



**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, FB-0030 Rev A	HDPE
3H1 / 20 L	Plastics jerricans, non-removable head	FB-0025 Rev 01, FB-0005 Rev 03, FB-0031 Rev 01.	HDPE
3H1 / 25 L	Plastics jerricans, non-removable head	FB-0026 Rev 01, FB-0006 Rev 03	HDPE
3H1 / 27.5 L	Plastics jerricans, non-removable head	FB-0027 Rev 01, FB-0007 Rev 03, FB-0016 Rev B.	HDPE

CLOSING MECHANISM:

#: Screw cap	Producer	Drawings	Material	Gasket	Torque
1: 60 mm	Tri-Sure	TSF-504904	HDPE	Expended PE, O-ring	25 Nm
2: 60 mm	Tri-Sure	F4P-2015	HDPE	PE foam, oblat	25 Nm
3: 60 mm	Tri-Sure	F4P-2015	HDPE	Expended PE, O-ring	25 Nm
4: vented 60 mm	Tri-Sure	TSF-504351	HDPE	Expended PE, O-ring	25 Nm
5: 60 mm	Bergi Plast	-	HDPE	EPE 300	25 Nm
6: 60 mm	Westphal Lange	-	HDPE	Alkozell	25 Nm
7: 60 mm	Kunststoff- technik	-	HDPE	PE	25 Nm
8: 60 mm	United Caps	09S41LB13-01P	HDPE	Induction liner	25 Nm

9: 25 mm	Modulpac AB	25PMO Rev. 3	HDPE	PET/Alkozell/PE T	3 Nm
10: 60 mm	United Caps	BV0600C B	HDPE	ALU30my/PET12 my /PE60my	25 Nm


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

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 #	Closure #
Mixture of hydrocarbons	1.0	200	All items	All items
n-Butyl acetate	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	1.4	200	3 and 5	5

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0356C	22.06.16	NET	Type approval
NET0356C2	08.08.16	NET	Additional test, ws
NET0356D	22.06.16	NET	Type approval
NET0356D2	08.08.16	NET	Additional test, ws, n-Ba
NET03TE28	02.09.16	NET	Calculation of production weights
NET0356D3	11.10.16	NET	Additional test, ws, wa
NET0356D4-K	24.11.16	NET	Additional test, cap 10 & 13
NET0356D5	31.01.17	NET	Additional test, ws anti-glug
NET0366C2	13.05.19	NET	Additional test, Na

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.



BREVIK, NORWAY

29.05.2019 CERTIFICATE IS VALID UNTIL:

31.05.2024



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification

