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

HOLDER OF CERTIFICATE:
Greif Sweden AB

MANUFACTURER: Greif Sweden AB, Kvekatorpsvägen 25, Box 203, SE-311 23 Falkenberg, Sweden

MARKING ON PACKAGING:
Each packaging intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high. The packaging shall also be appropriately marked with the month of manufacture. The period of use permitted for the carriage of dangerous substances shall be five years from the date of manufacture of the jerricans, except where a shorter period of use is prescribed because of the nature of the substance to be carried.

(un) 3H1/Y1.9/200/YR/N/NET8001B

(un)	: The United Nations symbol
3H1	: Plastics jerricans, non-removable head
Y1.9	: Packaging group II and III, and maximum relative density 1.9
200	: Hydraulic test pressure in kPa
YR	: To be replaced with the last two digits of the year of manufacture
N	: Norway, the state authorizing the allocation of the mark
NET8001B	: Identification of the jerrican

PRODUCT:

Description
Blow-moulded stackable jerrican manufactured from HDPE. Design details are specified in the applicable test reports.

NET AS
Blekebakkvegen 45
N-3950 Brevik

Telephone +47 900 17025
E-mail: info@net17025.com
Web: www.net17025.com

VAT No.: 990 793 840
Bank account: 6250.05.22351
GPS: 59°03'25'' N 9°40'70'' E

DIMENSIONS:

Packaging weight, g	Volume, l	L*W*H, mm	Neck size, mm	Drawing
1: 1034 - 1300	20.0	295*260*376	60 / 25	FB-0021 Rev 01, FB-0001 Rev 03
2: 1200 - 1300	20.0	295*260*376	60 / 25	FB-0021 Rev 01, FB-0001 Rev 03
3: 1137 - 1500	25.0	295*260*441	60 / 25	FB-0022 Rev 01, FB-0002 Rev 03
4: 1180 - 1500	25.0	295*260*441	60 / 25	FB-0022 Rev 01, FB-0002 Rev 03
5: 1300 - 1500	25.0	295*260*441	60 / 25	FB-0022 Rev 01, FB-0002 Rev 03
6: 1500 - 1575	25.0	295*260*441	60 / 25	FB-0022 Rev 01, FB-0002 Rev 03
7: 1226 - 1287	27.5	295*260*470	60 / 25	FB-0023 Rev 01, FB-0003 Rev 03
8: 1310 - 1620	30.0	295*260*508	60 / 25	FB-0024 Rev 01, FB-0004 Rev 03
9: 1380 - 1620	30.0	295*260*508	60 / 25	FB-0024 Rev 01, FB-0004 Rev 03
10: 1500 - 1620	30.0	295*260*508	60 / 25	FB-0024 Rev 01, FB-0004 Rev 03
11: 1080-1134	20.0	295*260*376	60 / 25	FB-0021 Rev 01, FB-0001 Rev 03
12: 1180-1239	25.0	295*260*441	60 / 25	FB-0022 Rev 01, FB-0002 Rev 03
13: 1380-1449	30.0	295*260*508	60 / 25	FB-0024 Rev 01, FB-0004 Rev 03

CLOSING MECHANISM:

#: Closure type	Producer	Drawings	Material	Gasket	Torque
1: Screw cap 60 mm	Tri-Sure	Art. nr. 20000	HDPE	Expanded 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	Expanded PE, O-ring	25 Nm
4: Screw cap, vented 60 mm	Tri-Sure	TSF-504351	HDPE	Expanded PE, O-ring	25 Nm
7: Screw cap 60 mm	Bergi Plast	00-1836	HDPE	EPE 300	25 Nm
10: Screw cap 60 mm	Tri-Sure	F4P-2015	HDPE	EPE 300	25 Nm
11: Screw cap 60 mm	Kunststoff-technik	KTH55-SK61-16	HDPE	Expanded PE	25 Nm

