

**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET105-MASTERPACK01-TH**

HOLDER OF CERTIFICATE:
Aker BioMarine Antarctic AS

4590 kg max



MANUFACTURER: Thai Masterpack CO. LTD, 94/2 Moo 8, Suksawat 72,, Suksawat Rd., Bangkru, Phrapradaeng, Samutprakan, 10130, Thailand

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. Each FIBC shall also be marked with maximum permitted stacking load according to ADR 6.5.2.2.2.1 (as shown in figure to left).

UN 13H4/Z/MMYY/N/NET105-Masterpack01-TH-AKBM-UN2.0/8262/510

- UN** : 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 | Method of manufacture | Grammage/ Thickness, g / mm |
|--|-----------------------|-----------------------------|
| Flexible IBC performed in woven PP, coated, with liner, corner loops and double Stevedore loops. | Tailor made, 4-Panel | 245 / 0.5 |



DIMENSIONS:

| Tare weight, kg | Volume, l | L*W*H, mm | Neck size, mm | Drawing |
|-----------------|-----------|--------------|---------------|---------|
| 4.3 | 1069.0 | 900*900*1200 | Ø 450, L 800 | 11265 |

CLOSING MECHANISM:

| |
|--|
| Type |
| Welded filling spout on the inner liner, according to instructions given by producer |



INNER PACKAGING:

| Type | Producer | Drawing | Material | Dimensions, mm |
|---|--------------------|-------------------|-------------------|------------------------|
| Inner liner, stitched to the bag, with sealed valve | Masterpack Group | 11265 | Details in report | 925 * 925 * 1250 * 0.1 |
| 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 |
|-------------------|------------|-----------|-----------------------|
| NET105MP2.0-1 | 15.12.2020 | NET | Type approval |
| Masterpack01-TH-3 | 26.10.2023 | NET | Type approval, 2.0 BT |

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 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 ISO 16106. The validity of the 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

31.10.2023 CERTIFICATE IS VALID UNTIL:

30.04.2024



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification