



**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0103A**

HOLDER OF CERTIFICATE:
Emballator Mellerud Plast AB

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

MARKING ON PACKAGING:  **1H1/Y1.9/150/YR/N/NET0103A - 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	HU0155-280-300	HDPE, Sabic B5210
1H1	Plastics drums, non-removable head	HU0155-332-400	HDPE, Sabic B5210

CLOSING MECHANISM:

#: Closure type	Producer	Drawings	Material	Gasket	Torque
1: Screw cap 32 mm	Emballator Växjö Plast AB	12485	Borealis BL 2631	None	2 - 3 Nm
2: Screw cap 28 mm	Emballator Växjö Plast AB	12484	Borealis BL 2631	None	2 - 3 Nm
3: Screw cap, childproof 32 mm	Modulpac AB	32BO	BPA 402CB12/Exxon HMA 025	Alkozell	2 - 3 Nm



DIMENSIONS:

Packaging weight, g	Volume, litre	Height, mm	Diameter, mm	Neck size, mm
1: 55-70	1.0	253.6	82.5	28
2: 55-70	1.0	253.6	82.5	32

APPROVAL:

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 delegated authority from Norwegian Civil Aviation Authority (Luftfartstilsynet) - 200701524-6/492/JLU.

REGULATIONS BASED UPON FOR APPROVAL:

ADR, European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID, International Regulations on Transport of Dangerous Goods by Rail.

UN Recommendations on the Transport of Dangerous Goods.

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.

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Packaging #	Closure #
Water	1.9	142	1-2	1,2,3,4
White spirit	1.0	142	1-2	1,2,3,4
Wetting solution	1.2	142	1-2	1,2,3,4
n-Butyl acetate	1.0	142	1-2	1,2,3,4
Acetic acid	1.2	142	1-2	1,2,3,4

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0103A	02.08.2007	NET	Type approval

LERUM, SWEDEN

05.01.2013

CERTIFICATE IS VALID UNTIL:

31.01.2018



Susanne E. Dalhberg
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification