

**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0359A**

HOLDER OF CERTIFICATE:

Greif Sweden AB

2260 kg max



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. The IBC shall also be appropriately marked in accordance with ADR 6.5.2.2 Additional marking.



**31HA1/Y/MMYY
N/NET0359A - ID
4069/2017**

- (u) : The United Nations symbol
- 31HA1 : Composite IBCs with a rigid plastics inner receptacle, for liquids
- Y : Packaging group II and III
- MMYY : To be replaced with the month and year, last two digits, of manufacturer
- N : Norway, the state authorizing the allocation of the mark
- NET0359A - ID : Identification of the IBC followed by "ID" to be replaced by the name or symbol of the manufacturer
- 4069 : The stacking load in kg
- 2017 : The maximum permissible gross mass in kg

PRODUCT:

Description	Method of manufacture
Rigid plastics inner receptacle and outer casing of steel	Blow moulded plastic receptacle



DIMENSIONS:

Capacity, l	Tara weight, kg	L*W*H, mm	Min. thickness, mm	Drawing
1056, wood pallet	57.2	1200*1000*1170	1.4	IBC Trä pall
1056, plastic pallet	53.2	1200*1000*1170	1.4	2066ppj0rev0
1056, hybrid pallet	53.1	1200*1000*1160	1.4	2058ass0rev0

CLOSING MECHANISM:

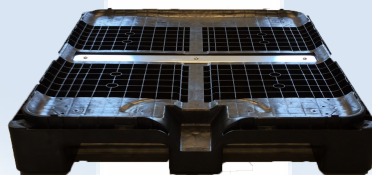
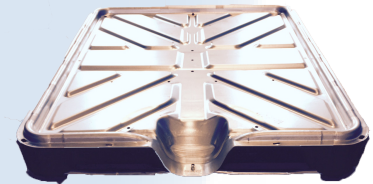
#: Closure type	Description	Drawing	Material	Torque
Screw cap #1	150 mm	2064co1rev0	HDPE	35
Screw cap #2	150 mm, vented	2001co0rev3	HDPE	35
Screw cap #3	150 mm, vented	TSF-21000100	HDPE	35
Screw cap #4	150 mm, vented	2064co0rev2	HDPE	35
Screw cap #5	220 mm	2000co0rev4	HDPE	35
Screw cap #6	220 mm	2068co1rev0	HDPE	35
Screw cap #7	220 mm, vented	2068co0rev0	HDPE	35
Screw cap #8	150 mm	2071ass0rev0	HDPE	35
Valve #1	2" integrated nut, butterfly	2017ass0rev5	HDPE/PP/fibreglass	-
Valve #2	2" weldable, butterfly	2019cp1rev0	HDPE/PP/fibreglass	-
Valve #3	2" plunger	2008ass0rev1	HDPE	-
Valve #4	3" Integrated nut	2015ass0rev4	HDPE/PP/fibreglass	-
Valve #5, with liner	2" weldable, butterfly	2019ass0rev5	HDPE	-
Valve #6	2" integrated nut, ball	2055ass0rev0	HDPE/PP/fibreglass	-





INNER PACKAGING/ACCESSORIES:

Type	Description	Drawing	Material
Inner receptacle Ø150	Blow moulded	2003bo0rev11	HDPE
Inner receptacle Ø220	Blow moulded	2003bo0rev11	HDPE
Outer casing	Galvanized pipe section. Lattice-type basket screwed onto a pallet	2014ga0rev2	Steel
Corner protection	Black sheets of plastic	FS-0003 revA	HDPE
Wood pallet	Board, plank	IBC Trä pall	Wood
Plastic pallet	Blow moulded/Welded	2066ppj0rev0	HDPE
Hybrid pallet	Standard Nuovo	2058ass0rev0	Plastic/Steel



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:

- 6.5.6.4 Bottom lift test
- 6.5.6.6 Stacking test
- 6.5.6.7 Leakproofness test
- 6.5.6.8 Internal pressure test
- 6.5.6.9 Drop test
- 6.5.6.13 Vibration test

APPROVAL IS VALID FOR:

Transport of liquids in this IBC is allowed as long as a conventional pressure relief device is mounted. The start-to-discharge pressure shall not be higher than 65 kPa and not lower than the total gauge pressure experienced in the IBC. The IBC shall always be used according to the requirement of the applicable UN-code and its packaging instruction.

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.

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

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Screw cap
Standard liquid A: Wetting Solution	1.2	114	1-7
Standard liquid B: Acetic Acid	1.1	114	1-7
Standard liquid C: n-Butyl acetate	1.0	114	1-7
Standard liquid D: Mixture of hydrocarbons	1.0	114	1-7
Standard liquid E: Nitric Acid	1.4	114	1-7
Standard liquid F: Water	1.9	114	1-8
Kimulux Matris, UN3375	1.4	114	1-7
FeF Benzalkonium chloride solution 50%, UN3265	1.0	114	1-7

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0359A	03.06.2016	NET	Type approval, water & Na
NET0359A2	29.04.2016	NET	Type testing, Wa, Aa & n-Ba
NET0359A3	15.08.2016	NET	Type testing, Ws
NET0359B	03.06.2016	NET	Type Approval
160058, Rev.0.	24.06.2016	TÜV	Vibration testing, plastic pallet
Report 100068.3	31.03.2010	TÜV	Vibration testing, wooden pallet
Report 100068.4	31.03.2010	TÜV	Vibration testing, hybrid pallet
GV/gv/T-15.039	23.10.2015	IBE-BVI	Additional cap, #4
NET0359A5	11.01.2017	NET	Additional test, increase of density
NET03TE33	19.05.2017	NET	Technical evaluation, cap #1
NET03T28	23.03.2018	NET	Additional type test, cap #6, #7
NET4803A	17.04.2018	NET	Additional type test, Kimulux Matris
NET1201T01	04.03.2019	NET	Additional test, UN3265
NET0359A6	10.12.2020	NET	Additional cap, #8

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 and ISO13274.



BREVIK, NORWAY

04.05.2021 CERTIFICATE IS VALID UNTIL:

31.05.2026



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

