

PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET12503A

HOLDER OF CERTIFICATE:


DGM Sverige AB

RESPONSIBLE DISTRIBUTOR: DGM Sverige AB, Backa Bergögata 11, 422 46 Hisings Backa, 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/NET12503A - ID**

	: The United Nations symbol
4G	: Fibreboard boxes
XKG YKG ZKG	: Packaging group I, II and III, max gross mass in kg according to 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
NET12503A - 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, slotted type	Glued: box: 1, 2, 3, 4, 4lb, 5/ Stitched: box: 6	Corrugated fibreboard, double wall board, details in report



DIMENSIONS:

#: Volume, l	L*W*H, mm	Drawing	Explosive approved	Pressure tested
DGM 1: 7	166*146*322	S847431	Yes	Yes
DGM 2: 21	276*206*372	S847432	No	Yes
DGM 3: 25	326*246*312	S847433	No	Yes
DGM 4: 36	366*266*372	S847436	No	Yes
DGM 4LB: 52	536*336*292	S847435	Yes	Yes
DGM 5: 51	436*316*372	S847434	No	Yes
DGM 6: 65	386*386*442	S847430	No	Yes

CLOSING MECHANISM:

Closure type	Producer	Dimensions, mm	Material	Packaging #
"O" - pattern, 75 mm overlap	Boxon pack AB	0.5 * 75	LDPE reinforced with glass-fibre crossarmed	1, 2, 3, 4, 4LB, 5, 6
2 * Strapping	Any	12	PP	6



INNER PACKAGING:

#: Type	Producer	Drawing	Material
1: 1 l blow moulded bottel	Emballator Mellerud Plast	NET0103B	HDPE
Screw cap, 28mm	Modulpac	28K	HDPE
2: 5 l blow moulded jerrican	Emballator Mellerud Plast	NET0109A	HDPE
Screw cap, 40mm	Emballator Växjöplast	40-254	HDPE
3: 1 l blow moulded bottel	Emballator Mellerud Plast	NET0103B	HDPE
Screw cap, 28mm	Modulpac	28K	HDPE
4: 10 l blow moulded jerrican	Emballator Mellerud Plast	NET0129A	HDPE
Screw cap, 61mm	Emballator Växjöplast	61-343	HDPE
5: 10 l blow moulded jerrican	Emballator Mellerud Plast	NET0129A	HDPE
Screw cap, 61mm	Emballator Växjöplast	61-343	HDPE
6: 10 l blow moulded jerrican	Emballator Mellerud Plast	NET0129A	HDPE
Screw cap, 61mm	Emballator Växjöplast	61-343	HDPE
1: Fibreboard box L*W*H, 92*92*234	BOXES & LABELS	K29544	Corrugated fiberboard S 6 C
2: Fibreboard box L*W*H, 192*102*284	BOXES & LABELS	K29545	Corrugated fiberboard S 6 C
3: Fibreboard box L*W*H, 232*152*204	BOXES & LABELS	K29546	Corrugated fiberboard S 6 C
4: Fibreboard box L*W*H, 272*172*284	BOXES & LABELS	K29547	Corrugated fiberboard S 6 C

4LB: Fibreboard box L*W*H, 452*262*224	BOXES & LABELS	K29548	Corrugated fiberboard S 6 C
5: Fibreboard box L*W*H, 342*222*284	BOXES & LABELS	K29549	Corrugated fiberboard S 6 C
6: Fibreboard box L*W*H, 302*302*334	BOXES & LABELS	K29550	Corrugated fiberboard S 6 C

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.

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 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
1: Liquid in innerpackaging	5	7	11
2: Liquid in innerpackaging	20	30	40
3: Liquid in innerpackaging	25	30	40
4: Liquid in innerpackaging	25	35	40
4LB: UN3480 lithium ion batteries	35	45	50
5: Liquid in innerpackaging	35	45	50
6: Liquid in innerpackaging	45	65	75
1: UN1950, Aerosols	-	7	-

2: UN1950, Aerosols	-	30	-
3: UN1950, Aerosols	-	30	-
4: UN1950, Aerosols	-	35	-
5: UN1950, Aerosols	-	45	-
6: UN1950, Aerosols	-	55	-
1: UN2794-, UN2795-, UN2800 Batteries, wet, non-spillable	-	7	-
2: UN2794-, UN2795-, UN2800 Batteries, wet, non-spillable	-	30	-
3: UN2794-, UN2795-, UN2800 Batteries, wet, non-spillable	-	30	-
4: UN2794-, UN2795-, UN2800 Batteries, wet, non-spillable	-	35	-
5: UN2794-, UN2795-, UN2800 Batteries, wet, non-spillable	-	45	-
6: UN2794-, UN2795-, UN2800 Batteries, wet, non-spillable	-	60	-
1: UN3356, Oxygen generator, chemical	-	7	-
2: UN3356, Oxygen generator, chemical	-	30	-
3: UN3356, Oxygen generator, chemical	-	30	-
4: UN3356, Oxygen generator, chemical	-	35	-
5: UN3356, Oxygen generator, chemical	-	45	-
6: UN3356, Oxygen generator, chemical	-	60	-
1: UN3480, Lithium ion batteries	-	7	-
2: UN3480, Lithium ion batteries	-	30	-
3: UN3480, Lithium ion batteries	-	30	-
4: UN3480, Lithium ion batteries	-	35	-
5: UN3480, Lithium ion batteries	-	45	-

6: UN3480, Lithium ion batteries	-	60	-
1: UN3090, Lithium metal batteries	-	7	-
2: UN3090, Lithium metal batteries	-	30	-
3: UN3090, Lithium metal batteries	-	30	-
4: UN3090, Lithium metal batteries	-	35	-
5: UN3090, Lithium metal batteries	-	45	-
6: UN3090, Lithium metal batteries	-	60	-

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET12503#4LB	26.03.21	NET	Type approval
NET12503A#6	25.03.21	NET	Type approval
NET12503A#5	25.03.21	NET	Type approval
NET12503A#4	25.03.21	NET	Type approval
NET12503A#3	25.03.21	NET	Type approval
NET12503A#2	18.03.21	NET	Type approval
NET12503A#1	18.03.21	NET	Type approval
NET125TE01	06.01.21	NET	Technical evaluation

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

28.11.2022 CERTIFICATE IS VALID UNTIL:

31.01.2027


A handwritten signature in blue ink, reading 'Mathias Werner'.

Mathias Werner
Certification Officer

A handwritten signature in blue ink, reading 'Rune Madsen Fink'.

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

A large, faint, light blue background logo is centered on the page. It consists of a stylized shield or umbrella shape with a vertical crossbar, resembling a Nordic flag or a testing symbol.