




**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0103B**

HOLDER OF CERTIFICATE:
Emballator Mellerud Plast AB

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

MARKING ON PACKAGING:  **1H1/Y1.2/100/YR/N/NET0103B - 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.

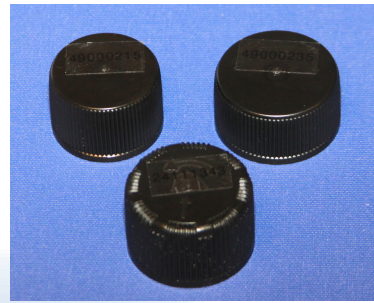
The packaging shall also be appropriately marked with the month of the manufacture.

PRODUCT:

Packaging code	Description	Drawings	Material
1H1	Plastics drums, non-removable head	U0-100-280, U0-100-330	HDPE

CLOSING MECHANISM:

Screw cap	Producer	Drawings	Material	Gasket	Torque
32 mm	Emballator Växjöplast AB	12485	HDPE	none	2 - 3 Nm
28 mm	Emballator Växjöplast AB	12484	HDPE	none	2 - 3 Nm
32 mm child resistant	Modulpac AB	8320004	HDPE / HDPE	Alkozell	3 Nm
32 mm child resistant	Emballator Växjöplast AB	12524	HDPE / HDPE	none	3 Nm


DIMENSIONS:

#: Weight of drum, g	Volume, l	Height, mm	Diameter, mm	Neck size, mm
1: 47.4 - 62.5	1.0	253.6	82.5	28
2: 47.4 - 62.5	1.0	253.6	82.5	32
3: 49.7 - 57.9	1.0	253.6	82.5	28
4: 49.7 - 57.9	1.0	253.6	82.5	32

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 containing liquid substances that do not adversely affect the packaging materials. Compatibility testing has been carried out according to ADR/RID with the content listed below:

Standard liquid	Max. relative density	Max. vapour pressure, kPa at +50°C	Drum #
Acetic acid	1.1	114	1,2,3,4
Water	1.2	114	1,2,3,4
Mixture of hydrocarbons	1.0	114	3,4

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
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NET0103B	17.03.2015	NET	Type approval
NET0103B2	22.10.2015	NET	Additional test WS
NET28T0103A	03.12.2018	NET	Additional test cap 8320004
NET0103A3	03.12.2018	NET	Additional test cap 12485, 12524

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

23.01.2019

CERTIFICATE IS VALID UNTIL:

31.01.2024



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification