

PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0335E


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/X1.6 Y1.8/250/YR/N/NET0335E-ID**

	: The United Nations symbol
1A1	: Steel drum, non-removable head
X1.6 Y1.8	: Packaging group I, II and III, and max relativ density for each packaging group
250	: 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
NET0335E - ID	: Identification of the drum followed by "ID" to be replaced by the name of the manufacturer

PRODUCT:

Description	Drawing	Material
Steel drums, non-removable head with two W hoops, with or without minor corrugations	F3F-2616 Rev.B	Steel, with or without linings



DIMENSIONS:

Volume, l	Height, mm	Diameter, mm	Head / Body / Bottom, mm	Neck size, "
216.5	885	586	1.0 / 0.8 / 1.0	2, 3/4

**FOR A FILLING TEMPERATURE OF 15 °C,
THE MAXIMUM DEGREE OF FILLING FOR THIS PACKAGING SHALL BE**

Boiling point of the substance	< 60 °C	> 60 < 100 °C	> 100 < 200 °C	> 200 < 300 °C	> 300 °C
Degree of filling	195.7 liter	200.1 liter	204.4 liter	208.8 liter	213.1 liter

CLOSING MECHANISM:

Bung	Producer	Drawing	Material	Gasket	Torque, Nm
2"	Tri-Sure	TSN-925089	Steel, with or without lining	PE/ Nitril/ EPDM	20
3/4"	Tri-Sure	TSN-925096	Steel, with or without lining	PE/ Nitril/ EPDM	15
2" Bung	Tri-Sure	TSF-504622	Nylon	PE	20
3/4" Bung	Tri-Sure	TSF-504950	Nylon	PE	15
2" vent. in	Tri-Sure	TSN-939323	Steel, with or without lining	PE/ Nitril/ EPDM	20
2" vent. out	Tri-Sure	TSN-939324	Steel, with or without lining	PE/ Nitril/ EPDM	20



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 - 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.

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	Max. relative density	Packaging group
Liquid substances that do not adversely affect the packaging materials	200	1.6	I
Liquid substances that do not adversely affect the packaging materials	200	1.8	II and III

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0335E	19.11.2021	NET	Type approval

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

19.11.2021 CERTIFICATE IS VALID UNTIL:

30.11.2026

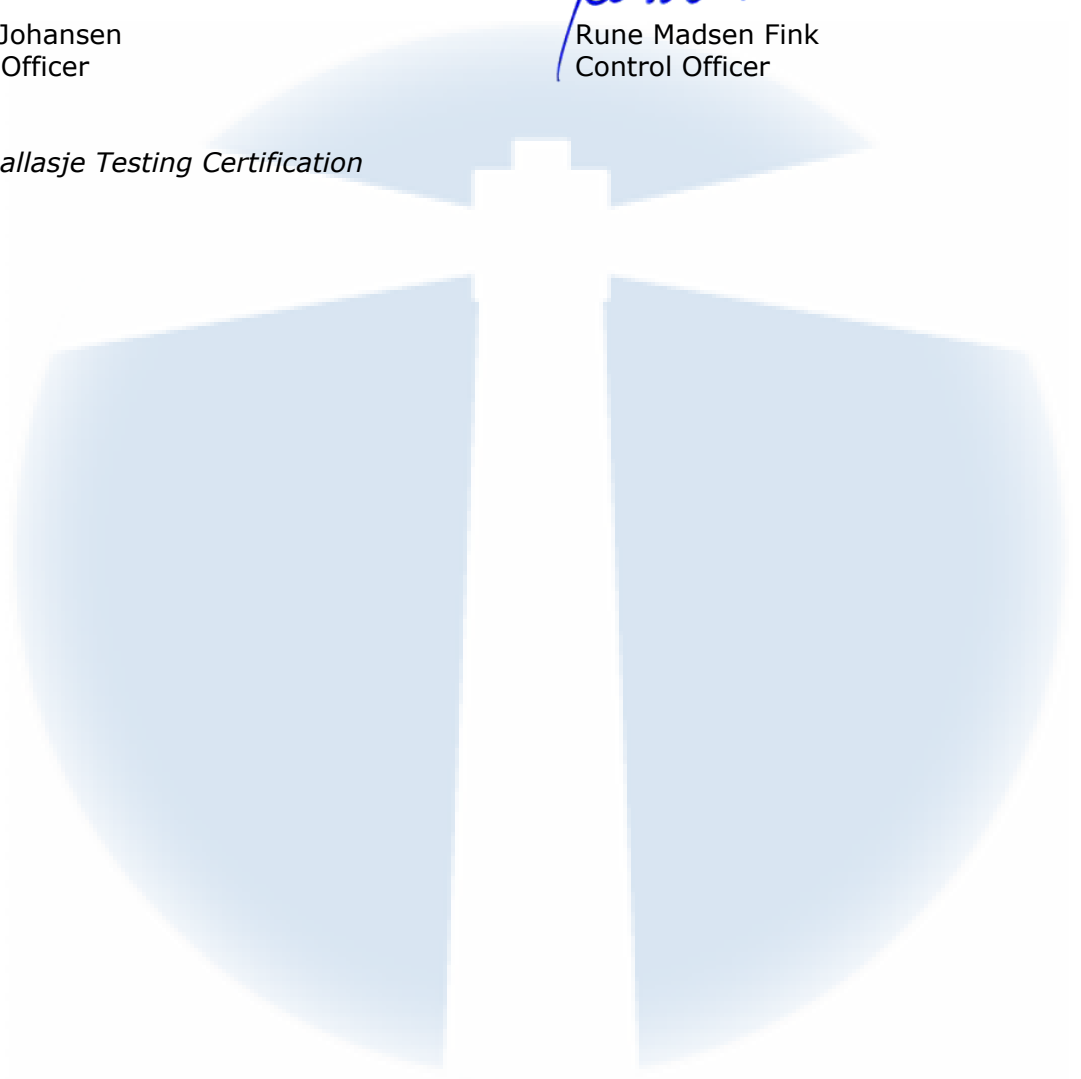
A handwritten signature in blue ink, reading 'Geir M. Johansen'.

Geir Morten Johansen
Certification Officer

A handwritten signature in blue ink, reading 'Rune Madsen Fink'.

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

A large, faint, light blue background logo in the center of the page. It consists of a central vertical bar with a cross-like shape at the top, and two large, rounded rectangular shapes on either side, resembling a stylized 'N' or a shield.