




PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0211D

HOLDER OF CERTIFICATE:
Berry Packaging Norway AS, Kambo

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

MARKING ON PACKAGING:  **3H1/Y1.9/150/YR/N/NET0211D - 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:

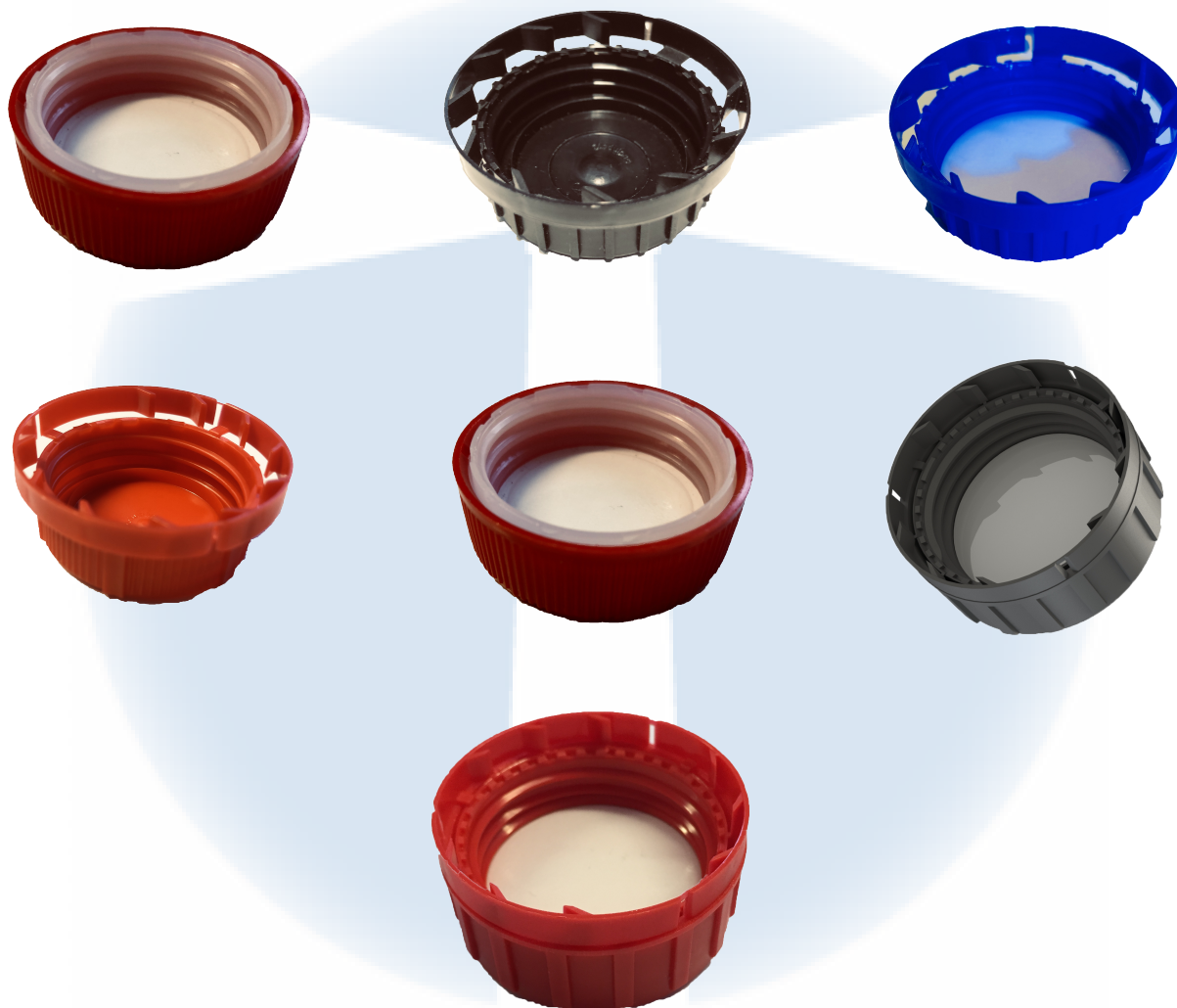
Packaging code	Description	Drawing	Material
3H1, 5.0 L	Plastics jerricans, non-removable head	B-30985 (9433 220313)	HDPE, details in report
3H1, 4.0 L	Plastics jerricans, non-removable head	B-30795B (9434)	HDPE, details in report
3H1, 3.0 L	Plastics jerricans, non-removable head	B-30906 (9456)	HDPE, details in report



CLOSING MECHANISM:

#: Screw cap	Producer	Drawing	Material	Gasket	Torque
1: 40 mm child resistant	Modulpac AB	8400002	HYA600 / HMA025	PET/Alkozell	5 Nm
2: 40 mm	Modulpac AB	8400013	HYA600	Cone sealing	10 Nm
4: 40 mm	Modulpac AB	7400009	HYA600	Expanded PE	6 Nm
5: 40 mm	Modulpac AB	8400015	Marlex 5502BN	Cone sealing	6 Nm

6: 40 mm	Modulpac AB	8400002	POM C9N / HMA025	PET/Alkozell/ PET	5 Nm
7: 40 mm child resistant	Emballator Växjöplast AB	12445	MB7541 / MB7541	EPE/ALU	5 Nm
8: 40 mm child resistant	Emballator Växjöplast AB	12445	MB7541 / MB7541	EPE/PET	5 Nm



DIMENSIONS:

#: Weight of jerrican, g	Volume, l	Length, mm	Width, mm	Height, mm	Neck size, mm
1: 151 - 288	5	192	128	290	40
2: 181 - 288	5	192	128	290	40
3: 131 - 253	4	192	128	246	40
4: 161 - 253	4	192	128	246	40
5: 111 - 218	3	192	128	205	40
6: 141 - 218	3	192	128	205	40

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.

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 (standard liquid)	Max. relative density	Jerrican #	Screw cap #	Max vapour pressure, kPa at 50°C
Water	1.9	1, 3, 5	1, 2, 3, 4, 7, 8	143
n-Butyl acetate	1.0	1, 3, 5	1, 2, 3, 4, 7, 8	120
Mixture of hydrocarbons	1.0	1, 3, 5	1, 2, 3, 4, 6, 7, 8	120
Acetic acid	1.1	1, 3, 5	1, 2, 3, 4, 5, 7, 8	120
Wetting solution	1.2	2, 4, 6	1, 2, 3, 4, 7, 8	143
Acetic acid	1.2	2, 4, 6	1, 2, 3, 4, 7, 8	143
Acetic acid	1.1	1, 3, 5	5, 7, 8	143

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
99H60867A	08.09.1999	SP	Type testing
P002340	21.03.2000	SP	Type testing
P007624	14.09.2000	SP	Type testing
NET0211D	16.05.2012	NET	Type testing
NET02TE04	01.02.2012	NET	Technical evaluation, c.b.
NET02T07	07.06.2012	NET	Type testing
NET0211C-1	04.09.2013	NET	Type testing
NET02POM40B	29.03.2017	NET	Additional cap, #6
NET0211D4	17.12.2018	NET	Additional test, cap 7,8
NET0211D5	11.12.2018	NET	Additional test, cap 7,8 W.s.

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

28.04.2020 CERTIFICATE IS VALID UNTIL:**30.04.2025**

Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification