

**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET14801B**

HOLDER OF CERTIFICATE:
Svensk Emballageteknik AB

MANUFACTURER: Svensk Emballageteknik AB, Åkersvägen 15, 17741 Järfälla, SWEDEN

MARKING ON PACKAGING:

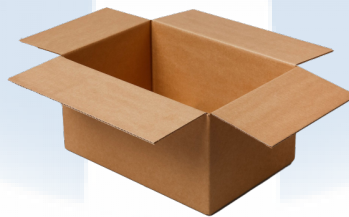
Each packaging intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high.

Ⓢ **4G/XKG YKG/S/YR/N/NET14801B -ID**

- Ⓢ : The United Nations symbol
- 4G : Fibreboard boxes
- YKG : Packaging group II and III, max gross mass in kg, see content table
- S : Intended for carriage of inner packagings, see content table
- YR : To be replaced with the year (last two digits) of manufacture
- N : Norway, the state authorizing the allocation of the mark
- NET14801B - ID : Identification of the packaging followed by "ID" to be replaced by the name of the manufacturer

PRODUCT:

| Description | Manufacturer´s joint | Material |
|-------------|----------------------|---|
| FEFCO 0201 | Stitched | Corrugated fibreboard, double wall board, details in report |



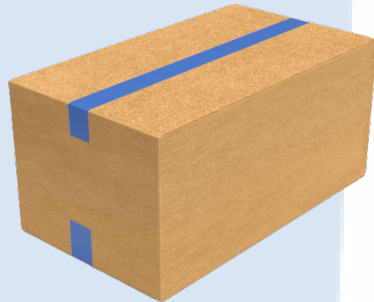
DIMENSIONS:

| #: Volume, l | L*W*H, mm | Drawing | Explosive approved | Pressure tested |
|--------------|-------------|----------|--------------------|-----------------|
| 1: 55.1 | 450*340*360 | 14-7186A | No | No |
| 2: 64.0 | 400*400*400 | 14-1839A | No | No |
| 3: 52.8 | 400*400*330 | 14-7187A | No | No |
| 4: 27.1 | 395*305*225 | 14-7188A | No | No |
| 5: 46.0 | 355*355*365 | 14-1838A | No | No |
| 6: 22.6 | 270*270*310 | 14-7189A | No | No |
| 7: 23.9 | 355*190*355 | 14-1837A | No | No |
| 8: 15.7 | 265*245*242 | 14-7190A | No | No |

| | | | | |
|----------|-------------|----------|----|----|
| 9: 12.4 | 200*200*310 | 14-1934A | No | No |
| 10: 15.9 | 220*190*380 | 14-7191A | No | No |
| 11: 9.6 | 200*200*240 | 14-7192A | No | No |
| 12: 14.4 | 250*160*360 | 14-1836A | No | No |
| 13: 9.0 | 170*170*310 | 14-7193A | No | No |
| 14: 8.0 | 200*200*200 | 14-7194A | No | No |
| 15: 11.9 | 190*190*330 | 14-1835A | No | No |
| 16: 6.1 | 150*150*270 | 14-7195A | No | No |
| 17: 4.9 | 170*170*170 | 14-7196A | No | No |
| 18: 6.5 | 290*150*150 | 14-7197A | No | No |

CLOSING MECHANISM:

| #: Closure type | Producer | Dimensions, mm | Material | Packaging # |
|--------------------------------------|----------|----------------|-----------------|-------------|
| "U" - pattern, 100 mm over the edges | ETAB | 0.5 * 50 | PVC - etab 243B | 1-18 |



LEGISLATION:

NET issues the certification on described product according to delegated authority from Norwegian 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.

ICAO, Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IATA, Dangerous Goods Regulations, for the air transport.

TESTS CARRIED OUT:

Prototype tests performed and approved according to the above regulations:

6.1.5.2.3 Preparation of packaging, relativ humidity

6.1.5.3 Drop test

6.1.5.6 Stacking 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 mass in packaging group I, kg | Max gross mass in packaging group II, kg | Max gross mass in packaging group III, kg | Min. distance between inner packings, mm | Min. distance between inner packing and packaging wall, mm | Min. distance between inner packing and top- or bottom wall, mm |
|--|---|--|---|--|--|---|
| 1: Solid or liquid substances in glass bottles packed in vermiculite | 25 | - | - | 42 | 42 | 42 |
| 2: Solid or liquid substances in glass bottles packed in vermiculite | 30 | 40 | 40 | 25 | 25 | 85 |
| 3: Solid or liquid substances in glass bottles packed in vermiculite | 24 | 35 | 35 | 25 | 25 | 85 |
| 4: Solid or liquid substances in glass bottles packed in vermiculite | 12 | - | - | 25 | 25 | 85 |
| 5: Solid or liquid substances in glass bottles packed in vermiculite | 21 | 32 | 32 | 25 | 25 | 85 |
| 6: Solid or liquid substances in glass bottles packed in vermiculite | 17 | 22 | 22 | 30 | 20 | 35 |

| | | | | | | |
|---|-----|-----|-----|----|----|----|
| 7: Solid or liquid substances in glass bottles packed in vermiculite | 11 | 15 | 15 | 30 | 20 | 35 |
| 8: Solid or liquid substances in glass bottles packed in vermiculite | 11 | - | - | 30 | 20 | 35 |
| 9: Solid or liquid substances in glass bottles packed in vermiculite | 9 | 12 | 12 | 30 | 20 | 35 |
| 10: Solid or liquid substances in glass bottles packed in vermiculite | 7.4 | 9.9 | 9.9 | 30 | 20 | 35 |
| 11: Solid or liquid substances in glass bottles packed in vermiculite | 7.2 | 9.3 | 9.3 | 30 | 20 | 35 |
| 12: Solid or liquid substances in glass bottles packed in vermiculite | 6.8 | 9 | 9 | 30 | 20 | 35 |
| 13: Solid or liquid substances in glass bottles packed in vermiculite | 6.7 | 8.7 | 8.7 | 30 | 20 | 35 |

| | | | | | | |
|---|-----|-----|-----|----|----|----|
| 14: Solid or liquid substances in glass bottles packed in vermiculite | 6 | 7.8 | 7.8 | 30 | 20 | 35 |
| 15: Solid or liquid substances in glass bottles packed in vermiculite | 5.6 | 7.4 | 7.4 | 30 | 20 | 35 |
| 16: Solid or liquid substances in glass bottles packed in vermiculite | 4.6 | 5.9 | 5.9 | 30 | 20 | 35 |
| 17: Solid or liquid substances in glass bottles packed in vermiculite | 3.7 | 4.8 | 4.8 | 30 | 20 | 35 |
| 18: Solid or liquid substances in glass bottles packed in vermiculite | 3.1 | 4.1 | 4.1 | 30 | 20 | 35 |

DOCUMENTS BASED UPON FOR APPROVAL:

| Report id. | Date | Issued by | Scope |
|------------|------------|-----------|---------------------------------|
| NET14801AZ | 07.03.2022 | NET | Type approval |
| NET148TE01 | 10.05.2023 | NET | Technical evaluation, new grade |

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 validity of the type approval assume regular verification by means of periodic audits by NET in accordance with NET Doc 2: "Production control agreement". The packaging shall be manufactured, reconditioned and tested under a quality assurance program which satisfies NET Certification, in order to ensure that each packaging meets the requirements in ADR and the guidelines in ISO 16106.

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

31.01.2025 CERTIFICATE IS VALID UNTIL:**31.05.2028**

Mathias Werner
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification