



# **PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0356A**

HOLDER OF CERTIFICATE:  
**Greif Sweden AB**

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

**MARKING ON PACKAGING:**  **3H1/X1.8/250/YR/N/NET0356A - 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
3H1 / 15 l	Plastics jerricans, non-removable head	FB-0028 RevA, FB-0029 RevA	HDPE, details in report
3H1 / 20 l	Plastics jerricans, non-removable head	FB-0025 Rev01, FB-0005, FB0031 Rev03	HDPE, details in report
3H1 / 25 l	Plastics jerricans, non-removable head	FB-0026 Rev01, FB-0006 Rev03	HDPE, details in report
3H1 / 27.5 l	Plastics jerricans, non-removable head	FB-0027 Rev01, FB-0007 Rev03	HDPE, details in report



**DIMENSIONS:**

#: Packaging weight, g	Volume, l	Height, mm	Width, mm	Length, mm	Neck size, mm
1: 1034 - 1365	20.0	386	247	292	60
2: 1160 - 1365	20.0	386	247	292	60
3: 1200 - 1365	20.0	386	247	292	60
4: 1137 - 1575	25.0	466	247	292	60
5: 1300 - 1575	25.0	466	247	292	60
6: 1320 - 1386	25.0	466	247	292	60
7: 1500 - 1575	25.0	466	247	292	60
8: 1226 - 1300	27.5	496	247	292	60
9: 1080 - 1134	20.0	386	247	292	60
10: 1180 - 1239	25.0	466	247	292	60
11: 893 - 1178	15.0	310	247	292	60
12: 1002 - 1178	15.0	310	247	292	60
13: 1036 - 1178	15.0	310	247	292	60
14: 932 - 978	15.0	310	247	292	60

**CLOSING MECHANISM:**

#: Screw cap	Producer	Drawings	Material	Gasket	Torque
1: 60 mm	Tri-Sure	TSF-504224-2	HDPE, details in report	Washer, PE foam	25 Nm
2: 60 mm	Tri-Sure	F4P-2015	HDPE, details in report	Washer, PE foam	25 Nm
3: 60 mm	Tri-Sure	TSF - 505112	HDPE, details in report	Washer, PE foam	25 Nm
4: D17, vented, 60 mm	Tri-Sure	TSF-504351	HDPE, details in report	Washer, PE foam	25 Nm
5: 60 mm	Tri-Sure	TSF - 505512	HDPE, details in report	Washer, PE foam	25 Nm
6: 60 mm	Tri-Sure	TSF - 505972	HDPE, details in report	Washer, PE foam	25 Nm
7: 60 mm	Bergi Plast	00-1836	HDPE, details in report	EPE 300	25 Nm
8: 60 mm	Kunststoff-technik	V-6170 SK 61-6 R	HDPE, details in report	PE	25 Nm
9: 60 mm	Procap	09 s 41 LB 13-01P /10013577	HDPE, details in report	Induction liner	25 Nm
10: 25 mm	Modulpac AB	25PMPP/7250001	HDPE, details in report	PET/Alkozell / PET	3 Nm
11: 60 mm	Procap	BV0600C B	HDPE, details in report	ALU 30my/PET12my /PE60my	25 Nm

12: 60mm Carbon black free	Tri-sure	TSF-506492	HDPE	Washer, PE foam	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. Max. vapour pressure at +50°C is 200 kPa. 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	Packaging #	Closure #
Acetic acid	1.2	All items	All items, not 9 and 10
n-Butyl acetate	1.0	All items	All items, not 9 and 10
Nitric acid 55%	1.4	All items	All items, not 9, 10 and 11
Wetting solution	1.2	All items	All items, not 9 and 10
Water	1.8	All items	All items
Mixture of hydrocarbons	1.0	All items	All items, not 9 and 10
Nitric Acid 62%	1.4	9, 10, 14	7, 8
Organic peroxide	1.2	2, 5, 12	7, 8
Methyl Ethyl Ketone Peroxide	1.2	6	8
Propionic Acid	1.0	7	8
Promyr XR680	1.4	7	8
Nitric Acid 65%	1.4	3, 7, 13	7, 8

### DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0356A	01.11.2013	NET	Type approval
NET03TE18	13.02.2014	NET	Technical Evaluation
NET0356A-1	06.03.2014	NET	Type approval
NET0356B-1	06.03.2014	NET	Type approval
NET03TE21	12.05.2015	NET	Technical Evaluation
NET2812A	17.12.2020	NET	Additional test, 25PMPP
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:**30.06.2026**

Geir Morten Johansen  
Certification Officer



Rune Madsen Fink  
Control Officer

*Nordisk Emballasje Testing AS Certification*