TYPE 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:
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 6 mm high. 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/Y1.9/200/YR/N/NET0355C**

Ⓤ	: The United Nations symbol
3H1	: Plastic jerricans, non-removable head
Y1.9	: Packaging group II and III, and relative density of the substance
200	: 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
NET0355C	: Identification of the jerrican

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



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Web: www.net17025.com

VAT No.: 990 793 840
Bank account: 6250.05.22351
GPS: 59°03'25'' N 9°40'70'' E

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

CLOSING MECHANISM:

#: Screw cap	Producer	Drawings	Material	Gasket	Torque
1: 60 mm	Tri-sure	TSF-504224-2	HDPE	Washer, PE foam	25 NM
2: 60 mm	Tri-sure	TSF-505112	HDPE	Washer, PE foam	25 Nm
3: 60 mm	Tri-sure	F4P-2015	HDPE	Washer, PE foam	25 Nm
4: 60 mm vented D17	Tri-sure	TSF-504351	HDPE	Washer, PE foam	25 Nm
5: 61 mm	Tri-sure	TSF-505972	HDPE	Washer, PE foam	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, PE foam	15 Nm
10: 60mm Carbon black free	Tri-sure	TSF-506492	HDPE	Washer, PE foam	25 Nm







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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.

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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 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	Max. vapour pressure, kPa at +50°C	# Screw cap
Standard liquid B: Acetic Acid	1.2	171	1, 2, 3, 5, 6, 7, 9, 10
Standard liquid D: Mixture of hydrocarbons	1.0	171	1, 2, 3, 5, 6, 7, 9, 10
Standard liquid C: n-Butyl acetate	1.0	171	1, 2, 3, 5, 6, 7, 9, 10
Standard liquid E: Nitric Acid	1.4	171	All items
Standard liquid F: Water	1.9	171	1, 2, 3, 5, 6, 7, 9, 10
Standard liquid A: Wetting Solution	1.2	171	1, 2, 3, 5, 6, 7, 9, 10

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
NET03TE42	01.06.2021	NET	Technical evaluation

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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.

NORSK AKKREDITERING TEST 259

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

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