

**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:

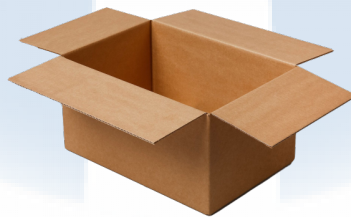
Each packaging intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high.

Ⓢ **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



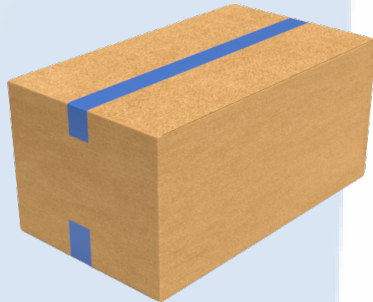
DIMENSIONS:

#: 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.

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

10.05.2023 CERTIFICATE IS VALID UNTIL:**31.05.2028**

Mathias Werner
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification