

**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0338A**

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.

Ⓢ **1A1/Y1.8/200/YR/N/NET0338A - ID**

- Ⓢ : The United Nations symbol
- 1A1 : Steel drum, non-removable head
- Y1.8 : Packaging group II and III, and max relative density
- 200 : 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
- NET0338A - ID : Identification of the drum followed by "ID" to be replaced by the name of the manufacturer

PRODUCT:

Description	Method of manufacture	Material	Drawing
Triple seamed corrugated rolling hoop drum	Seamed	Steel shit, details in report	F3F-2616 Rev.B



DIMENSIONS:

Volume, l	H*Ø, mm	Head / Body / Bottom, mm	Neck size, mm
216.5	885 / 586	1.0/0.9/1.0	2" and 3/4"

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	195.7	200.1	204.4	208.8	213.1

CLOSING MECHANISM:

#: Closure type	Producer	Drawings	Material	Gasket	Torque
1: 2"	Tri-Sure	TSN-925089	Steel	PE / EPDM / Nitril	20 Nm
2: 3/4"	Tri-Sure	TSN-925096	Steel	PE / EPDM / Nitril	15 Nm


LEGISLATION:

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 - 2023/4375 PRAX.

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	171

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
99H60800	09.02.1999	SP	Type approval
NET03TE05	25.05.2010	NET	Technical Evaluation
NET03T15	27.02.2012	NET	Type approval / Technical evaluation

VALIDITY:

The continued validity of the type approval requires that the holder of the certificate and/ or the manufacturer inform NET certification that has approved its type of packaging of any changes to the characteristics of the type or anything that can influence on the transport safety on the specific design so that it can be verified that the type of packaging continues to comply with packaging tested as base for the original type approval.

The validity of the type approval assume regular verification by means of 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 which satisfies NET Certification, in order to ensure that each packaging meets the requirements in ADR and the guidelines in ISO 16106.

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.



BREVIK, NORWAY

03.01.2024

CERTIFICATE IS VALID UNTIL:

31.01.2029

Mathias Werner
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification