



**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET8001B**

HOLDER OF CERTIFICATE:
Greif Scandinavia

MANUFACTURER: Greif Scandinavia

MARKING ON PACKAGING:  **3H1/Y1.9/200/YR/N/NET8001B - 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.

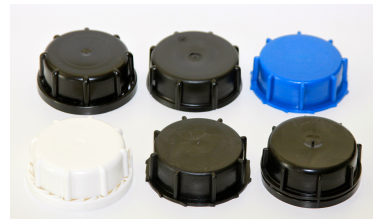
PRODUCT:

| Packaging code | Description | Drawings | Material |
|----------------|---|-----------------------------------|----------|
| 3H1 / 20.0 L | Plastics jerricans, non-removable head | FB-0021 Rev 01, FB-0001 Rev 03 | HDPE |
| 3H1 / 25.0 L | Plastics jerricans, non-removable head | FB-0022 Rev 01, FB-0002 Rev 03 | HDPE |
| 3H1 / 27.5 L | Plastics jerricans, non-removable head | FB-0023 Rev 01, FB-0003 Rev 03 | HDPE |
| 3H1 / 30.0 L | Plastics jerricans, non-removable head | FB-0024 Rev 01, FB-0004 Rev 03 | HDPE |

CLOSING MECHANISM:

| #: Closure type | Producer | Drawings | Material | Gasket | Torque |
|----------------------------|--------------------|----------------|----------|------------------------|--------|
| 1: Screw cap 60 mm | Tri-Sure | Art. nr. 20000 | HDPE | Expended PE, O-ring | 25 Nm |
| 2: Screw cap 60 mm | Tri-Sure | Art. nr. 20010 | HDPE | PE foam, oblat | 25 Nm |
| 3: Screw cap 60 mm | Tri-Sure | Art. nr. 20013 | HDPE | Expended PE, O-ring | 25 Nm |
| 4: Screw cap, vented 60 mm | Tri-Sure | Art. nr. 20091 | HDPE | Expended PE, O-ring | 25 Nm |
| 5: Screw cap 60 mm | Greif Sweden AB | Art. nr. 40268 | HDPE | Expended PE, O-ring | 25 Nm |
| 6: Screw cap 60 mm | Greif Sweden AB | Art. nr. 40277 | HDPE | Expended PE, O-ring | 25 Nm |
| 7: Screw cap 60 mm | Bergi Plast | - | HDPE | EPE 300 | 25 Nm |

| | | | | | |
|---------------------|--------------------|--------------|------|-------------------|-------|
| 8: Screw cap 60 mm | Westphal Lange | - | HDPE | Alkozell | 25 Nm |
| 9: Screw cap 60 mm | Westphal Lange | - | HDPE | Alkozell | 25 Nm |
| 10: Screw cap 60 mm | Greif Sweden AB | - | HDPE | EPE 300 | 25 Nm |
| 11: Screw cap 60 mm | Kunststoff-technik | - | HDPE | PE | 25 Nm |
| 12: Screw cap 60 mm | Procap | - | HDPE | Induction liner | 25 Nm |
| 13: Screw cap 25 mm | Modulpac AB | 25PMO Rev. 3 | HDPE | PET/Alkozell/PE T | 3 Nm |


DIMENSIONS:

| Packaging weight, g | Volume, l | Height, mm | Width, mm | Length, mm | Neck size, mm |
|---------------------|-----------|------------|-----------|------------|---------------|
| 1: 1034 - 1300 | 20.0 | 376 | 260 | 295 | 60 |
| 2: 1200 - 1300 | 20.0 | 376 | 260 | 295 | 60 |
| 3: 1137 - 1500 | 25.0 | 441 | 260 | 295 | 60 |
| 4: 1180 - 1500 | 25.0 | 441 | 260 | 295 | 60 |
| 5: 1300 - 1500 | 25.0 | 441 | 260 | 295 | 60 |
| 6: 1500 - 1575 | 25.0 | 441 | 260 | 295 | 60 |
| 7: 1226 - 1287 | 27.5 | 470 | 260 | 295 | 60 |
| 8: 1310 - 1620 | 30.0 | 508 | 260 | 295 | 60 |
| 9: 1380 - 1620 | 30.0 | 508 | 260 | 295 | 60 |
| 10: 1500 - 1620 | 30.0 | 508 | 260 | 295 | 60 |
| 11: 1080-1134 | 20.0 | 376 | 260 | 295 | 60 |
| 12: 1180-1239 | 25.0 | 441 | 260 | 295 | 60 |
| 13: 1380-1449 | 30.0 | 508 | 260 | 295 | 60 |

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.

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. Permeability test has been carried out according to ADR 6.1.5.7. 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 | 1.2 | 200 | All items | All items, not 12 |
| n-Butyl acetate | 1.0 | 200 | All items | All items, not 10, 12, 13 |
| Nitric acid 55% | 1.4 | 200 | All items | All items, not 12, 13 |
| Wetting solution | 1.2 | 200 | All items | All items, not 12 |
| Water | 1.9 | 200 | All items | All items |
| White spirit | 1.0 | 200 | All items | All items, not 10, 12, 13 |
| Nitric Acid 65% | 1.4 | 200 | 2, 6 | 5, 6, 7, 8, 9, 11 |
| Organic Peroxide | 1.2 | 200 | 2, 5 | 5, 6, 7, 8, 9, 11 |
| Methyl Ethyl Ketone Peroxide | 1.2 | 200 | 5 | 5, 6, 11 |
| Propionic Acid | 1.0 | 200 | 6 | 5, 6, 11 |
| Promyr XR680 | 1.4 | 200 | 6 | 5, 6, 11 |
| Nitric acid 62% | 1.4 | 200 | 11, 12, 13 | 5, 6, 7, 8, 9, 11 |

DOCUMENTS BASED UPON FOR APPROVAL:

| Report id. | Date | Issued by | Scope |
|------------|------------|-----------|--------------------------|
| NET8001B | 01.11.2013 | NET | Type approval |
| NET8001A2 | 08.04.2016 | NET | Additional test, cap #13 |

LERUM, SWEDEN

12.04.2016 CERTIFICATE IS VALID UNTIL:

30.04.2021



Susanne E. Dahlberg
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification