TYPE APPROVAL OF PACKAGING FOR TRANSPORT OF DANGEROUS GOODS CERTIFICATE NO.: NET18106A

CERTIFICATE HOLDER:
LiProPac AB

RESPONSIBLE DISTRIBUTOR: LiProPac AB, Backa Bergögata 11, 422 46 Hisings Backa, Sweden

UN MARKING:
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.

(un) 4G/XKG YKG ZKG/S/YR/N/NET18106A - ID

(un)	: The United Nations symbol
4G	: Fibreboard boxes
XKG YKG ZKG	: Packing group I, II and III, max gross mass in kg listed in "Approved Contents"
S	: Intended for carriage of articles or inner packagings, listed in "Approved Contents"
YR	: To be replaced with the year (last two digits) of manufacture
N	: Norway, the state authorizing the allocation of the mark
NET18106A - ID	: Identification of the packaging followed by "ID" to be replaced by the name of the manufacturer

PACKAGING DESIGN:

Description	Manufacturer´s joint	Material
FEFCO 0201, slotted type	Stitched with 10 staples	Corrugated fibreboard, double wall board, details in report



DIMENSIONS:

#: Volume, l	L*W*H, mm	Drawing	Explosive approved	Pressure tested
DGM 7: 95	590*390*470	S847429	Yes	Yes
DGM 8: 140	776*576*300	D103929	No	Yes

NET AS
Blekebakkvegen 45
N-3950 Brevik

Telephone +47 900 17025
E-mail: info@net17025.com
Web: www.net17025.com

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

CLOSURES AND FITTINGS:

Closure type	Producer	Dimensions, mm	Material
DGM 7: 2 x strapping	Any	12	PP
DGM 7: Tape "O" - Pattern, 75 mm overlap	Boxon Pak AB	0.5 * 75	LDPE tape reinforced with cross-woven glass fibres
DGM 8: Tape "O" - Pattern, 75 mm overlap, 2 strips	As specified in NET12504A3	0.13 * 75	PAP21, see NET12504A3







INNER PACKAGING:

#: Type	Producer	Volume, l	Material
DGM IP1	Emballator Mellerud AB	0.5	HDPE
DGM IP2	Emballator Mellerud AB	1.0	HDPE
DGM IP3	Emballator Mellerud AB	0.5	HDPE
DGM IP4	Emballator Mellerud AB	1.0	HDPE
DGM IP5	Emballator Mellerud AB	4.0	HDPE
DGM IP6	Emballator Mellerud AB	5.0	HDPE
DGM IP7	Metalscatola S.p.A.	0.5	Steel
DGM IP8	Metalscatola S.p.A.	1.0	Steel
DGM IP9	Metalscatola S.p.A.	3.0	Steel
DGM IP10	Metalscatola S.p.A.	5.0	Steel
DGM IP11	Emballator Mellerud AB	10.0	HDPE
DGM IPF 1	Boxes & Labels	2.0	Fibreboard box
DGM IPF 2	Boxes & Labels	5.6	Fibreboard box
DGM IPF 3	Boxes & Labels	7.2	Fibreboard box
DGM IPF 4	Boxes & Labels	13.3	Fibreboard box
DGM IPF 4LB	Boxes & Labels	26.5	Fibreboard box
DGM IPF 5	Boxes & Labels	21.6	Fibreboard box
DGM IPF 6	Boxes & Labels	30.5	Fibreboard box
DGM IPF 7	Boxes & Labels	45.1	Fibreboard box

NET AS
Blekebakkvegen 45
N-3950 Brevik

Telephone +47 900 17025
E-mail: info@net17025.com
Web: www.net17025.com

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

AUTHORITY:
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 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.

APPLICABLE REGULATIONS:
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 PERFORMED:
Prototype tests performed and approved according to the above regulations:
6.1.5.2.3 Preparation of packaging, relative humidity
6.1.5.3 Drop test
6.1.5.6 Stacking test

SCOPE OF APPROVAL:
The packaging shall always be used in accordance with the requirements of the applicable UN number, packing instruction and this certificate.
Inner packagings shall be arranged and cushioned as tested.

APPROVED CONTENT:

Configuration and contents	Max gross weight in packing group I (kg)	Max gross weight in packing group II (kg)	Max gross weight in packing group III (kg)
DGM 7: Liquid in inner packaging	70	80	90
DGM 7: UN1950, Aerosols	-	55	-
DGM 7: UN3480, Lithium ion batteries	-	55	-
DGM 7: UN3090, Lithium metal batteries	-	55	-
DGM 8: UN3480, one lithium-ion battery, max 50 kg; paperboard cushioning	-	65	-
DGM 8: UN3480, one lithium-ion battery, max 50 kg; PE foam cushioning	-	65	-
DGM 8: 9 x DGM IP6, 5 l HDPE; liquid relative density max 1.2	-	65	-

NET AS
Blekebakkvegen 45
N-3950 Brevik
Telephone +47 900 17025
E-mail: info@net17025.com
Web: www.net17025.com
VAT No.: 990 793 840
Bank account: 6250.05.22351
GPS: 59°03'25'' N 9°40'70'' E

DGM 8: 8 x DGM IP10, 5 l steel; liquid relative density max 1.2	-	65	-

DOCUMENTS FORMING THE BASIS FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET12504A	25.03.2021	NET	Type approval
NET125TE01	06.01.2022	NET	Technical evaluation of content in inner packaging
NET12504A2	19.01.2026	NET	Technical evaluation of inner packaging
NET12504A3	18.08..2026	NET	Type approval, #5-#8

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 METHODS AND STANDARDS:
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 **03.11.2026** CERTIFICATE IS VALID UNTIL: **30.06.2031**

Mathias Werner
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

NET AS
Blekebakkvegen 45
N-3950 Brevik
Telephone +47 900 17025
E-mail: info@net17025.com
Web: www.net17025.com
VAT No.: 990 793 840
Bank account: 6250.05.22351
GPS: 59°03'25'' N 9°40'70'' E