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

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

(un) 3H1/Y1.4/100/YR/N/NET9705A-ID

(un)	: The United Nations symbol
3H1	: Plastics jerricans, non-removable head
Y1.4	: Packaging group II and III, and max relative density of the substance
100	: 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
NET9705A - ID	: Identification of the jerrican followed by "ID" to be replaced by the name or symbol of the manufacturer

PRODUCT:

Description
Blow moulded stackable jerrican performed in HDPE, details in report.



DIMENSIONS:

Weight of the jerrican, g	Volume, l	L*W*H, mm	Neck size, mm	Drawing
1: 146.1-154.0	5.0	189.5*127.0*289.0	40	W-3489-16918
2: 123.0-129.7	4.0	189.5*127.0*234.0	40	W-3489-18095
3: 104.1-109.7	3.0	189.5*127.0*189.0	40	W-3489-18101

NET Emballasje- og Produkttesting AS
Blekebakkvegen 45
N-3950 Brevik
Telephone +47 900 17025
E-mail: info@net17025.com
Web: www.net17025.com
VAT No.: 990 793 840
Bank account: 6250.05.22351
GPS: 59°03'25'' N 9°40'70'' E

FOR A FILLING TEMPERATURE OF 15 °C,
THE MAXIMUM DEGREE OF FILLING FOR THIS PACKAGING SHALL BE

Initial boiling point in °C	<= 60	>= 60 < 100	>= 100 < 200	>= 200 < 300	>= 300
5 Liter	5.1	5.2	5.3	5.4	5.5
4 Liter	4.1	4.2	4.3	4.4	4.5
3 Liter	3.1	3.2	3.3	3.4	3.5

CLOSING MECHANISM:

#: Screw cap	Producer	Drawings	Material	Gasket	Torque
1: 40 mm	Modulpac AB	8400013/ 40PM	HDPE, details in report	Cone	5
2: 40 mm	Modulpac AB	7400010/ 40PMV	HDPE, details in report	EPE/ PET	5
3: 40 mm	Modulpac AB	8400028/ 40PMF	HDPE, details in report	Cone	5
4: CR 40 mm	Modulpac AB	8400001/ 40B	HDPE/ HDPE, details in report	Cone	5
5: CR 40 mm	Modulpac AB	8400002/ 40BA	HDPE/ HDPE, details in report	EPE/ PET	5
6: 40 mm	Emballator Växjöplast AB	12486	HDPE, details in report	EPE/ ALU	5
7: 40 mm	Emballator Växjöplast AB	12369C	HDPE, details in report	EPE/ PET	5
8: 40 mm CR	Emballator Växjöplast AB	12445	HDPE/ HDPE, details in report	EPE/ PET	5



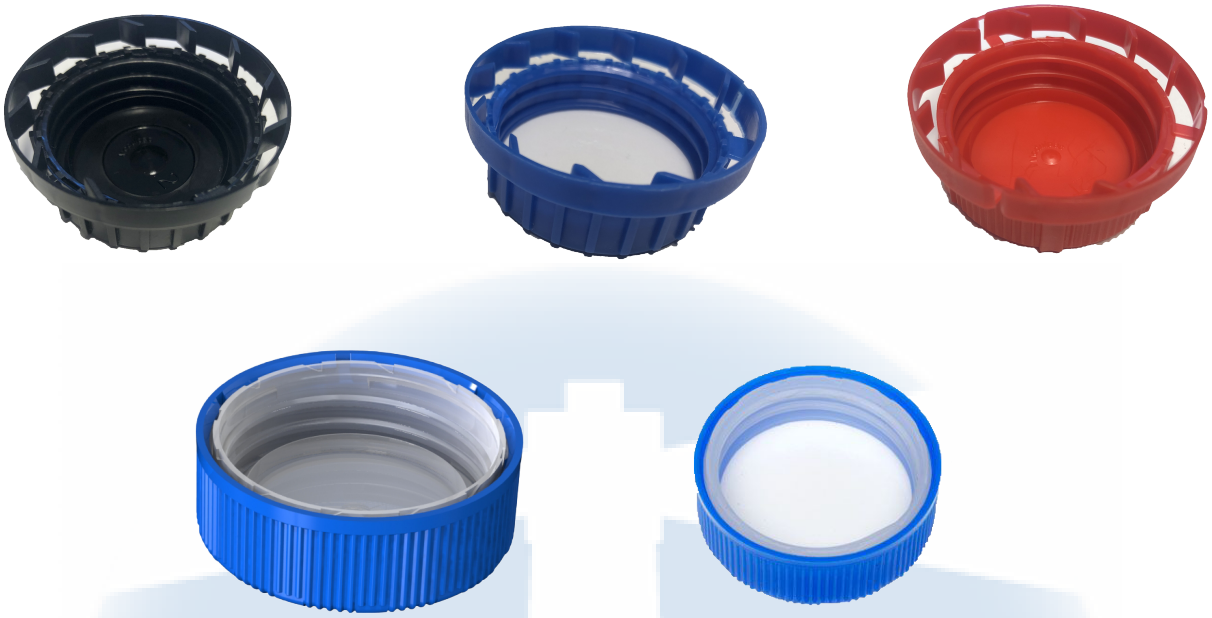




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LEGISLATION:
The certificate is valid for a maximum of five years, provided no modifications have been made to the packaging design, materials, dimensions, closure system or manner of construction. To ensure validation of the certificate, check the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

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

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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	Screw cap #
Standard liquid B: Acetic Acid	1.1	114	1-8
Standard liquid F: Water	1.4	114	1,3,4,5

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
NET2817A2	03.09.2021	NET	Additional test, 40PM
NET2832A	03.09.2021	NET	Additional test, 40PMF
NET9705R3	06.04.2022	NET	Additional type test, water 4,6,7,8

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 ISO 16106.

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.

NORSK AKKREDITERING TEST 259

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BREVIK, NORWAY **07.04.2022** CERTIFICATE IS VALID UNTIL: **30.04.2027**

Geir Morten Johansen
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

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