



**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 , details in report
3H1, Plastics jerricans	non-removable head, 4 l	W-3489-18095	HDPE , details in report
3H1, Plastics jerricans	non-removable head, 3 l	W-3489-18101	HDPE , details in report



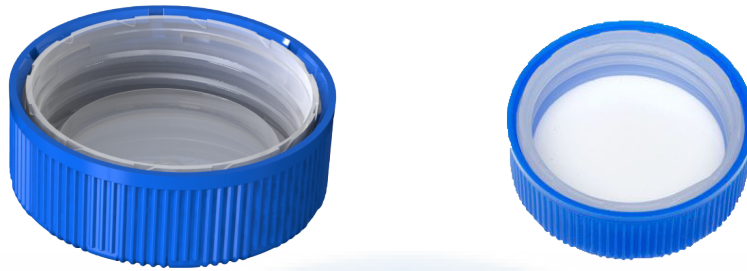
DIMENSIONS:

#: 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

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	40PM/ 8400013	HDPE, details in report	Cone	5
5: 40 mm	Modulpac AB	40PMV/ 7400010	HDPE, details in report	PE foam, perforated/ PTFE	5
6: 40 mm	Modulpac AB	PMF/ 8400028	HDPE, details in report	Cone	5
7: 40 mm, child resistant	Modulpac AB	40B/ 8400001	HDPE, details in report	Cone	5
8: 40 mm, child resistant	Modulpac AB	40BA/ 8400002	HDPE, details in report	PET/Alkozell /PET	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
NET2814A	08.01.2021	NET	Additional test, 40B
NET2815A	28.01.2021	NET	Additional test, 40BA
NET2813A	08.01.2021	NET	Additional test, 40PMV
NET2817A	03.02.2021	NET	Additional test, 40PM

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.

The packagings shall be manufactured, reconditioned and tested under a quality assurance programme which satisfies NET Certification, in order to ensure that each packaging meets the requirements in ADR and the guidelines in ISO 16106.



PORSGRUNN, NORWAY

02.03.2021 CERTIFICATE IS VALID UNTIL:**30.11.2023**

Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification