

PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0120A


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.

 **3H1/Y1.#/100/YR/N/NET0120A - ID**

	: The United Nations symbol
3H1	: Plastics jerricans, non-removable head
Y1.#	: Packaging group II and III, and relativ density of the substance, # to be replaced by either 2 or 9, see content table
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
NET0120A - ID	: Identification of the jerrican followed by "ID" to be replaced by the name or symbol of the manufacturer

PRODUCT:

Description	Drawings
Blow moulded jerrican performed in HDPE, Sabic B5210	D2500-610-104 I, D2000-610-104 I, D2500-610-104 H, D2000-610-104 H



DIMENSIONS:

#: Weight of the jerrican, g	Volume, l	L*W*H, mm	Neck size, mm
1: 930-100	25.0	290*250*445	60
2: 1120-1308	25.0	290*250*445	60
3: 1163-1401	25.0	290*250*445	60
4: 830-982	20.0	290*250*370	60
5: 900-1208	20.0	290*250*370	60

**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
Degree of filling in liter	24.84	25.40	25.95	26.50	27.06

CLOSING MECHANISM:

#: Screw cap	Producer	Drawings	Material	Gasket	Torque, Nm
1: 60 mm	Bergi GmbH	00-1836	Total 51090	Foamed PE	20-25
2: 60 mm	KTH GmbH	V6122-OV	HMX 50100	Foamed PE	20-25
3: 60 mm vented	KTH GmbH	V6122-OV	HMX 50100	Foamed PE	20-25
4: 60 mm	BERGICAP GmbH & Co	ENG-00-027965	Rigidex HD5050EA	ALKOsafe Paper 801/30/12/60	20
5: 60 mm	Emballator Växjöplast AB	12575	HDPE, details in report	EPE/PET, EPE/IHS, EPE/ALU	20-25



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
- 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.
The packaging shall always be used according to the requirements of the applicable UN-code and its packaging instructions.
This jerrican has two different marking for max relative density. Content with max relative density above 1.2 is only allowed in jerricans marked 1.9.

Content	Max. gross weight, kg	Max. vapour pressure, kPa at +50°C	Closure# / Jerrican #
Standard liquid A: Wetting Solution	1.2	114	1-3, 5 / 3
Standard liquid B: Acetic Acid	1.1	114	1-3, 5 / 1,2,4,5
Standard liquid C: n-Butyl acetate	1.0	114	1-5 / 1,2,4,5
Standard liquid D: Mixture of hydrocarbons	1.0	114	1-5 / 1,2,4,5
Standard liquid F: Water	1.9	114	1-5 / 1,2,4,5
Standard liquid F: Water	1.2	114	4 / 4
UN3105, Organic Peroxide	1.0	114	1-3, 5 / 3

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
P806145	01.07.2009	SP	Type approval
NET0120A	19.01.2011	NET	Type approval
NET0120A-1	08.08.2012	NET	Type approval
NET01TE03	12.03.2013	NET	Technical evaluation
NET01TE05	28.08.2013	NET	Technical evaluation
NET01TE06	13.12.2013	NET	Technical evaluation
NET01TE10	03.10.2014	NET	Technical evaluation

NET01TE12	18.05.2015	NET	Technical evaluation
NET16T04	02.01.2017	NET	Type test, cap #5

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.



BREVIK, NORWAY

31.01.2022 CERTIFICATE IS VALID UNTIL:

31.01.2027



Mathias Werner
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification