



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

HOLDER OF CERTIFICATE:
Muovi-heljanko OY

MANUFACTURER: Muovi-heljanko OY, Mustanlähteentie 5, 07230 Monninkylä, Finland

MARKING ON PACKAGING:  **3H1/Y1.2/150/YR/N/NET9703R - ID**

"YR" to be replaced with the two last digits of the year.

"ID" to be replaced by any identification as decided by the manufacturer.

The packaging shall also be appropriately marked with the month of the manufacture.

PRODUCT:

Packaging code	Description	Drawings	Material in multilayer
3H1, Plastics jerricans	non-removable head, 5 l	505 Rev.C	HDPE / PCR / HDPE
3H1, Plastics jerricans	non-removable head, 4 l	504 Rev.C	HDPE / PCR / HDPE
3H1, Plastics jerricans	non-removable head, 3 l	503 Rev.C	HDPE / PCR / HDPE



DIMENSIONS:

#: Weight of jerrycan, g	Volume, l	Length, mm	Width, mm	Height, mm	Neck size, mm
1: 186.7-198.3	5.0	191.6	128.0	322.0	40 mm
2: 160.8-170.6	4.0	191.6	128.0	275.0	40 mm
3: 137.0-145.4	3.0	191.6	128.0	232.0	40 mm

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



APPROVAL:

The certificate is valid for a maximum of five years, provided no modifications have been made to the packaging design, materials, dimensions, closure system or manner of construction. To ensure validation of the certificate, check the NET website.

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.

APPROVAL IS VALID FOR:

The packaging is valid for packaging group II and III containing liquid substances that are 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 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.

Permeability test has been carried out and approved according to ADR 6.1.5.7.

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Packaging #
Standard liquid D: Mixture of hydrocarbons	1.2	142.9	1,2,3

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

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 and ISO13274.

This type approved packaging is subject to the criteria of NET ITM010, and must pass a specific set of continuing tests in accordance with ADR 6.1.4.8.8 to ensure the validation.



PORSGRUNN, NORWAY

24.09.2020

CERTIFICATE IS VALID UNTIL:

30.09.2022



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification