



PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0355A

HOLDER OF CERTIFICATE:
Greif Sweden AB

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

MARKING ON PACKAGING:  **3H1/Y1.8/200/YR/N/NET0355A - 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 / Volume	Description	Drawings	Material
1: 3H1 / 10 L	Plastics jerricans, non-removable head	F4P-2773, Rev 04	HDPE
2: 3H1 / 10 L	Plastics jerricans, non-removable head	F4P-2773-1, Rev 03	HDPE

CLOSING MECHANISM:

#: Closure type	Producer	Drawings	Material	Gasket	Torque
1: Screw cap 60 mm	Tri-Sure	TSF-504904	HDPE	Expended PE, O-ring	25 Nm
2: Screw cap 60 mm	Tri-Sure	F4P-2015	HDPE	Oblat	25 Nm
3: Screw cap 60 mm	Tri-Sure	F4P-2015	HDPE	Expended PE, O-ring	25 Nm
4: Screw cap 60 mm	Greif Sweden	F4P-2015	Borealis BS2581	Expended PE, O-ring	25 Nm
5: Screw cap 60 mm	Greif Sweden	F3P-2569	Borealis BS2581	Expended PE, O-ring	25 Nm
6: Screw cap 60 mm	Muhlhof	AK-577.1-3c	HDPE	Aluminium oblat	25 Nm
7: Screw cap 43 mm	Mathiesen Plast Aps	843 FS	Rigidex HD5050EA	Expended PE washer	15 Nm
8: Screw cap 61 mm	Bericap	-	Rigidex HD5050EA	Alkozell	25 Nm
9: Screw cap 61 mm	Bericap	-	Rigidex HD5050EA	Alkozell	25 Nm

10: Screw cap 61 mm	Bericap	-	Rigidex HD5050EA	Alkozell	25 Nm
11: Screw cap 60 mm, vented	Tri-sure	TSF-504351	HDPE	Expended PE, O-ring	25 Nm



DIMENSIONS:

#: Packaging weight, g	Volume, l	Height, mm	Width, mm	Length, mm	Neck size, mm
1: 480 - 630	10.0	314	195	230	60
2: 480 - 630	10.0	314	195	230	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 listed below:

Content	Max. relative density	Max. vapour pressure, kPa at +50°C
Water	1.8	171
Nitric acid	1.4	171
Wetting solution	1.2	171

Acetic Acid	1.2	171
Mixture of hydrocarbons	1.0	171
n-Butylacetate	1.0	171

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0355A	01.11.2013	NET	Type approval

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

31.12.2019

CERTIFICATE IS VALID UNTIL:

31.12.2024


Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification