



# **PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET8802A**

HOLDER OF CERTIFICATE:

**Europak OY**

**MANUFACTURER:**

Europak OY, Pieni Teollisuuskatu 9, FI-02920 ESPOO, Finland

**MARKING ON PACKAGING:**

**Ⓜ 3H1/Y1.9/160/YR/N/NET8802A - 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	25 L Kanisteri 20.03.17	HMW HDPE, details in report

**CLOSING MECHANISM:**

#: Closure type	Producer	Description	Material	Gasket	Torque, Nm
1: Screw cap	Bericap Ltd	61 mm tamper evident, conical seal, vented	HDPE, details in report	PE foam	25
2: Screw cap	KTH GmbH	61 mm, conical seal	HDPE, details in report	PE foam	25
3: Screw cap	Bericap Ltd	61 mm tamper evident	HDPE, details in report	ALU liner	25
4: Screw cap	Emballator Växjö Plast AB	61 mm tamper evident	HDPE, details in report	EPE/PET, EPE/ALU	25
5: Screw cap	KTH GmbH	61 mm tamper evident, conical seal	HDPE, details in report	PE foam	25
6: Screw cap	KTH GmbH	61 mm tamper evident	HDPE, details in report	ALU liner	25
7: Screw cap	Bericap Ltd	61 mm tamper evident, conical seal	HDPE, details in report	PE foam	25
8: Screw cap	KTH GmbH	61 mm tamper evident, conical seal, vented	HDPE, details in report	Cone	25



# DIMENSIONS:

Packaging weight, g	Volume, l	Height, mm	Width, mm	Length, mm
1040-1100	25.0	454	240	294
800-1050	20.0	379	240	294
700	15.0	306	240	294

### 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.

### 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	Closure #
Water	1.8	148	1-8
Nitric acid	1.4	137	2,4,5,7
Wetting solution	1.2	148	1,4,7
Acetic acid	1.2	148	1,4,7
White spirit	1.2	125	2,4
Water	1.2	148	1-8
Water	1.9	148	4

### DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
VTT-S-04534-07	25.05.2007	VTT	Type testing
VTT-S-06819-08	02.09.2008	VTT	Type testing
VTT-S-08715-13	10.12.2013	VTT	Type testing
VTT-S-04534-15	03.07.2015	VTT	Type testing
VTT-S-04534-16	11.04.2016	VTT	Type testing
NET8802A	29.06.2017	NET	Type testing, cap #4

PORSRUNN, NORWAY

07.07.2017 CERTIFICATE IS VALID UNTIL:

31.07.2022

A handwritten signature in blue ink, appearing to read 'Geir M. Johansen'.

Geir Morten Johansen  
Certification Officer

A handwritten signature in blue ink, appearing to read 'Rune Madsen Fink'.

Rune Madsen Fink  
Control Officer

*Nordisk Emballasje Testing AS Certification*