TYPE APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0208C

HOLDER OF CERTIFICATE:

Berry Norway Containers AS, Kambo

MANUFACTURER: Berry Norway Containers AS, Kambo, Boks 3054, N-1506 Moss, Norway

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. The period of use permitted for the carriage of dangerous substances shall be five years from the date of manufacture of the jerricans, except where a shorter period of use is prescribed because of the nature of the substance to be carried.

(un) 3H1/Y1.9/150/YR/N/NET0208C - ID

(un)	: The United Nations symbol
3H1	: Plastics jerricans, non-removable head
Y1.9	: Packaging group II and III, and relative density of the substance
150	: 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
NET0208C - ID	: Identification of the jerrican followed by "ID" to be replaced by the name or symbol of the manufacturer

PRODUCT:

Method of manufacture/ Description
Blow moulded jerrican with open handle performed in HDPE, details in report.

DIMENSIONS:

#: Weight of jerrican, g	Volume, l	L*W*H, mm	Neck size, mm	Drawing/ Product	Thickness, mm
1: 130 - 270	4.0	193.5*129*249	40	B-30913 / 9457, 4 L	0.57
2: 160 - 270	4.0	193.5*129*249	40	B-30896A / 9454, 4 L	0.67

NET Emballasje- og Produkttesting AS
Blekebakkvegen 45
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VAT No.: 990 793 840
Bank account: 6250.05.22351
GPS: 59°03'25'' N 9°40'70'' E

MAXIMUM DEGREE OF FILLING IN LITER AT 15 °C, SHALL BE:

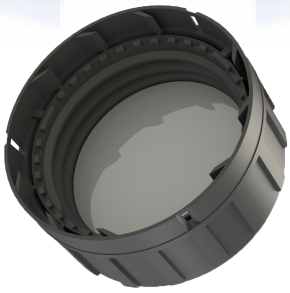
Initial boiling point in °C	< 60	>= 60 < 100	>= 100 < 200	>= 200 < 300	>= 300
Degree of filling in liter	3.9	4.0	4.1	4.2	4.3

CLOSING MECHANISM:

#: Screw cap	Producer	Drawing	Material	Gasket	Torque
1: 40 mm, child resistant	Modulpac AB	40BPP/ 8400002	HDPE, details in report	PET/ PE/ foamed EPE/ PE/ PET	5 Nm
2: 40 mm	Modulpac AB	40PM/ 8400013	HDPE, details in report	Cone	6 Nm
4: 40 mm	Modulpac AB	40PMF/ 8400028	HDPE, details in report	Cone	10 Nm
5: 40 mm, child resistant	Modulpac AB	40BPP POM/ 840002	POM/ HDPE details in report	PET/ PE/ foamed EPE/ PE/ PET	5 Nm
6: 40 mm, child resistant	Emballator Växjöplast AB	12445	MB7541/ MB7541	EPE/ALU	5 Nm
7: 40 mm, child resistant	Emballator Växjöplast AB	12445	MB7541/ MB7541	EPE/PET	5 Nm





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LEGISLATION:
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
6.1.5.7 Supplementary permeability test

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. Transport of the substance is only allowed if the approval of the standard liquid(S), covered by "Rule for collective entries", has the same or higher relative density as the substance to be transported.
The packaging shall always be used according to the requirements of the applicable UN-code and its packaging instructions.

Content	Max. relative density	Jerrican #	Screw cap #	Max. vapour pressure, kPa at +50°C
Standard liquid F: Water	1.9	1	1, 2, 6, 7	143
Standard liquid C: n-Butyl acetate	1.0	1	1, 2, 6, 7	143
Standard liquid D: Mixture of hydrocarbons	1.0	1	1, 2, 5, 6, 7	143
Standard liquid B: Acetic Acid	1.1	1	1, 2, 4, 6, 7	143
Standard liquid A: Wetting Solution	1.2	2	1, 2, 6, 7	143
Standard liquid B: Acetic Acid	1.2	2	1, 2, 6, 7	143

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DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0203A	27.03.2007	NET	Type testing
NET0208A	06.11.2007	NET	Technical evaluation
NET0203C	26.01.2009	NET	Type testing
NET0208C	26.01.2009	NET	Technical evaluation
NET02T07	07.06.2012	NET	Type testing
NET0208C-1	04.09.2013	NET	Type testing
NET28POM40B	29.03.2017	NET	Additional test, cap 5
NET0211D4	17.12.2018	NET	Additional test, cap 6,7
NET0211D5	11.12.2018	NET	Additional test, cap 6,7 W.s.
NET2823A	23.03.2021	NET	Additional test, 40BPP
NET2821A	23.03.2021	NET	Additional test, 40BPP POM
NET2817A2	03.09.2021	NET	Additional test, 40PM
NET2832A	03.09.2021	NET	Additional test, 40PMF

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.
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.

NORSK AKKREDITERING TEST 259

BREVIK, NORWAY **21.11.2023** CERTIFICATE IS VALID UNTIL: **30.09.2026**

Geir Morten Johansen
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

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