



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

CERTIFICATE NO.: NET0405C

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, 25 litre, product name: ODD, Drawing nr. AO-002-E	Borealis HDPE, BL1481

Closing mechanism:	Closure	Producer	Product name	Material in cap	Gasket	Closing torque
	1 Screw cap	Promens Klaukkala OY	Drawing no.: SK61/16-OV	Total HDPE SI508	PE foam	20 Nm
	2 Screw cap	Promens Klaukkala OY	Drawing no.: SK61/16-OV	Borealis HDPE, BL1481	Polycel 300	20 Nm
	3 Screw cap with venting	Promens Klaukkala OY	Drawing no.: SK61/16-OV	Total HDPE SI508	PE foam	20 Nm
	4 Screw cap with venting	KTH	Drawing no.: V6124	Marlex HXM 50100 / Lupolen 4261A	Polycel 300	20 Nm

Photo:



Dimensions:	Neck size, mm	Packaging weight, g	Volume, litre	Height, mm	Width, mm	Length, mm
	60	1050 - 1350	25	433	260	295
	60	925 - 1176	20	365	260	295
	60	805 - 1004	15	290	260	295

Marking on packaging:  **3H1/Y1.9/150/YR/N/NET0405C - 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 has been carried out according to ADR/RID with the standard liquids listed below. Permeability test has been carried out 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.

Packaging groups	Content/standard liquid	Max. relative density	Closure	Max. vapour pressure, kPa at +50°C
II and III	water	1.9	1 and 2	142
II and III	n-butyl-acetate	1.0	1 and 2	142
II and III	wetting agent	1.2	1 and 2	142
II and III	white spirit	1.0	1 and 2	142
II and III	nitric acid	1.4	1, 3 and 4	142

Basis for certification: Type approval with new cap

Documents based upon for approval:

Report id.	Date	Issued by	Scope
SSGU04118	02.09.2004	Borealis	Type testing
SSGU05008	21.04.2005	Borealis	Type testing
SSGU05010	31.05.2005	Borealis	Additional type testing
060087	30.05.2006	TÜV	Type testing
090061	06.02.2009	TÜV	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