TYPE APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0140D

HOLDER OF CERTIFICATE:

Emballator Mellerud Plast AB

MANUFACTURER: Emballator Mellerud Plast AB, Box 83, SE-464 22 Mellerud, SWEDEN

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

(un) 3H1/Y1.4/150/YR/N/NET0140D

(un)	: The United Nations symbol
3H1	: Plastics jerricans, non-removable head
Y1.4	: 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
NET0140D	: Identification of the jerrican

PRODUCT:

Description/ Method of manufacture
Blow moulded stackable jerrican performed in HDPE, details in report.

DIMENSIONS:

Weight jerrican, g	Volume, l/ min. wallthickness	L*W*H, mm	Neck size, mm	Drawing
1: 920 -1579	25.0/ 1.13	288*251*456	61/ 25	H2500-610-131, H2500-610-142
2: 807 - 1384	20.0/ 1.13	288*251*380	61/ 25	H2000-610-131, H2000-610-142
3: 702 - 1204	15.0/ 1.13	288*251*310	61/ 25	H1500-610-131, H1500-610-142

NET AS
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GPS: 59°03'25'' N 9°40'70'' E

4: 1143-1499	25.0/ 1.44	288*251*456	61/ 25	H2500-610-131, H2500-610-142
5: 999-1323	20.0/ 1.44	288*251*380	61/ 25	H2000-610-131, H2000-610-142
6: 865-1160	15.0/ 1.44	288*251*310	61/ 25	H1500-610-131, H1500-610-142
7: 1113-1369	25.0/ 1.37	288*251*456	61/ 22	D2500-610-104Å
8: 821 - 1410	20.0/ 1.13	288*251*390	61/ 25	H2000-610-131
9: 1042- 1410	20.0/ 1.44	288*251*390	61/ 25	H2000-610-131

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

Initial boiling point in °C	< 60	>= 60 < 100	>= 100 < 200	>= 200 < 300	>= 300
25 L	24.9	25.4	26.0	26.5	27.1
20 L	19.9	20.4	21.0	21.5	22.1
15 L	14.9	15.4	16.0	16.5	17.1

CLOSING MECHANISM:

#: Screw cap	Producer	Drawing	Material	Gasket	Torque
1: 61 mm	Bergi-Plast GmbH	Kanisterverschluss Nr.61 n. v.8	HDPE, details in report	EPE 300	20 Nm
2: 61 mm vented	Bergi-Plast GmbH	00-1837	HDPE, details in report	EPE 300	20 Nm
3: 61 mm	Bericap GmbH	SK 60/31 MAB MDR	HDPE, details in report	ALKOzell 300	20 Nm
4: 61 mm	KTH GmbH	61/16-ov	HDPE, details in report	Alveocel	20 Nm
5: CR 61 mm	Bericap GmbH	ENG-00-013532	HDPE, details in report	PE/Alkozell/ PE	20 Nm
6: 25 mm	Modulpac AB	25PMPP/ 7250001	HDPE, details in report	PET/Alkozell/ PET	3 Nm
7: CR 22	Modulpac AB	22YD / 22IO	HDPE / HDPE, details in report	Alu wad	3 Nm

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LEGISLATION:
NET issues this certification pursuant to delegated authority from the Norwegian Directorate for Civil Protection (DSB), in accordance with the Regulation of 1 April 2009 No. 384 on the land transport of dangerous goods, Chapter 6a (ref. 2023/4375 PRAX). NET is designated as the competent body for allocation of the UN mark on packagings, including IBCs and large packagings, as published by the United Nations (UNECE) list of competent authorities.
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

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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. 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.

Prior to reuse, all UN-approved packagings intended for the transport of dangerous goods shall be inspected to confirm that they remain free from damage, corrosion, and contamination. Compliance with the original ADR type approval, including all applicable prototype test performance criteria, must be ensured.
Packagings showing any sign of reduced mechanical integrity shall be subject to reconditioning, repair, or permanent withdrawal from service. All functional components - including closures, gaskets, and valves - must remain intact and fully operational to ensure continued conformity.
Packagings that no longer fulfil these requirements shall not be reused for the transport of dangerous goods, in accordance with ADR 4.1.1.9.

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Packaging # / Screw cap #
Standard liquid B: Acetic Acid	1.1	143	1-6,8,9 / 1,3,5,6
Standard liquid C: n-Butyl acetate	1.0	143	4,5,6,8,9 / 1,3,5,6
Standard liquid D: Mixture of hydrocarbons	1.0	143	4-9 / 1,3-7
Standard liquid E: Nitric Acid	1.4	143	4,5,6,8,9 / 1,2,3,5,6

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0140D	08.02.25	NET	Type approval
NET01TE18	13.03.25	NET	Technical evaluation, 20, 15 light
NET01TE19	13.03.25	NET	Technical evaluation, 20, 15 heavy

VALIDITY:
This approval is valid for five (5) years, provided no modifications are made to the packaging design, materials, dimensions, closure system, or method of construction.
The certificate may be withdrawn at any time.
The published version on www.net17025.com/Sertifisering/UN_ADR/cid/30758/ shall always be considered the valid one.
The certificate holder/manufacturer must notify NET Certification of any changes that may influence transport safety.
Continued validity requires 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 programme meeting ADR requirements and guidelines in NS-EN ISO 16106:2020.

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TEST STANDARD:
All tests are performed in accordance with NET accredited test method ATM001. The test method is accredited in accordance with NS-EN ISO/IEC 17025:2017 approved by Norsk Akkreditering and according to NS-EN ISO 16495:2022 and NS-EN ISO 13274:2013.

NORSK AKKREDITERING TEST 259

BREVIK, NORWAY **04.12.2025** CERTIFICATE IS VALID UNTIL: **31.03.2030**

Mathias Werner
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

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