



**PRODUCT APPROVAL OF PACKAGING
FOR
TRANSPORTATION OF DANGEROUS GOODS**

CERTIFICATE NO.: NET0401B

Holder of certificate: Promens AS, Kambo Packaging

Manufacturer: Promens AS, Kambo Packaging
Box 3054, (Brevikveien 535)
N-1506 Moss
NORWAY


| Product: | Packaging code | Description | Drawings | Material |
|----------|----------------|---|--|-----------------------|
| | 3H1 | Plastics jerrican with non-removable head | Jerrican, 15 litre, product name: Drawing nr. A0-015-E | Borealis HDPE, BL0521 |

| Closing mechanism: | Closure | Producer | Product name | Material in cap | Gasket | Closing torque |
|--------------------|-----------|-----------------------|-------------------|-------------------|---------|----------------|
| | Screw cap | Promens OY, Klaukkala | Drawing. A3-030-E | HDPE, Sabic B5823 | PE foam | 15 Nm |

Photo:



| Dimensions: | Neck size, mm | Packaging weight, g | Volume, litre | Height, mm | Width, mm | Length, mm |
|-------------|---------------|---------------------|---------------|------------|-----------|------------|
| | 55 | 900 | 15 | 401 | 196 | 292 |

Marking on packaging:  **3H1/Y/100/YR/N/NET0401B – 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.

NET issues the certification on described product according to delegated authority from Norwegian Maritime Directorate (Sjøfartsdirektoratet), RSR-13-2008 (02.09.2008).

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:

Liquid substances that do not adversely affect the packaging materials.

Compatibility testing of identical jerrican design in material Borealis HDPE HE8214 has been carried out for 6 months in room temperature with product "Synteko Blank" manufactured by Nobel Coatings AB, Malmö, Sweden (UN1263).

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

| Packaging groups | Liquid | Max. relative density | Max. vapor pressure at 50°C |
|------------------|-------------------------------|-----------------------|-----------------------------|
| II and III | Synteko Classic 1646 (UN1263) | 1.0 | 114 kPa |
| II and III | acetic acid | 1.1 | 114 kPa |
| II and III | white spirit | 1.0 | 114 kPa |

Basis for certification: Replacing SP 11 42 25

Documents based upon for approval:

| Report id. | Date | Issued by | Scope |
|------------|------------|-----------|--------------|
| SLRU02125 | 10.02.2003 | Borealis | Type testing |

Porsgrunn:

06.05.2009

Certificate is valid until:

30.11.2013



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS
Certification