TYPE APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0366C

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 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/NET0366C - ID

(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
NET0366C - ID	: Identification of the jerrican followed by "ID" to be replaced by the name or symbol of the manufacturer

PRODUCT:

Method of manufacture/ Description/ Min. wall thickness
Blow moulded stackable jerrican performed in HDPE, details in report.

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, FB-0001 Rev B
2: 980-1388	20.0	295*260*376	60	FB-0021 Rev B, FB-0001 Rev B

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3: 1078-1132	20.0	295*260*376	60	FB-0021 Rev B, FB-0001 Rev B
4: 1071-1598	25.0	295*260*441	60	FB-0022 Rev B, FB-0002 Rev B
5: 1127-1598	25.0	295*260*441	60	FB-0022 Rev B, FB-0002 Rev B
6: 1240-1302	25.0	295*260*441	60	FB-0022 Rev B, FB-0002 Rev B
7: 1124-1676	27.5	295*260*470	60	FB-0023 Rev B, FB-0003 Rev B

MAXIMUM DEGREE OF FILLING IN LITER AT 15 °C, SHALL BE:

Initial boiling point in °C	< 60	>= 60 < 100	>= 100 < 200	>= 200 < 300	>= 300
Filling level 25 L	25.1 L	25.7 L	26.2 L	26.8 L	27.3 L
Filling level 20 L	21.3 L	21.8 L	22.3 L	22.8 L	23.2 L

CLOSING MECHANISM:

#: 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

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LEGISLATION:
The approval 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. This certificate is liable to withdrawal at any time, to ensure validation check the published version on the Internet (www.net17025.com/Sertifisering/UN_ADR/cid/30758/).

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 - 2023/4375 PRAX.
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.

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.

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 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.

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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 & 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 & 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
Standard liquid D: Mixture of hydrocarbons	1.4	171	3 & 6/ 1,12 & 9
Standard liquid E: Nitric Acid	1.4	171	2 & 5/ 1-7, 9, 11 & 13
Standard liquid F: Water	1.9	171	All items except vented caps
Nitric acid 55 - 62%	1.4	171	2 & 5/ 5,7 & 9
Standard liquid A: Wetting Solution	1.5	171	3/ 1,3,5 & 9
Standard liquid D: Mixture of hydrocarbons	1.5	171	3/ 1,3,5 & 9
Standard liquid E: Nitric Acid	1.5	171	3/ 1,3,5 & 9
Standard liquid A: Wetting Solution	1.4	171	3/ 4, 11, 13 & 9
Standard liquid C: n-Butyl acetate	1.3	171	3/ 4, 11, 13 & 9

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0356C	22.06.2016	NET	Type approval
NET0356C2	08.08.2016	NET	Additional test, MoH
NET0356D	22.06.2016	NET	Type approval
NET0356D2	08.08.2016	NET	Additional type test, MoH, n-Ba
NET03TE28	02.09.2016	NET	Calculation of production weights
NET03TE29	02.09.2016	NET	Technical evaluation, pallet
NET0356D3	11.10.2016	NET	Additional type test, MoH, Ws

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NET0356D4-K	24.11.2016	NET	Additional type test, cap 3 & 9
NET0356D5	31.01.2017	NET	Additional type test, MoH anti-glug
NET0366C2	21.10.2019	NET	Additional type test, Na 62%
NET03TE42	01.06.2021	NET	Technical evaluation
NET0366C3	19.09.2023	NET	Additional type test, increast density
NET0366C4	21.02.2024	NET	Additional type test, increast density 1.4
NET0366C5K	14.05.2024	NET	Additional type test, increast density 1.5
NET0366C6K	24.06.2024	NET	Additional type test, i d 1.5 cap #3
NET0366C9	31.01.2025	NET	Additional type test, i d 1.4 vent WS
NET0366C10	06.05.2025	NET	Additional type test, i d 1.3 vent n-Ba
NET03TE44	19.05.2025	NET	Vented caps

VALIDITY:
The continued validity of the type approval requires that the holder of the certificate and/ or the manufacturer inform NET certification that has approved its type of packaging of any changes to the characteristics of the type or anything that can influence on the transport safety on the specific design so that it can be verified that the type of packaging continues to comply with packaging tested as base for the original type approval.
The validity of the type approval assume regular verification by means of 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 which satisfies NET Certification, in order to ensure that each packaging meets the requirements in ADR and the guidelines in NS-EN ISO 16106.

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 **10.11.2025** CERTIFICATE IS VALID UNTIL: **31.05.2030**

Mathias Werner
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

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