



**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, (Industrigatan 2)
S-464 22 Mellerud
SWEDEN

Product:	Packaging code	Description	Drawings	Material
	1H1	Plastics drum with non-removable head	Drum, 1 litre, Drawing HU0155-280-300 HU0155-320-300	Sabic HDPE, B5210

Closing mechanism:	Closure type	Material in cap	Gasket	Closing torque
	Plastic screw cap, 32 mm Drawing nr. 11352-HD	Borealis HDPE, BL2631	None	Handtorque
	Plastic screw cap, 28 mm Drawing nr. 11351	Borealis HDPE, BL2631	None	Handtorque
	Plastic screw cap, 32 mm Drawing nr. 32BO	inner: BP 402CB12 outer: Exxon HMA025	Alkozell	Handtorque
	Plastic screw cap, 28 mm Drawing nr. 28BO	inner: BP 402CB12 outer: Exxon HMA025	Alkozell	Handtorque

Photo:



Dimensions:	Neck size, mm	Packaging weight, g	Volume, litre	Height, mm	Diameter, mm
	28	55-70	1	253.6	81,2
	32	55-70	1	253.6	81,2

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.

Approval: NET issues the certification on described product according to delegated authority from Norwegian Directorate for Civil Protection and Emergency Planning (DSB):

Legal regulations on Transportation of Dangerous Goods on road and railway § 11-1, 7th segment.

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.
 COTIF, Convention concerning International Carriage 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:

Liquid substances that do not adversely affect the packaging materials. Compatibility testing has been carried out according to ADR/RID with the standard liquids listed below. The packaging is not approved for the carriage of benzene, toluene, xylene or mixtures and preparations containing those substances.

Packaging groups	Standard liquid	Max. relative density	Max. vapour pressure, kPa at +50°C
II and III	water	1.9	142 kPa
II and III	n-butyl acetate	1.0	142 kPa
II and III	acetic acid	1.2	142 kPa
II and III	wetting solution	1.2	142 kPa
II and III	white spirit	1.0	142 kPa

Basis for certification: Type Approval with new material

Documents based upon for approval:

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

Porsgrunn: 30.11.2007

Certificate is valid until: 30.11.2012



Geir Morten Johansen
 Certification Officer



Rune Madsen Fink
 Control Officer

Nordisk Emballasje Testing AS
Certification