

TYPE APPROVAL CERTIFICATE

Certificate No:
TALB000000X
Revision No:
1

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 **2021-05-18**

This Certificate is valid until **2026-05-17** .

DNV local unit: **Bergen**

Approval Engineer: **Tessa Biever**

for **DNV**



Digitally Signed By: Øyvind Hoff
Location: DNV Høvik, Norway
on behalf of

Sverre Olav Bergli
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 Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



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.

The sachets are easy to open, also with immersion suit gloved hands.

The shelf life for the water is 5 ½ years. The water ration shall be replaced not later than five and a half years from the date of production or according to local regulations.

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, September 2018.

Basis for approval:

Title	Doc. No.	Date
General		
Test report by Force Institute, Brøndby, Denmark	112683/m1460-220	1999-03-26
DNV Test report	BGN-PAAV/53540145	2004-02-18
Test report by Force Institute, Brøndby, Denmark	108-27323.a/b	2008-02-19
Test report by Force Institute, Brøndby, Denmark	108-27323.01	2008-09-11
Test report by Force Institute, witnessed by DNV	108-27323.02	2008-09-15
Test report by Force Institute, Brøndby, Denmark	108-27323.03	2008-09-19
Analysereport by Eurofins, Bergen, Norway	37569501	2008-08-28
Test report by Teknologisk Institut, Tåstrup, Denmark	271052	2008-08-05
Analysereport by Eurofins, Bergen, Norway	PO.NO.4200-001343	2017-04-28

Tests carried out

Tests have been carried out according to ISO 18813:2006 §4.31.2.

Marking of product

The product is to be indelibly marked with the name and address of the manufacturer, type designation, production lot number, the quantity of water in the container, date of manufacture and expiry date and instructions for consumption. Markings shall comply with LSA Code item 1.2.2.9, item 4.1.5.1.19 and ISO 18813:2006 §4.46.4.

Periodical assessment

DNV'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.