

**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0345B**

HOLDER OF CERTIFICATE:

Greif Sweden AB

MANUFACTURER:

Greif Sweden AB, Kvekatorpsvägen 25, Box 203, SE-311 23
Falkenberg, Sweden

MARKING ON PACKAGING:

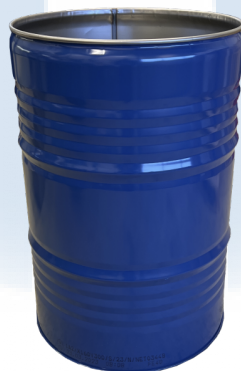
Each packaging intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high.

Ⓢ **1A2/Y1.5 Z1.9/100/YR/N/NET0345B - ID**

- Ⓢ : The United Nations symbol
- 1A2 : Steel drums, removable head
- Y1.5 Z1.9 : Packaging group II and III, and max relative density
- 100 : Hydraulic test pressure in kPa
- YR : To be replaced with the year (last two digits) of manufacture
- N : Norway, the state authorizing the allocation of the mark
- NET0345B - ID : Identification of the packaging followed by "ID" to be replaced by the name of the manufacturer

PRODUCT:

Description	Drawing
Triple seamed neck in W hoop steel drum with or without minor corrugations	F3P-2803 Rev.B Ed.03



DIMENSIONS:

Volume, l	H*Ø, mm	Head/ Body/ Bottom, mm
210	873*585	1.0/ 0.9/ 1.0
210	873*585	1.2/ 0.9/ 1.0

MAXIMUM DEGREE OF FILLING IN LITER AT 15 °C, SHALL BE:

Initial boiling point in °C	< 60	>= 60 < 100	>= 100 < 200	>= 200 < 300	>= 300
Degree of filling in liter	191.5	195.7	200.0	204.2	208.5

CLOSING MECHANISM:

Closure type	Drawings	Material	Gasket	Torque
Clamping ring with lever arm	A4F-2674 270103	DX51D+Z100	-	-
Clamping ring with lever arm	1018-22 070415	DX51D+ Z	-	-
Clamping ring with lever arm	CLRI00193GGG000	DX51D+ Z	-	-
Plain lid	D3F-2595 Rev. B	DC01	EPDM 12 mm	-
Lid with 2" bung	D3F-2595 Rev. B	DC01	EPDM 12 mm	-
Lid with 2" and 3/4" bung	D3F-2595 Rev. B	DC01	EPDM 12 mm	-
3/4" bung	TSN-925096	Zinc-plated Mild steel	EPDM / PE / Nitrile	15
2" umbrella vent-out	TSN-939324	Zinc-plated Mild steel	EPDM / PE / Nitrile	20
2" umbrella vent-in	TSN-939323	Zinc-plated Mild steel	EPDM / PE / Nitrile	20
2"	TSN 925089	Zinc-plated Mild steel	EPDM / PE / Nitrile	20





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.

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.

TESTS CARRIED OUT:

Prototype tests performed and approved according to the above regulations:

6.1.5.3 Drop test

6.1.5.4 Leakproofness test

6.1.5.5 Internal hydraulic pressure test

6.1.5.6 Stacking test

APPROVAL IS VALID FOR:

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

Content	Max. vapour pressure, kPa at +50°C
Liquid substances that do not adversely affect the packaging materials	114

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0345B	31.03.2014	NET	Type approval
NET0345B1	04.11.2014	NET	Type approval
NET0345B3	12.03.2015	NET	Selective testing
NET0345B4	27.03.2023	NET	Additional type test, ring
NET03TE48	10.04.2026	NET	Selective test/ T.E. gasket

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 programme 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.



BREVIK, NORWAY

13.04.2026

CERTIFICATE IS VALID UNTIL:

31.05.2028

Mathias Werner
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification