

**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET3226D**


HOLDER OF CERTIFICATE:
DS Smith Packaging Sweden AB

MANUFACTURER: DS Smith Packaging Sweden AB, Bangårdsgatan 2-4, SE-331 26
Värnamo, SWEDEN
DS Smith Packaging Sweden AB, Förrådsgatan 15, SE-542 35
Mariestad, SWEDEN

MARKING ON PACKAGING:

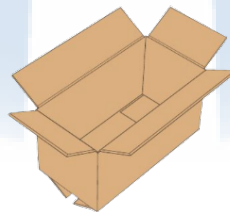
Each packaging intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high.

 **4G/XKG YKG ZKG/S/YR/N/NET3226D - ID**

-  : The United Nations symbol
- 4G : Fibreboard boxes
- XKG YKG ZKG : Packaging group II and III, max gross mass in kg
- S : Intended for carriage of solids or 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
- NET3226D - ID : Identification of the packaging followed by "V" for Värnamo or "M" for Mariestad

PRODUCT:

Description/ Method of manufacture	Manufacturer´s joint	Material
FEFCO 0201, slotted type	Glued	Corrugated fibreboard, single wall board, 4 mm thick, details in report



DIMENSIONS:

Packaging #	Packaging group / Max gross weight	L*W*H, mm	Content	Explosive Judgement
1	II and III / 20 kg	400*400*400	Solids	Yes
2	II and III / 26 kg	400*300*400	Solids	Yes
3	II and III / 14 kg	290*250*170	Solids	Yes
4	I / 2 kg - II and III / 3 kg	210*190*180	Solids	No
5	I / 4 kg - II and III / 8 kg	250*190*320	Solids	No

6	II and III / 4 kg	160*160*260	Solids	No
7	II and III / 22 kg	380*260*360	Solids	No
8	II and III / 5 kg	220*170*250	Solids	No
9	II and III / 9 kg	220*190*380	Solids	No
10	II and III / 20 kg	380*260*295	Solids	No
11	II and III / 23 kg	390*290*340	Solids	No
12	II and III / 15 kg	260*260*400	Solids	No
13	II and III / 15 kg	400*314*224	Solids	No
14	II and III / 9 kg	250*250*260	Solids	No
15	II and III / 2 kg	220*90*90	Solids	No
16	II and III / 16 kg	335*254*224	Solids	No
17	II and III / 15 kg	314*254*224	Solids	No
18	II and III / 10 kg	385*275*255	24 receptacles for aerosols	No
19	I, II and III / 2 kg	210*190*180	Solids in inner packaging packed with bubble foil	No
20	I, II and III / 4 kg	250*190*320	Solids in inner packaging packed with bubble foil	No
21	II and III / 15 kg	365*325*1045	Lighters in inner packaging	No
22	II and III / 8 kg	190*140*290	Liquid in inner packaging	No
23	I, II and III / 2 kg	210*190*180	Liquid in inner packaging packed with vermiculite	No
24	II and III / 6 kg	250*180*247	Liquid in inner packaging	No
25	I, II and III / 4 kg	250*190*320	Liquid in inner packaging packed with vermiculite	No
26	I, II and III / 4 kg	250*190*320	Liquid in inner packaging packed with vermiculite	No
27	II and III / 14 kg	382*190*303	Liquid in inner packaging	No
28	II / 6 kg	316*234*125	Liquid in inner packaging packed with Alfob	No
29	III / 8 kg	316*324*185	Liquid in inner packaging	No
30	II / 25 kg	380*263*370	Solids	Yes
31	II and III / 1.4 kg	320*190*200	Lighters in inner packaging	No
32	II and III / 15 kg	380*283*210	Solids	Yes

33	II and III / 13.7 kg	420*230*155	Solids in inner packaging	Yes
34	II and III / 11.5 kg	380*192*200	Solids in inner packaging	Yes
35	I, II and III / 9 kg	385*210*120	Liquid in inner packaging	No
36	II and III / 2.4 kg	170*112*163	Solids in inner packaging	Yes
37	II and III / 7 kg	230*224*155	Solids in inner packaging	Yes

CLOSING MECHANISM:

Closure type	Producer / Identification	Packaging #
Tape, 50 mm	Glasfibre reinforced, 75003016	2, 6-12, 14-17, 27, 30, 32-35,37
Tape, 50 mm	Std. Tesa 4100	3-5, 18-20, 22- 23, 25-26
Staples	J.K 561/18, 12 in top and 12 in bottom	1, 14
Tape, 50 mm	Tape 3789	28, 29
Tape, 50 mm	Standard tape, 543/33	24
Tape, 50 mm	Tape, type 4124	21, 31

INNERPACKAGING:

Type	Description	Material	Packaging #	Pressure tested
Blow moulded bottle	2*0.45 l (52g)	PE	19	-
Pail	2*1 l (136 g)	Tin Plate	20	-
Box	482 g	Fibreboard	21, 31	-
Blow moulded can	1*5 l (186 g)	Borealis BL 2581	22	95 kPa
Bottle	5*65 ml (165 g)	Glass	23	No
Stretch blow moulded bottle	10*0.5 l (37 g)	PET	24	No
Bottle	3*0.5 l (279 g)	Glass	25	95 kPa
Bottle	1*2.5 l or 2*1 l (1139 or 619 g)	Glass	26	No
Blow moulded can	3*5 l (135 g)	Stamylan 8621	27	No
Blow moulded bottle	48*100 ml (11 g)	Stamylan 7771	28	95 kPa
Blow moulded bottle	24 * 0.5 l (35 g)	Sabic B5421	33	No
Blow moulded bottle	10 * 1.0 l (55 g)	Sabic B5421	34, 36	No
Blow moulded bottle	24*0.3 l (26 g)	Sabic B5421	35	No
Blow moulded bottle	10*0.5 l	Sabic B5421	37	No

LEGISLATION:

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.

NET issues the certification on described product according to an agreement between Norwegian Civil Aviation Authority (Luftfartstilsynet) - 01.03.18 - 18/00114-8.

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 requirements of the applicable UN-code and its packaging instruction, and is restricted to the content specified below as documented in test report.

The packaging covered by this certificate has been prepared and tested as for transport in accordance with the applicable requirements of ADR. The use of other packaging methods, components, or preparations than those described in this certificate may render the approval invalid.

Content	Packaging #
Solids	1 - 17, 30, 32
Receptacles for aerosols	18
Solids in inner packaging packed with bubble foil	19, 20
Solids in inner packaging	33, 34, 36, 37
Lighters in inner packaging	21, 31
Liquids in inner packaging	22, 24, 27, 29, 35
Liquid in inner packaging packed with vermiculite	23, 25, 26
Liquid in inner packaging packed with Alfob (absorbent)	28

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
P401592-15	02.07.2004	SP	Type testing
P401592-16	02.07.2004	SP	Type testing, #2
P401592-17	02.07.2004	SP	Type testing
P401592-18	02.07.2004	SP	Type testing
P401592-19	02.07.2004	SP	Type testing
P501445	16.05.2005	SP	Type testing
P503155	12.07.2005	SP	Type testing
P503155A	18.10.2005	SP	Type testing
P504863	16.03.2006	SP	Technical evaluation
P601711	10.05.2006	SP	Type testing
P700230	23.01.2007	SP	Type testing
PX07175	22.11.2010	SP	Type testing
NET3226A	23.09.2011	NET	Type testing
NET3226A-1	17.03.2014	NET	Type testing, #30
NET32TE16	23.10.2015	NET	Technical evaluation
NET32TE20	23.09.2016	NET	Technical evaluation, #32
NET3226A#33	14.03.2017	NET	Type testing, #33
NET3226A#34	14.03.2017	NET	Type testing, #34
NET3226A#35	24.04.2018	NET	Type testing, #35
NET3226A#36	19.11.2018	NET	Technical evaluation, #36
NET32TE45	17.09.2020	NET	Technical evaluation
NET3226D#37	28.10.2020	NET	Type testing, #37

VALIDITY:

This approval is valid for five (5) years, provided no modifications are made to the packaging design, materials, dimensions, closure system, or method of construction.

The certificate may be withdrawn at any time.

The published version on www.net17025.com/Sertifisering/UN_ADR/cid/30758/ shall always be considered the valid one.

The certificate holder/manufacturer must notify NET Certification of any changes that may influence transport safety.

Continued validity requires 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 programme meeting ADR requirements and guidelines in NS-EN ISO 16106:2020.

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.



BREVIK, NORWAY

31.03.2026 CERTIFICATE IS VALID UNTIL:

31.03.2031


A handwritten signature in blue ink that reads 'Mathias Werner'.

Mathias Werner
Certification Officer

A handwritten signature in blue ink that reads 'Rune Madsen Fink'.

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

A large, faint watermark logo in the center of the page, consisting of a white cross-like shape with rounded ends, set against a light blue circular background.