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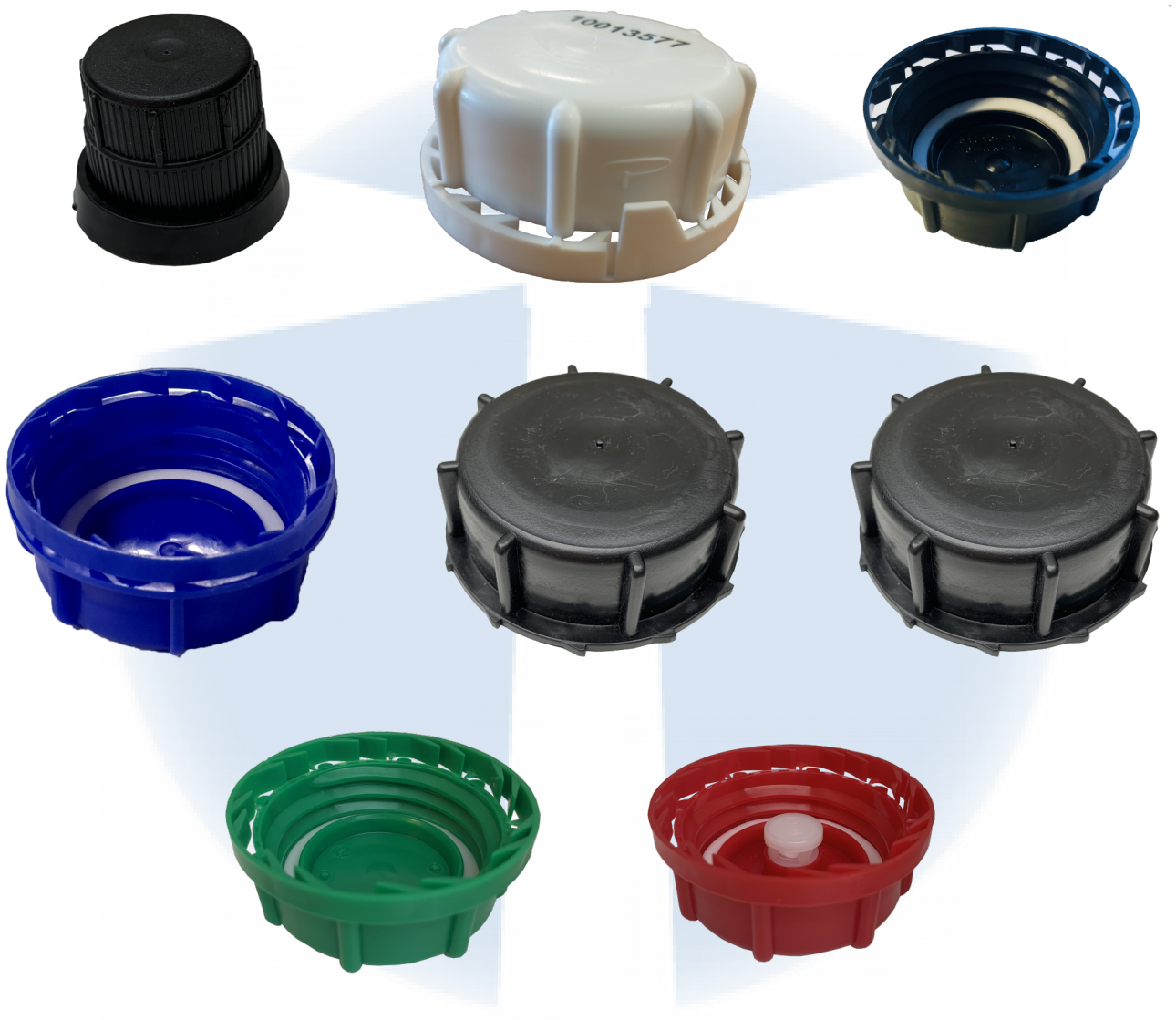
12: Screw cap 60 mm	United Caps	09S41LB13-01P	HDPE	Induction liner	25 Nm
13: Screw cap 25 mm	Modulpac AB	25PMO Rev. 3	HDPE	PET/Alkozell/PE T	3 Nm



LEGISLATION:
NET issues this certification pursuant to delegated authority from the Norwegian Directorate for Civil Protection (DSB), in accordance with the Regulation of 1 April 2009 No. 384 on the land transport of dangerous goods, Chapter 6a (ref. 2023/4375 PRAX). NET is designated as the competent body for allocation of the UN mark on packagings, including IBCs and large packagings, as published by the United Nations (UNECE) list of competent authorities.
NET issues the certification on described product according to delegated authority from Norwegian Maritime Directorate (Sjøfartsdirektoratet) - 200705977-4/5367.1.
NET issues the certification on described product according to an agreement between Norwegian Civil Aviation Authority (Luftfartstilsynet) - 01.03.18 - 18/00114-8.

