



PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0366D

HOLDER OF CERTIFICATE:
Greif Sweden AB

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

MARKING ON PACKAGING:  **3H1/X1.9/250/YR/N/NET0366D - 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 / 20 L	Plastics jerricans, non-removable head	FB-0021 Rev B, FB-0001 Rev B	HDPE
3H1 / 25 L	Plastics jerricans, non-removable head	FB-0022 Rev B, FB-0002 Rev B	HDPE
3H1 / 27.5 L	Plastics jerricans, non-removable head	FB-0023 Rev B, FB-0003 Rev B	HDPE



DIMENSIONS:

# Packaging weight, g	Volume, l	Height, mm	Width, mm	Length, mm	Neck size, mm
1: 1033 - 1388	20.0	376	260	295	60
2: 1189 - 1598	25.0	441	260	295	60
3: 1247 - 1676	27.5	470	260	295	60

CLOSING MECHANISM:

Screw cap	Producer	Drawings	Material	Gasket	Torque
60 mm	Tri-Sure	TSF-504904	HDPE	Washer, PE foam	25 Nm
60 mm	Tri-Sure	F4P-2015	HDPE	Wad, PE foam	25 Nm
60 mm	Tri-Sure	F4P-2015	HDPE	Washer, PE foam	25 Nm
Vented 60 mm	Tri-Sure	TSF-504351	HDPE	Washer, PE foam	25 Nm
60 mm	Bergi Plast	-	HDPE	EPE 300	25 Nm
60 mm	Westphal Lange	-	HDPE	Alkozell	25 Nm
60 mm	Kunststoff-technik	-	HDPE	PE	25 Nm
60 mm	United caps	09S41LB13-01P	HDPE	Induction liner	25 Nm
25 mm	Modulpac AB	25PMPP/7250001	HDPE	PET/Alkozell/PE T	3 Nm
25 mm	United caps	BV0600C B	HDPE	ALU30my/PET12 my/PE60my	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 I, 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	Packaging #	Closure #
Mixture of hydrocarbons	1.0	250	All items	All items
n-Butyl acetate	1.0	250	All items	All items
Acetic acid	1.2	250	All items	All items
Wetting solution	1.2	250	All items	All items
Water	1.9	250	All items	All items

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
NET03TE29	02.09.16	NET	Technical evaluation, pallet
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

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

17.02.2017 CERTIFICATE IS VALID UNTIL:

28.02.2022

A handwritten signature in blue ink, reading 'Geir M. Johansen'.

Geir Morten Johansen
Certification Officer

A handwritten signature in blue ink, reading 'Rune Madsen Fink'.

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification

A large, faint, light blue background logo in the center of the page, resembling a stylized umbrella or a shield with a cross-like shape in the middle.