

**TYPE APPROVAL OF PACKAGING FOR  
TRANSPORTATION OF DANGEROUS GOODS  
CERTIFICATE NO.: NET9703R**

HOLDER OF CERTIFICATE:  
**Muovi-Heljanko OY**


**MANUFACTURER:** Muovi-Heljanko OY, Mustanlähteentie 5, FIN 07230 Monninkylä, Finland?

**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 6 mm high. of an appropriate size.

The packaging shall also be appropriately marked with the month of the manufacture. The period of use permitted for the carriage of dangerous substances shall be five years from the date of manufacture of the jerricans, except where a shorter period of use is prescribed because of the nature of the substance to be carried.

 **3H1/Y1.2/150/YR/N/NET9703R-ID**

-  : The United Nations symbol
- 3H1 : Plastics jerricans, non-removable head
- Y1.2 : Packaging group II and III, and relative density of the substance
- 150 : Hydraulic test pressure in kPa
- YR : To be replaced with the last two digits of the year of manufacture
- N : Norway, the state authorizing the allocation of the mark
- NET9703R - ID : Identification of the jerrican followed by "ID" to be replaced by the name or symbol of the manufacturer

**PRODUCT:**

Description/ Method of manufacture

Blow moulded jerrican performed in a multilayer extruder, details in report.



**DIMENSIONS:**

Weight of the jerrican, g	Volume, l	L*W*H, mm	Neck size, mm	Min. wall thickness, mm	Drawing
1: 186.7-198.3	5.0	191.6*128.0*32 2.0	40	0.66	505 Rev.C
2: 160.8-170.6	4.0	191.6*128.0*27 5.0	40	0.66	504 Rev.C

3: 137.0-145.4	3.0	191.6*128.0*23 2.0	40	0.66	503 Rev.C
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**CLOSING MECHANISM:**

Screw cap	Producer	Drawings	Material	Gasket	Torque
Child resistant, 40 mm	Emballator Växjöplast AB	40-255 / 901G, 12436	ACP4561 / MB7541	EPE/ALU	5 Nm


**LEGISLATION:**

The approval is valid for a maximum of five years, provided no modifications are made to the packaging design, materials, dimensions, closure system, or construction method. This certificate may be revoked at any time. To ensure its validity, please check the published version online ([www.net17025.com/Sertifisering/UN\\_ADR/cid/30758/](http://www.net17025.com/Sertifisering/UN_ADR/cid/30758/)).

NET issues this certification for the described product under delegated authority from the Norwegian Directorate for Civil Protection (DSB), in accordance with the Legal Regulations for the Transportation of Dangerous Goods by road and railway - 2023/4375 PRAX.

NET issues this certification for the described product under delegated authority from the Norwegian Maritime Authority (Sjøfartsdirektoratet) - 200705977-4/5367.1.

NET issues this certification for the described product based on an agreement with the 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:

6.1.5.2.6 Chemical compatibility

6.1.5.3 Drop test

6.1.5.4 Leakproofness test

6.1.5.5 Internal pressure test

6.1.5.6 Stacking test

6.1.5.7 Supplementary permeability test

**APPROVAL IS VALID FOR:**

The packaging is valid for packaging group II and III containing liquid substances covered by the liquids listed in the table below. The liquids marked with letter A - F are referring to standard liquids listed in ADR 6.1.6.1 and verified by chemical compatibility testing, ADR 6.1.5.2.6, to this specific liquid.

The dangerous substances allowed to transport in the packaging after chemical compatibility with these liquids, are listed in the "Assimilation list" table 4.1.1.21.6 in ADR.

The packaging shall always be used according to the requirements of the applicable UN-code and its packaging instructions.

Content	Max. relative density	Max. vapour pressure, kPa at +50°C
Standard liquid D: Mixture of hydrocarbons	1.2	142.9

**DOCUMENTS BASED UPON FOR APPROVAL:**

Report id.	Date	Issued by	Scope
NET9703A	01.08.2018	NET	Type approval
NET97TE02	01.08.2018	NET	Technical evaluation:3,4
NET9703R	09.09.2020	NET	Type approval
9703RBatch0122	08.08.2022	NET	Verification test, MLPCR

**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 NS-EN ISO 16106:2020.

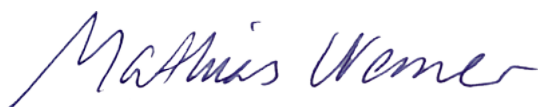
**TEST STANDARD:**

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 and NS-EN ISO 13274:2013.



BREVIK, NORWAY

**05.10.2022** CERTIFICATE IS VALID UNTIL:

**31.10.2024**


 Mathias Werner  
 Certification Officer



 Rune Madsen Fink  
 Control Officer

*Nordisk Emballasje Testing Certification*