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REGULATORY BASIS 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.

TESTS CARRIED OUT:
Prototype tests performed and approved according to the above regulations:
6.1.5.2.6 Chemical compatibility
6.1.5.3 Drop test
6.1.5.4 Leakproofness test
6.1.5.5 Internal pressure test
6.1.5.6 Stacking test
6.1.5.7 Supplementary permeability test

APPROVAL IS VALID FOR:
The packaging is valid for packaging group II and III containing liquid substances covered by the liquids listed in the table below. The liquids marked with letter A - F are referring to standard liquids listed in ADR 6.1.6.1 and verified by chemical compatibility testing, ADR 6.1.5.2.6, to this specific liquid.
The dangerous substances allowed to transport in the packaging after chemical compatibility with these liquids, are listed in the "Assimilation list" table 4.1.1.21.6 in ADR. Transport of the substance is only allowed if the approval of the standard liquids, covered by "Rule for collective entries", has the same or higher relative density as the substance to be transported.
The packaging shall always be used in accordance with the requirements applicable to the relevant UN number, substance classification and packing instruction.

Prior to reuse, all UN-approved packagings intended for the transport of dangerous goods shall be inspected to confirm that they remain free from damage, corrosion, and contamination. Compliance with the original ADR type approval, including all applicable prototype test performance criteria, must be ensured.
Packagings showing any sign of reduced mechanical integrity shall be subject to reconditioning, repair, or permanent withdrawal from service. All functional components - including closures, gaskets, and valves - must remain intact and fully operational to ensure continued conformity.
Packagings that no longer fulfill these requirements shall not be reused for the transport of dangerous goods, in accordance with ADR 4.1.1.9.

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Approved content	Max. relative density	Max. vapour pressure, kPa at +50°C	Packaging #	Closure #
Standard liquid B: Acetic Acid	1.2	200	All items	All items, not 12
Standard liquid C: n-Butyl acetate	1.0	200	All items	All items, not 10, 12, 13
Standard liquid E: Nitric Acid	1.4	200	All items	All items, not 12, 13
Standard liquid A: Wetting Solution	1.2	200	All items	All items, not 12
Standard liquid F: Water	1.9	200	All items	All items
Standard liquid D: Mixture of hydrocarbons	1.0	200	All items	All items, not 10, 12, 13
Nitric Acid 65%	1.4	200	2, 6	7, 11
Organic Peroxide	1.2	200	2, 5	7, 11
Methyl Ethyl Ketone Peroxide	1.2	200	5	11
Propionic Acid	1.0	200	6	11
Promyr XR680	1.4	200	6	11
Nitric acid 62%	1.4	200	11, 12, 13	7, 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

VALIDITY:

This approval is valid for five (5) years, provided no modifications are made to the packaging design, materials, dimensions, closure system, or method of construction.
The certificate may be withdrawn at any time.
The published version on www.net17025.com/Sertifisering/UN_ADR/cid/30758/ shall always be considered the valid one.
The certificate holder/manufacturer must notify NET Certification of any changes that may influence transport safety.
Continued validity requires periodic audits by NET in accordance with NET Doc 2: "Production control agreement".
The packaging shall be manufactured, reconditioned and tested under a quality assurance program meeting ADR requirements and guidelines in NS-EN ISO 16106:2020.

TEST STANDARD:

All tests are performed in accordance with NET accredited test method ATM001. The test method is accredited in accordance with NS-EN ISO/IEC 17025:2017 approved by Norsk Akkreditering and according to NS-EN ISO 16495:2022 and NS-EN ISO 13274:2013.

NORSK AKKREDITERING TEST 259

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BREVIK, NORWAY **23.06.2026** CERTIFICATE IS VALID UNTIL: **30.06.2031**

Anita Gusfre Thoner
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

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