TYPE APPROVAL OF PACKAGING FOR TRANSPORT OF DANGEROUS GOODS CERTIFICATE NO.: NET0366E

CERTIFICATE HOLDER:
Greif Sweden AB

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

UN MARKING:
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 the 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/NET0366E

(un)	: The United Nations symbol
3H1	: Plastics jerricans, non-removable head
Y1.9	: Packaging group II and III, and relative density of the substance
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
NET0366E	: Identification of the jerrican

PACKAGING DESIGN:

Method of manufacture/ Description/ Min. wall thickness
Blow-moulded stackable HDPE jerrican with minimum wall thickness of 1.90 mm, equipped with main and vent openings. Details in report.



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Blekebakkvegen 45
N-3950 Brevik

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

DIMENSIONS:

#: Weight of the jerrican, g	Volume, l	L*W*H, mm	Neck size, mm	Drawing
1: 930-1388	20.0	295*260*376	60	FB-0021 Rev B
2: 980-1388	20.0	295*260*376	60	FB-0021 Rev B
3: 1078-1132	20.0	295*260*376	60	FB-0021 Rev B
4: 1071-1598	25.0	295*260*441	60	FB-0022 Rev B
5: 1127-1598	25.0	295*260*441	60	FB-0022 Rev B
6: 1240-1302	25.0	295*260*441	60	FB-0022 Rev B
7: 1124-1676	27.5	295*260*470	60	FB-0023 Rev B

CLOSURES AND FITTINGS:

#: Screw cap	Producer	Drawings	Material	Gasket	Torque
1: 60 mm	Tri-Sure	TSF-504224-2	HDPE, details in report	Washer, expanded PE	25 Nm
2: 60 mm	Tri-Sure	F4P-2015	HDPE, details in report	Wad, expanded PE	25 Nm
3: 60 mm	Tri-Sure	F4P-2015	HDPE, details in report	Washer, expanded PE	25 Nm
4: Vented 60 mm	Tri-Sure	TSF-504351-2	HDPE, details in report	Washer, expanded PE	25 Nm
5: 60 mm	Bergi-Plast GmbH	00-1836	HDPE, details in report	Washer, EPE 300	25 Nm
7: 60 mm	Kunststoff-technik	KTH55-SK61-16	HDPE, details in report	Washer, expanded PE	25 Nm
8: 60 mm	United caps	09S41LB13-01P	HDPE, details in report	Wad, induction liner	25 Nm
9: 25 mm	Modulpac AB	25PMPP REV 3	HDPE, details in report	Wad, PET/ Alkozell/ PET	3 Nm
10: 60 mm	United caps	BV0600C B	HDPE, details in report	Wad, Alu30my/ PET12my/ PE60my	25 Nm
11: Vented 60 mm	Tri-Sure	TSF-505512-1	HDPE, details in report	Washer, expanded PE	25 Nm
12: 60 mm Carbon black free	Tri-Sure	TSF-506492	HDPE, details in report	Washer, expanded PE	25 Nm
13: Vented 60 mm	Bergi-Plast GmbH	00-1837	HDPE, details in report	Washer, EPE 300	20 Nm
14: 60 mm	Tri-Sure	TFS-505972	HDPE, details in report	Washer, expanded PE	25 Nm
15: Vented 60 mm, S17	Tri-Sure	TSF-505920	HDPE, details in report	Wad, expanded PE	25 Nm

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AUTHORITY:
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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APPLICABLE REGULATIONS:
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 PERFORMED:
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

SCOPE OF APPROVAL:
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 liquid(S), 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 according to the requirements of the applicable UN-code and its packaging instructions.

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 fulfil these requirements shall not be reused for the transport of dangerous goods, in accordance with ADR 4.1.1.9.

APPROVED CONTENT:

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Packaging#/ Screw cap#
Standard liquid A: Wetting Solution	1.2	171	All items except vented caps
Standard liquid A: Wetting Solution	1.4	171	3 & 6/ 1,12, 14, 15 & 9
Standard liquid B: Acetic Acid	1.2	171	All items except vented caps
Standard liquid B: Acetic Acid	1.4	171	3 & 6/ 1,12, 14, 15 & 9
Standard liquid C: n-Butyl acetate	1.0	171	All items except vented caps
Standard liquid D: Mixture of hydrocarbons	1.0	171	All items except vented caps

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Standard liquid D: Mixture of hydrocarbons	1.4	171	3 & 6/ 1,12, 14, 15 & 9
Standard liquid E: Nitric Acid	1.4	171	2 & 5/ 1-7, 9, 11, 13, 14 & 15
Standard liquid F: Water	1.9	171	All items except vented caps
Standard liquid A: Wetting Solution	1.5	171	3/ 1,3,5, 14, 15 & 9
Standard liquid D: Mixture of hydrocarbons	1.5	171	3/ 1,3,5, 14, 15 & 9
Standard liquid E: Nitric Acid	1.5	171	3/ 1,3,5, 14, 15 & 9
Standard liquid A: Wetting Solution	1.4	171	3/ 1,3,5, 14, 15 & 9
Standard liquid C: n-Butyl acetate	1.3	171	3/ 1,3,5, 14, 15 & 9

DOCUMENTS FORMING THE BASIS FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0356E	28.08.2025	NET	Type test
NET0356E2	06.01.2026	NET	Type approval
NET03TE47	04.03.2026	NET	Technical evaluation
NET03TE50	20.10.2026	NET	Technical evaluation, S17

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 programme meeting ADR requirements and guidelines in NS-EN ISO 16106:2020.

TEST METHODS AND STANDARDS:

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 **28.10.2026** CERTIFICATE IS VALID UNTIL: **28.02.2031**

Mathias Werner
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

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