/1991 | 12/91 | 30 Days mooring out test |
| 01/1998 | 150D/S10 | Wind velocity test |
| 22/01/2010 | BE 047/2009 | Additional drop test (new pyro) |
| 22/01/2010 | BE 003/2010 | Additional drop test (new water / food rations) |
| 25/10/2011 | BE 042/2011 | Additional Type tests related to the modification of the assumed average mass of the persons (from 75kg to 82.5kg) |
| 27/06/2012 | BE 050/2012 | Additional test of the liferaft painter system |
| 23/10/2012 | BE 067/2012 | Additional test - Inflation test |

TOWING FORCE

| | With the sea anchor deployed | Without the sea anchor deployed |
|------------------|------------------------------|---------------------------------|
| Towed at 2 knots | 87 daN | 41 daN |
| Towed at 3 knots | 157 daN | 71 daN |

4. APPLICATION / LIMITATION:

- As per requirements stated on front page of this certificate.
- Maximum capacity: 06 persons.
- The liferaft may be approved for extended service intervals up to 30 months in accordance with SOLAS Ch. III Regulation 20.8.3. Such extended service intervals must be approved by ship flag administration and the liferaft must be checked onboard in accordance with SOLAS Ch. III Regulation 20.8.3.2
- The maintenance of the life-raft shall be carried out according to the IMO Resolution A.761 (18) as amended and with instructions stated in the Manual(s) for installation use and maintenance.

| Maximum stowage height (m) | Container | Pack | Weight (kg) |
|----------------------------|---------------------------------------|-------|---------------|
| 25 | Cylindrical container + Container EPS | A & B | 72 PA & 58 PB |
| 18 | LPC container | A & B | 72 PA & 55 PB |

5. PRODUCTION SURVEY REQUIREMENTS

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 E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

The manufacturer shall institute a quality control procedure to ensure that the inflatable liferaft are produced to the same standard as the approved prototype and shall keep records of any production tests carried out in accordance with instructions given in IMO Resolution MSC.81 (70) Part 2.

Each liferaft intended to be fitted onboard a ship registered to a National register adhering to the Directive shall be delivered with a Declaration of Conformity.

Each equipment, or batch of equipment, is to be supplied with its Manual(s) for Installation, use & maintenance and instructions for servicing stations for frequency and tests to be carried out according to IMO Resolution A.761(18). The servicing stations must be recognized by the manufacturer according to IMO Resolution A.761(18), for their competences to service and repack such life-rafts.

For information concerning the production phase modules, **Survitec SAS, France** has declared that the product may be manufactured at the following manufacturing places :

Survitec SAS

Route de Chatenet 17210 Chevanceaux - France

6. MARKING OF PRODUCT

| Markings on container | Markings on inflatable liferaft |
|--|---|
| Maker's name or trade mark. | |
| Serial Number | |
| Name of approving authority | |
| Markings as per MED 96/98/EC: ☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (where BV, 0062) and XX are the last two digits of year mark affixed | |
| Number of persons it is permitted to carry | Number of persons it is permitted to accommodate over each entrance, in characters not less than 100 mm in height of a colour contrasting with that of the life-raft. |
| Date when last serviced | Name and place of servicing station where it was last serviced |
| Type of emergency pack enclosed | Date of manufacture (month and year) |
| Length of painter | |
| Maximum permitted stowage height above waterline | |
| Launching instructions | |
| SOLAS | |

7. OTHERS

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the inflatable liferafts at any time, and that **Survitec SAS, France**, will accept the responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the liferaft and the conditions of this approval.

This certificate supersedes the Type Examination Certificate N° 13135/B3 EC, issued on 07/09/2012 by Bureau Veritas.

*** END OF CERTIFICATE ***