TYPE APPROVAL OF PACKAGING FOR TRANSPORT OF DANGEROUS GOODS CERTIFICATE NO.: NET18103A

CERTIFICATE HOLDER:
LiProPac AB

MANUFACTURING SITE: Boxes & Labels Olsfors AB, Buagärde 39, 517 95 Olsfors, 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) 4GV/XKG/S/YR/N/NET18103A - ID

(un)	: The United Nations symbol
4G	: Fibreboard boxes
XKG	: Packaging group I, 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
NET18103A - ID	: Identification of the packaging followed by "ID" to be replaced by the name of the manufacturer

PACKAGING DESIGN:

Description/ Method of manufacture	Manufacturer´s joint	Material
FEFCO 0201, slotted type, special packaging conforming to the requirements of 6.1.5.1.7	Glued: box1, 2, 3, 4, 5 / Stitched: box 6	Corrugated fibreboard, double wall board, details in report



DIMENSIONS:

Box #: Volume, l	L*W*H, mm	Thickness, mm	Explosive approved	Drawing
DGM 1: 7	166*146*322	5.6	Yes	S847431
DGM 2: 21	276*206*372	5.6	No	S847432
DGM 3: 25	326*246*312	5.6	No	S847433
DGM 4: 36	366*266*372	5.6	No	S847436
DGM 5: 51	436*316*372	5.6	No	S847434
DGM 6: 65	386*386*442	5.6	No	S847430

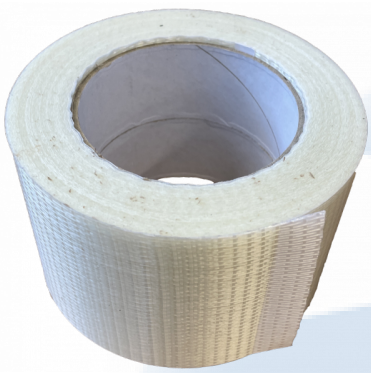
NET AS
Blekebakkvegen 45
N-3950 Brevik

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	# Packaging
"O"-pattern, 75 mm overlap	Boxon Pack AB	0.5 * 75	LDPE reinforced with glass-fibre crossarmed	1,2,3,4,5,6
Strapping * 2	Any	12	PP	6

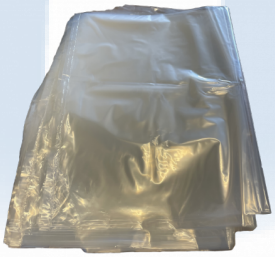






INNER PACKAGING:

Type	Material	Dimensions	# Packaging
Plastic bag with optional inner packaging (ADR 6.1.5.1.7) SP58	RAJA Pack LDPE	810 * 620 * 0.12	1,2,3
Plastic bag with optional inner packaging (ADR 6.1.5.1.7) SP58	RAJA Pack LDPE	1320 * 850 * 0.28	4,5,6



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.

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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, relativ humidity
6.1.5.3 Drop test
6.1.5.6 Stacking test

SCOPE OF APPROVAL:
The packaging shall always be used according to the requirement of the applicable UN code and its packaging instruction.
The specified minimum cushioning thicknesses shall be maintained between all inner packagings and between the inner packagings and the corresponding walls of the outer packaging.

APPROVED CONTENT:

#: Content	Max. gross mass, kg	Min. distance between inner packings, mm	Min. distance between inner packing and packaging wall, mm	Min. cushioning to top and bottom, mm
1: Articles or inner packagings of any type for solids or liquids packed in plastic bags filled with vermiculite	5.0	38	45	67
2: Articles or inner packagings of any type for solids or liquids packed in plastic bags filled with vermiculite	12.0	35	35	90
3: Articles or inner packagings of any type for solids or liquids packed in plastic bags filled with vermiculite	20.0	35	35	70
4: Articles or inner packagings of any type for solids or liquids packed in plastic bags filled with vermiculite	20.0	40	40	100

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5: Articles or inner packagings of any type for solids or liquids packed in plastic bags filled with vermiculite	25.0	40	40	90
6: Articles or inner packagings of any type for solids or liquids packed in plastic bags filled with vermiculite	30.0	50	50	125

DOCUMENTS FORMING THE BASIS FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET12501A#6	19.03.2021	NET	Type approval
NET12501A#5	07.04.2021	NET	Type approval
NET12501A#4	07.04.2021	NET	Type approval
NET12501A#3	07.04.2021	NET	Type approval
NET12501A#2	07.04.2021	NET	Type approval
NET12501A#1	07.04.2021	NET	Type approval

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

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BREVIK, NORWAY **02.11.2026** CERTIFICATE IS VALID UNTIL: **30.04.2031**

Mathias Werner
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

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