



Certificate no.:
TALB000004N

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Water ration

with type designation(s)

FRESH WATER FOR SURVIVAL MODEL: WATER READY

issued to

Shanghai Yibei Safety Equipment Co. Ltd.
Shanghai, China

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

Application:

Water ration.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2025-02-28**

This Certificate is valid until **2030-02-27**.

for **DNV**

DNV local unit: **Shanghai**

Approval Engineer: **Tessa Biever**

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 USD 300 000.

Product description

'FRESH WATER FOR SURVIVAL MODEL: WATER READY'

is a standard emergency water ration for use in lifeboats and liferafts. Each sealed watertight metallic flexible packing contains 5 sachets of 100 ml. The sachets are made of 15 micron biaxial oriented polyamide-6 film, two components adhesive and 75 micron low density polyethylene.

The packing material of the outer sachet consists of 15 micron polyester, 7 micron Al-foil, 15 micron biaxial oriented polyamide and 7.3 micron polyethylene.

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

The lifetime for the water is 5 years. The water ration shall be replaced not later than five years from the date of production or according to local regulations.

Type Approval documentation

Tests carried out

Tests have been carried out according to ISO 18813:2022 §4.31.3.

Marking of product

The product is to be indelibly marked with the name 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 the LSA Code (Res. MSC 48(66)) item 1.2.2.9, LSA Code 4.1.5.1.19 and ISO 18813:2022 § 5.

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 DNV-CP-0338, Section 4.

Manufactured by:

Shanghai Yibei Safety Equipment Co., Ltd, 9/2F, 99 Binxing Rd, Jinshan Shanghai, China.