

**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET105-EMPAC01-IN**

HOLDER OF CERTIFICATE:
Aker BioMarine Antarctic AS

4590 kg max

RESPONSIBLE DISTRIBUTOR: Empac GmbH, Hollefeldstrasse 22, 48282 Emsdetten, Germany




MARKING ON PACKAGING:

Each IBC intended for use according to ADR, shall bear markings which are durable, legible and placed to be readily visible. Letters, numerals and symbols shall be at least 12 mm high.



**13H4/Z/MMYY/N
NET105-Empac01-IN-AKBM-UN2.0
8262/510**

-  : The United Nations symbol
- 13H4 : Flexible IBCs, woven plastics, coated and with liner
- Z : Packaging group III
- MMYY : To be replaced with the month and year (last two digits) of manufacture
- N : Norway, the state authorizing the allocation of the mark
- NET105-(...)-UN2.0 : Name of the manufacturer and other identification specified by the authority
- 8262 : Stacking load in kg
- 510 : Maximum gross mass in kg

PRODUCT:

Description
Flexible IBC performed in woven PP, coated, with liner, loop over loop and double Stevedore loops



DIMENSIONS:

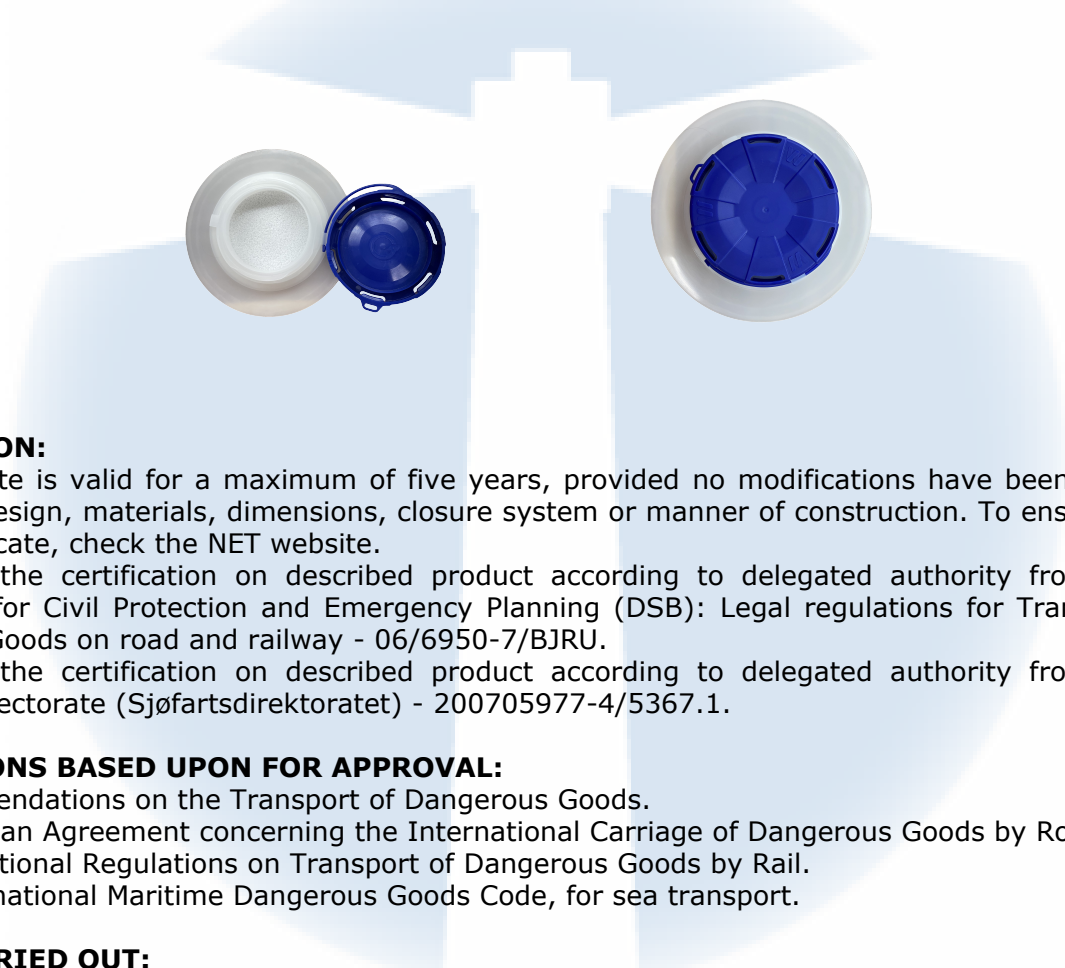
Tare weight, kg	Volume, l	L*W*H, mm	Neck size, mm	Drawing
3.8	1069	900*900*1200	Ø 445, L 800	GSP 90/1, 10E-00/00 PP/ 305508

CLOSING MECHANISM:

Type
Welded bottle neck on inner liner, according to instructions given by producer

INNER PACKAGING:

Type	Producer	Drawing	Material	Dimensions
Bottle shaped inner liner	Empac GmbH	3891	Multilayer film, details in report	930 * 920 * 1400
Cat valve with filter	Masterpack/ Somsix	11315 CATValve105	Details in report	Ø 105



LEGISLATION:

The certificate is valid for a maximum of five years, provided no modifications have been made to the packaging design, materials, dimensions, closure system or manner of construction. To ensure validation of the certificate, check the NET website.

NET issues the certification on described product according to delegated authority from Norwegian Directorate for Civil Protection and Emergency Planning (DSB): Legal regulations for Transportation of Dangerous Goods on road and railway - 06/6950-7/BJRU.

NET issues the certification on described product according to delegated authority from Norwegian Maritime Directorate (Sjøfartsdirektoratet) - 200705977-4/5367.1.

REGULATIONS BASED UPON FOR APPROVAL:

UN Recommendations on the Transport of Dangerous Goods.

ADR, European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID, International Regulations on Transport of Dangerous Goods by Rail.

IMDG, International Maritime Dangerous Goods Code, for sea transport.

TESTS CARRIED OUT:

Prototype tests performed and approved according to the above regulations:

- 6.5.6.5 Top lift test
- 6.5.6.6 Stacking test
- 6.5.6.9 Drop test
- 6.5.6.10 Tear test
- 6.5.6.11 Topple test
- 6.5.6.12 Righting test
- 6.5.6.13 Vibration test

APPROVAL IS VALID FOR:

The packaging shall always be used according to the requirement of the applicable UN-code and its packaging instruction.

Content	Max. gross weight, kg	Packaging group	Packaging instruction
UN 3497, Krill meal	510	III	IBC08

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET105Empac-IN-2	25.06.2021	NET	Type approval

VALIDITY:

The continued validity of the type approval requires that the holder of the certificate and/ or the manufacturer inform NET certification that has approved its type of packaging of any changes to the characteristics of the type or anything that can influence on the transport safety on the specific design so that it can be verified that the type of packaging continues to comply with packaging tested as base for the original type approval.

The FIBC's shall be manufactured, reconditioned and tested under a quality assurance program which satisfies NET Certification, in order to ensure that each FIBC meets the requirements in ADR and the guidelines in ISO16106. The validity of this certification is based upon a given retest frequency according to test procedure ITM009.

TEST STANDARD:

All tests are performed in accordance with NET accredited test method ATM001. The test method is accredited in accordance with ISO17025 approved by Norsk Akkreditering and based upon ISO16495.



BREVIK, NORWAY

23.11.2021 CERTIFICATE IS VALID UNTIL:

31.07.2022



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification