




**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0111A**

HOLDER OF CERTIFICATE:
Emballator Mellerud Plast AB

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

MARKING ON PACKAGING:  **3H1/Y1.4/150/YR/N/NET0111A - 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 |
|----------------|--|------------|-------------------------------|
| 3H1 | Plastics jerricans, non-removable head, 10 l | H1049-410N | HDPE, as defined in report |

CLOSING MECHANISM:

| Closure type | Gasket | Drawings | Material | Producer | Torque |
|--------------|----------------------------|-----------|---|------------------------------|--------|
| 1: Screw cap | None | 12142B | Basell ACP 6541A | Emballator Växjö Plast AB | 7 Nm |
| 2: Screw cap | PET coated polyethylene | 11376 | Sabic B 5429 | Emballator Växjö Plast AB | 7 Nm |
| 3: Screw cap | Procell E | V 6126 OV | Chevron Phillips Marlex HXM 50100 | KTH GmbH | 10 Nm |
| 4: Screw cap | None | 12142B | Sabic B 5429 | Emballator Växjö Plast AB | 7 Nm |

DIMENSIONS:

| Packaging weight, g | Volume, litre | Height, mm | Width, mm | Length, mm | Neck size, mm |
|---------------------|---------------|------------|-----------|------------|---------------|
| 1: 490 | 10.0 | 302 | 190 | 246 | 40 |
| 2: 490 | 10.0 | 302 | 190 | 246 | 50 |

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 # |
|-----------------|-----------------------|------------------------------------|-------------|-----------|
| Acetic acid | 1.1 | 142 | 1,2 | 1,2,3,4 |
| n-Butyl acetate | 1.0 | 142 | 1,2 | 1,2,3,4 |
| White spirit | 1.0 | 142 | 1,2 | 1,2,3,4 |
| Water | 1.4 | 142 | 1,2 | 1,2,3,4 |

DOCUMENTS BASED UPON FOR APPROVAL:

| Report id. | Date | Issued by | Scope |
|------------|------------|-----------|---------------|
| NET0111A | 04.10.2007 | NET | Type approval |

LERUM, SWEDEN

06.01.2013

CERTIFICATE IS VALID UNTIL:

31.01.2018



Susanne E. Dalhberg
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification