




**PRODUCT APPROVAL OF PACKAGING  
FOR TRANSPORTATION OF DANGEROUS GOODS  
CERTIFICATE NO.: NET0140SA**

HOLDER OF CERTIFICATE:  
**Emballator Mellerud Plast AB**

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

**MARKING ON PACKAGING:**  **3H1/Y1.9/150/YR/N/NET0140SA - 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 | H2500-610-131,<br>H2000-610-131,<br>H1500-610-131 | HDPE, details in report |
| 3H1, Plastics jerricans | non-removable head | H2500-610-142,<br>H2000-610-142,<br>H1500-610-142 | HDPE, details in report |
| 3H1, Plastics jerricans | non-removable head | D2500-610-104Å                                    | HDPE, details in report |

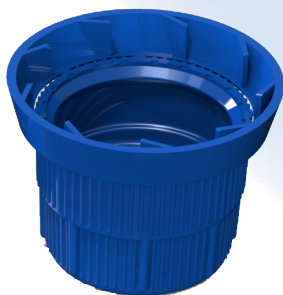


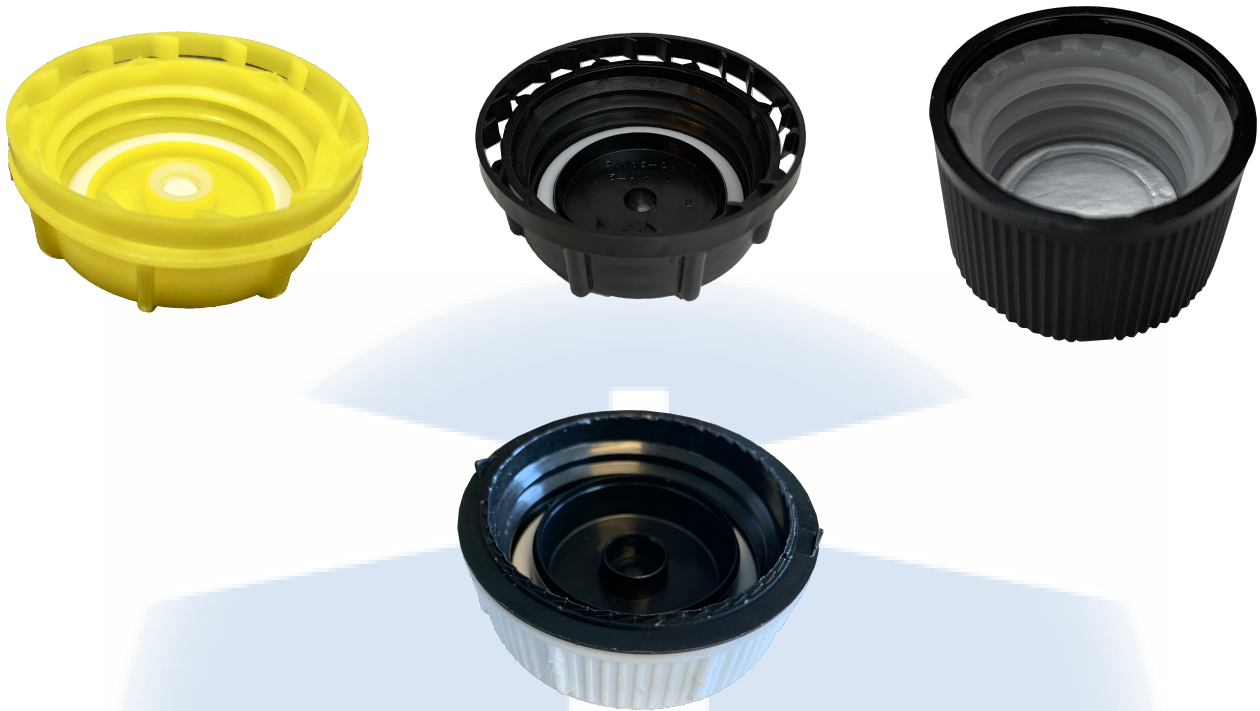
**DIMENSIONS:**

| #: Weight, g | Volume, l | Length, mm | Width, mm | Height, mm | Neck size, mm |
|--------------|-----------|------------|-----------|------------|---------------|
| 1: 922-1499  | 25.0      | 288        | 251       | 456        | 61 / 25       |
| 2: 808-1323  | 20.0      | 288        | 251       | 380        | 61 / 25       |
| 3: 703-1160  | 15.0      | 288        | 251       | 310        | 61 / 25       |
| 4: 1143-1499 | 25.0      | 288        | 251       | 456        | 61 / 25       |
| 5: 999-1323  | 20.0      | 288        | 251       | 380        | 61 / 25       |
| 6: 865-1160  | 15.0      | 288        | 251       | 310        | 61 / 25       |
| 7: 1113-1369 | 25.0      | 288        | 251       | 456        | 61 / 22       |

**CLOSING MECHANISM:**

| #: Screw cap    | Producer         | Drawings                        | Material             | Gasket            | Torque |
|-----------------|------------------|---------------------------------|----------------------|-------------------|--------|
| 1: 61 mm        | Bergi-Plast GmbH | Kanisterverschluss Nr.61 n. v.8 | Total 51090          | EPE 300           | 20 Nm  |
| 2: 61 mm vented | Bergi-Plast GmbH | 00-1837                         | Total 51090          | EPE 300           | 20 Nm  |
| 3: 61 mm        | Bericap GmbH     | SK 60/31 MAB MDR                | Rigidex HD5310BM     | ALKOzell 300      | 20 Nm  |
| 4: 61 mm        | KTH GmbH         | 61/16-ov                        | Marlex HXM 50100     | Alveocel          | 20 Nm  |
| 5: CR 61 mm     | Bericap GmbH     | ENG-00-013532                   | HDPE                 | PE/Alkozell/PE    | 20 Nm  |
| 6: 25 mm        | Modulpac AB      | 8250001                         | Ineos PE B53-35H-011 | PET/Alkozell/PE T | 3 Nm   |
| 7: CR 22 mm     | Modulpac AB      | 22YD / 22IO                     | HDPE / HDPE          | Alu wad           | 3 Nm   |





**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 are 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 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. Permeability test has been carried out and approved according to ADR 6.1.5.7.

The packaging shall always be used according to the requirements of the applicable UN-code and its packaging instructions.

| Content                                    | Max. relative density | Max. vapour pressure, kPa at +50°C | Jerrican # | Closure #        |
|--|-----------------------|------------------------------------|------------|------------------|
| Standard liquid C: n-Butyl acetate         | 1.0                   | 143                                | 4-6        | 1, 3, 4, 6       |
| Standard liquid E: Nitric Acid             | 1.4                   | 143                                | 4-6        | 1, 2, 3, 4, 6    |
| Standard liquid D: Mixture of hydrocarbons | 1.0                   | 143                                | 4-6, 7     | 1, 3, 4, 5, 6, 7 |
| Standard liquid B: Acetic Acid             | 1.1                   | 143                                | 1-6        | 1, 3, 4, 6       |
| Standard liquid F: Water                   | 1.9                   | 143                                | 1-6        | 1, 3, 4, 6       |
| Standard liquid A: Wetting Solution        | 1.2                   | 143                                | 4-6        | 1, 3, 4, 6       |

**DOCUMENTS BASED UPON FOR APPROVAL:**

| Report id. | Date       | Issued by | Scope                             |
|------------|------------|-----------|-----------------------------------|
| NET0140SA  | 08.04.2019 | NET       | Type approval                     |
| NET01TE14  | 13.05.2019 | NET       | Technical evaluation, 20 and 15 l |
| NET0140SA3 | 07.01.2020 | NET       | Additional type test, cap 2-4     |
| NET0140SA4 | 10.09.2020 | NET       | Additional type test, CR caps     |

**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

**25.09.2020** CERTIFICATE IS VALID UNTIL:

**30.09.2025**



Geir Morten Johansen  
Certification Officer



Rune Madsen Fink  
Control Officer

*Nordisk Emballasje Testing AS Certification*