

**TYPE 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:

Each packaging intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high. of an appropriate size.

The packaging shall also be appropriately marked with the month of the manufacture. The period of use permitted for the carriage of dangerous substances shall be five years from the date of manufacture of the jerricans, except where a shorter period of use is prescribed because of the nature of the substance to be carried.

 **3H1/X1.8/250/YR/N/NET0356A**

-  : The United Nations symbol
- 3H1 : Plastics jerricans, non-removable head
- X1.8 : Packaging group I, II, III and relative density of the substance
- 250 : Hydraulic test pressure in kPa
- YR : To be replaced with the last two digits of the year of manufacture
- N : Norway, the state authorizing the allocation of the mark
- NET0356A : Identification of the jerrican

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





LEGISLATION:

NET issues this certification pursuant to delegated authority from the Norwegian Directorate for Civil Protection (DSB), in accordance with the Regulation of 1 April 2009 No. 384 on the land transport of dangerous goods, Chapter 6a (ref. 2023/4375 PRAX). NET is designated as the competent body for allocation of the UN mark on packagings, including IBCs and large packagings, as published by the United Nations (UNECE) list of competent authorities.

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.

REGULATORY BASIS 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.

TESTS CARRIED OUT:

Prototype tests performed and approved according to the above regulations:

6.1.5.2.6 Chemical compatibility

6.1.5.3 Drop test

6.1.5.4 Leakproofness test

6.1.5.5 Internal pressure test

6.1.5.6 Stacking test

6.1.5.7 Supplementary permeability test

APPROVAL IS VALID FOR:

The packaging is valid for packaging group I, II and III containing liquid substances covered by the liquids listed in the table below. The liquids marked with letter A - F are referring to standard liquids listed in ADR 6.1.6.1 and verified by chemical compatibility testing, ADR 6.1.5.2.6, to this specific liquid.

The dangerous substances allowed to transport in the packaging after chemical compatibility with these liquids, are listed in the "Assimilation list" table 4.1.1.21.6 in ADR. Transport of the substance is only allowed if the approval of the standard liquid(S), covered by "Rule for collective entries", has the same or higher relative density as the substance to be transported.

The packaging shall always be used according to the requirements of the applicable UN-code and its packaging instructions.

Prior to reuse, all UN-approved packagings intended for the transport of dangerous goods shall be inspected to confirm that they remain free from damage, corrosion, and contamination. Compliance with the original ADR type approval, including all applicable prototype test performance criteria, must be ensured.

Packagings showing any sign of reduced mechanical integrity shall be subject to reconditioning, repair, or permanent withdrawal from service. All functional components - including closures, gaskets, and valves - must remain intact and fully operational to ensure continued conformity.

Packagings that no longer fulfill these requirements shall not be reused for the transport of dangerous goods, in accordance with ADR 4.1.1.9.

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

VALIDITY:

This approval is valid for five (5) years, provided no modifications are made to the packaging design, materials, dimensions, closure system, or method of construction.

The certificate may be withdrawn at any time.

The published version on www.net17025.com/Sertifisering/UN_ADR/cid/30758/ shall always be considered the valid one.

The certificate holder/manufacturer must notify NET Certification of any changes that may influence transport safety.

Continued validity requires periodic audits by NET in accordance with NET Doc 2: "Production control agreement".

The packaging shall be manufactured, reconditioned and tested under a quality assurance program meeting ADR requirements and guidelines in NS-EN ISO 16106:2020.

TEST STANDARD:

All tests are performed in accordance with NET accredited test method ATM001.

The test method is accredited in accordance with NS-EN ISO/IEC 17025:2017 approved by Norsk Akkreditering and according to NS-EN ISO 16495:2022 and NS-EN ISO 13274:2013.



BREVIK, NORWAY

08.06.2026 CERTIFICATE IS VALID UNTIL:**30.06.2031**

Anita Gusfre Thoner
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification