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

HOLDER OF CERTIFICATE:

## The QRILL Company 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 right).

**(un) 13H4/Z/MMYY/N/NET105-Masterpack01-TH-AQC-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 constructed of 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 |



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VAT No.: 990 793 840
Bank account: 6250.05.22351
GPS: 59°03'25'' N 9°40'70'' E

**CLOSING MECHANISM:**

| Type |
|---|
| Welded filling spout on the inner liner, according to the producer´s instructions. |

**INNER LINER/ COMPONENTS:**

| 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 |
| MA Valve 125 | Somsix | 11401 Rev.1 | Details in report | Ø 80 |

**LEGISLATION:**
NET issues this certification pursuant to delegated authority from the Norwegian Directorate for Civil Protection (DSB), in accordance with the Regulation of 1 April 2009 No. 384 on the land transport of dangerous goods, Chapter 6a (ref. 2023/4375 PRAX). NET is designated as the competent body for allocation of the UN mark on packagings, including IBCs and large packagings, as published by the United Nations (UNECE) list of competent authorities.
NET issues this certification for the described product according to delegated authority from Norwegian Maritime Directorate (Sjøfartsdirektoratet) - 200705977-4/5367.1.
NET issues this certification for the described product according to an agreement between Norwegian Civil Aviation Authority (Luftfartstilsynet) - 01.03.18 - 18/00114-8.

**REGULATORY BASIS 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 requirements of the applicable UN code and its relevant packaging instruction.

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


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**DOCUMENTS BASED UPON FOR APPROVAL:**

| Report id. | Date | Issued by | Scope |
|---|---|---|---|
| NET105MP2.0-1 | 15.12.2020 | NET | Type approval |
| Masterpack01-TH-4 | 09.04.2024 | NET | Type test, UN 2.0 BT |
| Masterpack01-TH-5 | 22.10.2024 | NET | Type test, UN 2.0 PT |
| Masterpack01-TH-6 | 25.04.2025 | NET | Type test, UN 2.0 PT |
| Masterpack01-TH-7 | 13.11.2025 | NET | Type test, UN 2.0 PT |
| Masterpack01-TH-8 | 01.06.2026 | NET | Type test, UN 2.0 PT |

**VALIDITY:**
The continued validity of the type approval is subject to the certificate holder and/or the manufacturer notifying NET Certification, as the approving body, of any changes to the design characteristics or any other factors that may affect the transport safety of the packaging. This is necessary to verify that the packaging type continues to comply with the specifications originally tested and forming the basis for the approval.

The FIBC shall be manufactured and tested under a quality assurance program that meets the requirements of NET Certification. This ensures compliance with ADR requirements and the guidelines of NS-EN ISO 16106:2020. The validity of the certification is further subject to the specified retest frequency set out in 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 NS-EN ISO/IEC 17025:2017 approved by Norsk Akkreditering and according to NS-EN ISO 16495:2022.

NORSK AKKREDITERING TEST 259

BREVIK, NORWAY **30.06.2026** CERTIFICATE IS VALID UNTIL: **30.06.2027**

Mathias Werner
Certification Officer

Rune Madsen Fink
Control Officer

*Nordisk Emballasje Testing Certification*


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