

**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0119A**


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

 **3H1/X1.2/250/YR/N/NET0119A - ID**

-  : The United Nations symbol
- 3H1 : Plastics jerricans, non-removable head
- X1.2 : Packaging group I, and relativ density of the substance
- 250 : 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
- NET0119A - 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	HE0200-611 20110114



DIMENSIONS:

Weight of the jerrican, g	Volume, l	L*W*H, mm	Neck size, mm
148.7 - 156.1	2.0	120.0*100.0*245.2	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	2.11	2.16	2.20	2.25	2.30

CLOSING MECHANISM:

#: Screw cap	Producer	Drawings	Material	Gasket	Torque, Nm
1: 61 mm	Bergi GmbH	00-1836	Total 51090	Foamed PE	10
2: 61 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:

6.1.5.3 Drop test

6.1.5.4 Leakproofness test

6.1.5.5 Internal pressure test

6.1.5.6 Stacking 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.

Content	Max. gross weight, kg	Max. vapour pressure, kPa at +50°C
Standard liquid F: Water	1.2	200

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0119A	19.01.2011	NET	Type approval
NET16T04	02.01.2017	NET	Type test, cap #2

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.

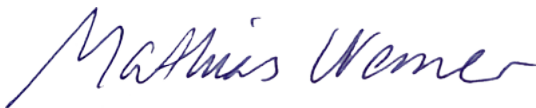
TEST STANDARD:

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