



PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET9705R

HOLDER OF CERTIFICATE:
Muovi-heljanko OY

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

MARKING ON PACKAGING:  **3H1/Y1.4/100/YR/N/NET9705R - 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	W-3489-16918	HDPE / PCR / HDPE
3H1, Plastics jerricans	non-removable head, 4 l	W-3489-18095	HDPE / PCR / HDPE
3H1, Plastics jerricans	non-removable head, 3 l	W-3489-18101	HDPE / PCR / HDPE



DIMENSIONS:

#: Weight of jerrican, g	Volume, l	Length, mm	Width, mm	Height, mm	Neck size, mm
1: 154.0-165.2	5.0	189.5	127.0	289.0	40 mm
2: 129.6-139.1	4.0	189.5	127.0	234.0	40 mm
3: 109.6-117.6	3.0	189.5	127.0	189.0	40 mm

CLOSING MECHANISM:

#: Screw cap	Producer	Drawings	Material	Gasket	Torque, Nm
1: 40 mm	Emballator Växjöplast AB	12486	ACP4561	EPE/ALU	5
2: 40 mm	Emballator Växjöplast AB	12369C	ACP4561	EPE/PET	5
3: 40 mm, child resistant	Emballator Växjöplast AB	12445	MB 7541/ MB 7541	EPE/PET	5
4: 40 mm	Modulpac AB	8400013	Marlex 5502BN	Cone	5
5: 40 mm	Modulpac AB	7400010	Marlex 5502BN	PET liner	5
6: 40 mm	Modulpac AB	8400028	Marlex 5502BN	Cone	5
7: 40 mm, child resistant	Modulpac AB	8400001	DOW KT 10000 UE	Cone	5
8: 40 mm, child resistant	Modulpac AB	8400002	DOW KT 10000 UE	PET liner	5



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 do not adversely affect the packaging materials. Permeability test has been carried out according to ADR 6.1.5.7. Compatibility testing has been carried out according to ADR/RID with the content listed below:

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Screw cap #
Water	1.4	114	3
Acetic acid	1.1	114	1-8

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET9705A	02.11.2018	NET	Type approval
NET97TE03	01.11.2018	NET	Technical evaluation: 3,4
NET9705R	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

25.09.2020 CERTIFICATE IS VALID UNTIL:

30.09.2022

A handwritten signature in blue ink, reading 'Geir M. Johansen'.

Geir Morten Johansen
Certification Officer

A handwritten signature in blue ink, reading 'Rune Madsen Fink'.

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification

A large, faint, light blue background logo in the center of the page, resembling a stylized umbrella or a shield with a cross-like shape in the middle.