# TYPE APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET7105A

HOLDER OF CERTIFICATE:

## Kongsberg Emballasje AS

**MANUFACTURER:** Kongsberg Emballasje AS, Sportsveien 9, N-3615 Kongsberg, Norway

**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. Each LP shall also be marked with maximum permitted stacking load according to ADR 6.6.3.3.1 (as shown in figure to left).

**(un) 50D/Y/MMYY/N/NET7105A - ID/526/292**

| | |
|---|---|
| (un) | : The United Nations symbol |
| 50D | : Large Packaging, plywood |
| Y | : Packaging group II |
| MMYY | : To be replaced with the month and year, last two digits, of manufacturer |
| N | : Norway, the state authorizing the allocation of the mark |
| NET7105A - ID | : Identification of the LP followed by "ID" to be replaced by the name or symbol of the manufacturer |
| 526 | : The stacking test load in kg |
| 292 | : The maximum permissible gross mass in kg |

**PRODUCT:**

| Description/ Method of manufacture | Material/ thickness, mm |
|---|---|
| Flight case constructed with aluminium frame and insulated sandwich panels, fitted with hinged lid, locking system and rubber feet for mechanical handling. | 7 layer 9 mm thick waterproof plywood |

**DIMENSIONS:**

| Volume, l / Tare weight, kg | Internal dimensions: L*W*H, mm | External dim.: L*W*H, mm | Drawing |
|---|---|---|---|
| 712 | 973*615*1069 | 996*640*1300 | 71DR05A |



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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

**CLOSING MECHANISM:**

| Lid with steel hinges and locks | Producer | Drawings | Material |
|---|---|---|---|
| 7 layer plywood | Kongsberg Emballasje AS | 71DR05A | Plywood / Aluminium |
| 4 strut hinges | Penn Elcom | 35*68 mm | Chrome steel |
| 2 Butterfly locks | Penn Elcom | 102*105 mm | Galavanised steel |
| Cabinet door | Nuova Rade, Lalizas Italia s.r.l | - | Plastic |

**ACCESSORIES:**

| Type | Description | Material |
|---|---|---|
| Interior of plastic foam | Fitted to the electric actuator | Polyethylen Stratocell |
| Rubber feet | - | Undefined rubber |

**LEGISLATION:**
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.

**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:
6.6.5.3.1 Bottom lift test
6.6.5.3.3 Stacking test
6.6.5.3.4 Drop 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 |
|---|
| UN3481 Lithium Ion Batteries Packed with equipment according to report NET7105A |

**DOCUMENTS BASED UPON FOR APPROVAL:**

| Report id. | Date | Issued by | Scope |
|---|---|---|---|
| NET7105A | 13.02.2019 | NET | Type approval |
| NET7106A2 | 09.02.2026 | NET | Selective test, new cabinet door and feets |
| NET7105A3 | 09.02.2026 | NET | Selective test, new cabinet door and feets |


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**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.

NORSK AKKREDITERING TEST 259

BREVIK, NORWAY **10.02.2026** CERTIFICATE IS VALID UNTIL: **28.02.2031**

Mathias Werner
Certification Officer

Rune Madsen Fink
Control Officer

*Nordisk Emballasje Testing Certification*


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