DNV·GL

TYPE EXAMINATION CERTIFICATE

Certificate No:
TALB000000W
Revision No:
1

This is to certify:

That the Food ration

with type designation(s)
Seven OceanS

Issued to
GC Rieber Compact AS
SØFTELAND, Norway

is found to comply with
SOLAS Ch.III, Regulation 4 and 34, IMO Res. MSC.48(66), Life-saving Appliances Code, Chapter IV, Paragraph 4.1.5.1.18 and 4.4.8.12, Marine and Coastguard Agency Marine Safety Notice 1676, Schedule 13, Part 2

Application :

Food ration

Issued at **Høvik** on **2016-05-24**

This Certificate is valid until **2021-05-23**.
DNV GL local station: **Bergen**

Approval Engineer: **Tessa Biever**

for **DNV GL**
Digitally Signed By: Hoff, Øyvind
Location: DNV GL Høvik, Norway
Signing Date: 08.06.2016, on behalf of

Petter Langnes
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Examination Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-003988-3**
Certificate No: **TALB000000W**
Revision No: **1**

Product description

Seven OceanS standard emergency ration for lifeboats and liferafts. The ration consists of 9 bars of compressed biscuit, each bar wrapped in grease-proof paper. The 9 bars are sealed in a polythene bag, which in turn is enclosed within a seilad shrinkwrapped foil laminate. The outer packaging is a lightweight cardboard box.

The energy value of the complete pack is at least 10 000 kJ and the net weight at least 500 g. Each pak is acceptable as a ration for one person.

Type Examination documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2015.

Basis for examination:

- Test report 126940/m1460-275 by Force Institute dated 2000-02-10
- Analyserapport 2003-6070 by M.Lab dated 2003-04-22
- Test report 108-27323.a/b by Force Institute dated 2008-09-19
- Test report 108-27323.01 by Force Institute dated 2008-09-11
- Test report 108-27323.02 by Force Institute dated 2008-09-15, witnessed by DNV
- Test report 108-27323.03 by Force Institute dated 2008-09-19
- "Analyserapport" 37569501 by Eurofins dated 2008-08-28
- "Prøvningsrapport" 271052 by Teknologisk Institut dated 2008-08-05

Tests carried out

- According to USCG Guidelines for Approval of Emergency Provisions for Lifeboats and Liferafts May 1995.
- According to ISO 18813:2006

Marking of product

The product is to be indelibly marked with the name of the manufacturer, type designation, date of manufacture and expiry date. Markings shall comply with the LSA Code item 1.2.2.9.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.

DNV·GL

Certificate No:
TALB000000X

TYPE EXAMINATION CERTIFICATE

This is to certify:

That the Water ration

with type designation(s)
Seven OceanS

Issued to
GC Rieber Compact AS
SØFTELAND, Norway

is found to comply with
SOLAS Ch.III, Regulation 4 and 34, IMO Res. MSC.48(66), Life-saving Appliances Code, Chapter IV, Paragraph 4.1.5.1.19 and 4.4.8.9, Marine and Coastguard Agency Marine Safety Notice 1676, Schedule 13, Part 3

Application :

Water ration

Issued at **Høvik** on **2016-05-24**

This Certificate is valid until **2021-05-23**.
DNV GL local station: **Bergen**

Approval Engineer: **Tessa Biever**

for **DNV GL**

Digitally Signed By: Langnes, Petter
Location: DNV GL Høvik, Norway
Signing Date: 2016-05-26, on behalf of

Petter Langnes
Head of Section

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Job Id: **262.1-003988-4**
Certificate No: **TALB000000X**

Product description

Seven OceanS Emergency Drinking Water for use in lifeboats and liferafts, supplied in sachets of 0.5 litres. The sachets contain 5 duplex sachets (2 x 50 ml) of 15 micron biaxially oriented polyamide-6 film, two components adhesive and 70 micron low density polyethylene.

The packing material of the outer sachet consists of 12 micron polyester, 9 micron A1-foil, 15 micron biaxially oriented polyamide and 75 micron polyethylene.

Type Examination documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2015.

Basis for examination:

- Test report 112683/m1460-220 by Force Institute dated 1999-03-26
- DNV Test Report BGN-PAAV/53540145 dated 2004-02-18
- Test report 108-27323.a/b by Force Institute dated 2008-09-19
- Test report 108-27323.01 by Force Institute dated 2008-09-11
- Test report 108-27323.02 by Force Institute dated 2008-09-15, witnessed by DNV
- Test report 108-27323.03 by Force Institute dated 2008-09-19
- "Analyserapport" 37569501 by Eurofins dated 2008-08-28
- "Prøvningsrapport" 271052 by Teknologisk Institut dated 2008-08-05

Tests carried out

- According to USCG Guidelines for Approval of Emergency Drinking Water for Lifeboats and Liferafts November 1981.
- According to ISO 18813:2006

Marking of product

The product is to be indelibly marked with the name of the manufacturer, type designation, capacity, date of manufacture and expiry date. Markings shall comply with the LSA Code item 1.2.2.9.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.