




**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0345A**

HOLDER OF CERTIFICATE:

Greif Sweden AB

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

MARKING ON PACKAGING:  **1A2/Y1.5 Z2.2/100/YR/N/NET0345A - 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.

PRODUCT:

Packaging code	Description	Drawings	Material
1A2, Steel drums	removable head	F3P-2791 Rev. B	Steel Sheet

CLOSING MECHANISM:

Closure type	Producer	Drawings	Material	Gasket	Torque
Lid	Greif Sweden AB	F3P-2780 Rev. B	Steel Sheet	EPDM 12 mm	-
Locking ring	Berger	F3P-2787, 170511	Tata Steel DX51D+Z	-	-
Bung 2"	Tri-Sure	TSN-925089, 040308	Steel	EPDM, PE or Nitrile	20 Nm
Bung 3/4"	Tri-Sure	TSN-925096, 130307	Steel	EPDM, PE or Nitrile	15 Nm



DIMENSIONS:

Volume, l	Height, mm	Diameter, mm	Head / Body / Bottom, mm	Neck size, mm
215.0	876	585	1.0 / 1.0 / 1.0	570

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.

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Packaging group
Liquid	1.5	114	II
Liquid	2.2	114	III

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0345A	24.05.2011	NET	Type approval
NET03T15	27.02.2012	NET	Type testing / Technical evaluation
NET0345B1	04.11.2014	NET	Type testing
NET0345B3	12.03.2015	NET	Additional type testing
NET0345A2	18.10.2018	NET	Additional type testing, increase sg

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.



PORSGRUNN, NORWAY

13.11.2018 CERTIFICATE IS VALID UNTIL:

30.11.2023

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 blue watermark logo in the center of the page, consisting of a stylized shield or emblem with a vertical bar through the middle.