



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



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

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



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.

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

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.

The packagings shall be manufactured, reconditioned and tested under a quality assurance programme which satisfies NET Certification, in order to ensure that each packaging meets the requirements in ADR and the guidelines in ISO 16106.



BREVIK, NORWAY

30.04.2021

CERTIFICATE IS VALID UNTIL:

30.04.2026



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification