

# **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:**

"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.

 **3H1/Y1.9/150/YR  
N/NET0211D - ID**

**PRODUCT:**

Packaging code	Description	Drawing	Material
3H1, Plastics jerricans	Non-removable head	B-30985 (9433 220313, 5 l))	HDPE, details in report
3H1, Plastics jerricans	Non-removable head	B-30795B (9434, 4 l))	HDPE, details in report
3H1, Plastics jerricans	Non-removable head	B-30906 (9456, 3 l)	HDPE, details in report



**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

**CLOSING MECHANISM:**

#: Screw cap	Producer	Drawing	Material	Gasket	Torque
1: 40 mm CRC	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	10 Nm
4: 40 mm	Modulpac AB	40PMP/ 8400017	HDPE, details in report	PP details in report	6 Nm
5: 40 mm	Modulpac AB	40PMF/ 8400028	HDPE, details in report	Cone sealing	6 Nm
6: 40 mm CRC	Modulpac AB	40BPP POM/ 8400002	POM/ HDPE, details in report	PET/PE/ foamed EPE/ PE/ PET	5 Nm
7: 40 mm CRC	Emballator Växjöplast AB	12445	MB7541 / MB7541	EPE/ALU	5 Nm
8: 40 mm CRC	Emballator Växjöplast AB	12445	MB7541 / MB7541	EPE/PET	5 Nm





### 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.

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.
NET2821A	23.03.2021	NET	Additional test, 40BPP POM
NET2817A	03.02.2021	NET	Additional test, 40PM
NET2823A	23.03.2021	NET	Additional test, 40BPP

## 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.



BREVIK, NORWAY

26.03.2021 CERTIFICATE IS VALID UNTIL:

31.03.2026



Geir Morten Johansen  
Certification Officer



Rune Madsen Fink  
Control Officer

Nordisk Emballasje Testing Certification