



PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0355C

HOLDER OF CERTIFICATE:
Greif Sweden AB

MANUFACTURER:

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

MARKING ON PACKAGING:

 **3H1/Y1.9/200/YR/N/NET0355C - 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 Plastics jerricans	non-removable head, 60 mm	F4P-2773 Rev. B.	PEHD details in report
3H1 Plastics jerricans	non-removable head, 43 mm	F4P-2773-1 Rev. 03	PEHD details in report

CLOSING MECHANISM:

#: Screw cap	Producer	Drawings	Material	Gasket	Torque
1: 60 mm	Tri-sure	TSF-504224-2	HDPE	Washer, PEfoam	25 NM
2: 60 mm	Tri-sure	TSF-505112	HDPE	Washer, PEfoam	25 Nm
3: 60 mm	Tri-sure	F4P-2015	HDPE	Washer, PEfoam	25 Nm
4: 60 mm vented D17	Tri-sure	TSF-504351	HDPE	Washer, PEfoam	25 Nm
5: 61 mm	Tri-sure	TSF-505972	HDPE	Washer, PEfoam	25 Nm
6: 60 mm	Kunststoff- technik Hartmut Mühlhoff GmbH & Co	V-6170 SK 61-6 R	HDPE	Wad, ALU	25 Nm
7: 61 mm	Bergi-Plast GmbH	00-1836	HDPE	Washer, EPE300	20 Nm
8: 61 mm vented	Bergi-Plast GmbH	00-1837	HDPE	Washer, EPE300	20 Nm
9: 43 mm	Mathiesen Plast Aps	843 FS	HDPE	Washer, PEfoam	15 Nm



DIMENSIONS:

Weight og jerrican, g	Volume, l	Length, mm	Width, mm	Height, mm	Neck size, mm
475.5 - 689.8	10.0	230	195	314	60
475.5 - 689.8	10.0	230	195	314	43

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 in the following list:

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	# Screw cap
Acetic acid	1.2	171	1, 2, 3, 5, 6, 7, 9
Mixture of hydrocarbons	1.0	171	1, 2, 3, 5, 6, 7, 9
n-Butyl acetate	1.0	171	1, 2, 3, 5, 6, 7, 9
Nitric acid	1.4	171	All items
Water	1.9	171	1, 2, 3, 5, 6, 7, 9
Wetting solution	1.2	171	1, 2, 3, 5, 6, 7, 9

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0355C	29.05.2019	NET	Type approval
NRT03TE38	06.09.2019	NET	Technical evaluation
NET0355C2	10.10.2019	NET	Additional type test, v.cap

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.



PORSGRUNN, NORWAY

10.02.2020 CERTIFICATE IS VALID UNTIL:

28.02.2025

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 logo in the background, consisting of a central vertical bar and two large, rounded, wing-like shapes on either side, resembling a stylized 'N' or a pair of wings.