

**TYPE APPROVAL OF PACKAGING  
FOR TRANSPORTATION OF DANGEROUS GOODS  
CERTIFICATE NO.: NET105-MASTERPACK03-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.



**13H3/Z/MMYY/N  
NET105-Masterpack03-TH-AKBM-UN2.0  
8262/510**

-  : The United Nations symbol
- 13H3 : Flexible IBCs, woven plastics, 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, with liner, cross corner loops and supporting Stevedore loops.	Tailor made, circular fabric	245 / 0.6



**DIMENSIONS:**

Tare weight, kg	Volume, l	L*W*H, mm	Neck size, mm	Drawing
4.2	1069.0	900*900*1200	Ø 450, L 800	476921363-E

**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	476921363-E	Details in report	925 * 925 * 1250 * 0.1
MA Valve 125	Somsix	11401 Rev.1	Details in report	Ø 80

**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
NET105-Masterpack03-TH-1	02.02.2023	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 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

**15.02.2023** CERTIFICATE IS VALID UNTIL:

**29.02.2024**



Geir Morten Johansen  
Certification Officer



Rune Madsen Fink  
Control Officer

*Nordisk Emballasje Testing Certification*