



PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0356C

HOLDER OF CERTIFICATE:
Greif Sweden AB

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

MARKING ON PACKAGING:  **3H1/Y1.9/200/YR/N/NET0356C - 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 / 15 L	Plastics jerricans, non-removable head	FB-0028 Rev A, FB-0029 Rev A	HDPE
3H1 / 20 L	Plastics jerricans, non-removable head	FB-0025 Rev B, FB-0005 Rev B, FB-0031 Rev 01	HDPE
3H1 / 25 L	Plastics jerricans, non-removable head	FB-0026 Rev B, FB-0006 Rev B	HDPE
3H1 / 27.5 L	Plastics jerricans, non-removable head	FB-0027 Rev B, FB-0007 Rev B	HDPE



DIMENSIONS:

# Jerrican weight, g	Volume, l	Length, mm	Width, mm	Height, mm	Neck size, mm
1: 797 - 1189	15.0	292	247	310	60
2: 930 - 1388	20.0	292	247	386	60
3: 980 - 1388	20.0	292	247	386	60
4: 1071 - 1598	25.0	292	247	466	60
5: 1127 - 1598	25.0	292	247	466	60
6: 1124 - 1676	27.5	292	247	496	60

CLOSING MECHANISM:

#: Screw cap	Producer	Drawings	Material	Gasket	Torque
1: 60 mm	Tri-Sure	TSF-504224-2	HDPE	Washer, expanded PE	25 Nm
2: 60 mm	Tri-Sure	F4P-2015	HDPE	Wad, expanded PE	25 Nm
3: 60 mm	Tri-Sure	F4P-2015	HDPE	Washer, expanded PE	25 Nm
4: Vented 60 mm	Tri-Sure	TSF-504351-2	HDPE	Washer, expanded PE	25 Nm
5: 60 mm	Bergi Plast	00-1836	HDPE	Washer, EPE 300	25 Nm
7: 60 mm	Kunststoff-technik	KTH55-SK61-16	HDPE	Washer, expanded PE	25 Nm
8: 60 mm	United Caps	09S41LB13-01P	HDPE	Wad, induction liner	25 Nm
9: 25 mm	Modulpac AB	25PMO Rev. 3	HDPE	Wad, PET/Alkozell/PET	3 Nm
10: 60 mm	United Caps	BV0600C B	HDPE	Wad, ALU30my/PET12my/PE60my	25 Nm
11: Vented 60 mm	Tri-Sure	TSF-505512-1	HDPE	Washer, expanded PE	25 Nm
12: 60 mm Carbon black free	Tri-sure	TSF-506492	HDPE	Washer, PEfoam	25 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.

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.

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	Jerrican #	Screw cap #
Mixture of hydrocarbons	1.0	200	All items	All items
n-Butylacetate	1.0	200	All items	All items
Acetic acid	1.2	200	All items	All items
Wetting solution	1.2	200	All items	All items
Water	1.9	200	All items	All items
Nitric acid 55%	1.4	200	3 and 5	1 - 7, 9, 11, 12
Nitric acid 55-62 %	1.4	200	3 and 5	5, 7 and 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 test, MoH, n-Ba
NET03TE28	02.09.2016	NET	Calculation of production weights
NET0356D3	11.10.2016	NET	Additional test, MoH, Ws
NET0356D4-K	24.11.2016	NET	Additional test, cap 3 & 9
NET0356D5	31.01.2017	NET	Additional test, MoH anti-glug
NET0366C2	21.10.2019	NET	Additional test, Na 62%
NET03TE42	01.06.2021	NET	Technical evaluation

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

01.06.2021 CERTIFICATE IS VALID UNTIL:

31.10.2024



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification