



**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET9705A**

HOLDER OF CERTIFICATE:
Muovi-heljanko OY

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

MARKING ON PACKAGING:  **3H1/Y1.4/100/YR/N/NET9705A - 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
3H1, Plastics jerricans	non-removable head, 5 l	W-3489-16918	HDPE
3H1, Plastics jerricans	non-removable head, 4 l	W-3489-18095	HDPE
3H1, Plastics jerricans	non-removable head, 3 l	W-3489-18101	HDPE

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



DIMENSIONS:

#: Weight of jerrican, g	Volume, l	Length, mm	Width, mm	Height, mm	Neck size, mm
1: 146.1-154.0	5.0	189.5	127.0	289.0	40 mm
2: 123.0-129.7	4.0	189.5	127.0	234.0	40 mm
3: 104.1-109.7	3.0	189.5	127.0	189.0	40 mm

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

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.



PORSGRUNN, NORWAY

15.11.2018 CERTIFICATE IS VALID UNTIL:

30.11.2023


 Geir Morten Johansen
 Certification Officer



 Rune Madsen Fink
 Control Officer

Nordisk Emballasje Testing AS Certification