



**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0332A**

HOLDER OF CERTIFICATE:

Greif Sweden AB

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

MARKING ON PACKAGING:  **31HA1/Y/MMY/N/NET0332A - ID/4069/2026**

"MMYY" to be replaced with the month and year (last two digits) of manufacture.

"ID" to be replaced by the name or symbol of the manufacturer.

Each IBC shall also be marked according to 6.5.2.2.1 ADR/RID/IMDG, and each inner receptacle shall be marked according to 6.5.2.2.3 ADR/RID/IMDG.

PRODUCT:

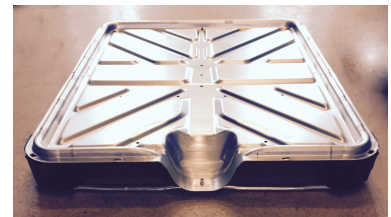
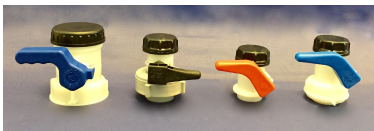
Packaging code	Description	Drawings	Material
31HA1, Composite IBC	with a rigid plastics inner receptacle and outer casing of steel	1999ass0rev17	Plastic / Steel

CLOSING MECHANISM:

Closure type	Description	Drawing	Material	Torque
Screw cap	150 mm	2000co0rev1	HDPE	35 Nm
Screw cap	150 mm	2002co0rev1	HDPE	35 Nm
Screw cap	150 mm	TSF-21000100	HDPE	35 Nm
Screw cap	220 mm	2002co0rev3	HDPE	35 Nm
Valve	2" integrated nut, Butterfly	2017ass0rev1	HDPE/PP/fibreglass	-
Valve	2" weldable, Butterfly	2019ass0rev1	HDPE/PP/fibreglass	-
Valve	2" plunger	2008ass0rev1	HDPE	-
Valve	3" Integrated nut	2015ass0rev1	HDPE/PP/fibreglass	-
Valve	3" Integrated nut	2015ass0rev4	HDPE/PP/fibreglass	-

INNER PACKAGING/ACCESSORIES:

Type	Description	Drawing	Material
Inner receptacle Ø150	Blow moulded	2003bo0rev4	HDPE
Inner receptacle Ø220	Blow moulded	2003bo0rev5	HDPE
Outer casing	Galvanized pipe section. Lattice-type basket screwed onto a pallet	2004ga0rev1 2005ti0rev2 2004ga1rev1 2007pam6rev1	Steel
Wood pallet	Board, plank	1998pal0rev3	Wood
Plastic pallet	Blow moulded/Welded	2050ass0rev0	HDPE
Hybrid pallet	Assembling hybrid pallet	2015net5rev0	Plastic/Steel



DIMENSIONS:

Packaging	Weight, kg	Volume, l	Height, mm	Width, mm	Length, mm
IBC / wood pallet	63.6	1056	1165	1000	1200
IBC / plastic pallet	56.0	1056	1171	1000	1200
IBC / hybrid pallet	53.7	1056	1153	1000	1200

APPROVAL:

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.

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.

APPROVAL IS VALID FOR:

The packaging shall always be used according to the requirements of the applicable UN-code and its packaging instructions. Compatibility testing has been carried out according to ADR/RID with the content listed below:

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Packaging group
Water	1.9	114	II and III
Wetting Solution	1.6	114	II and III
Acetic Acid	1.6	114	II and III
n-Butyl acetate	1.5	114	II and III
White Spirit	1.5	114	II and III
Nitric Acid	1.5	114	II and III

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
Report 020233	26.03.2003	TÜV	Type testing
020233 1th Supplement	08.09.2003	TÜV	Supplementary test
020233 2th Supplement	19.01.2004	TÜV	Supplementary test
020233 3th Supplement	13.05.2004	TÜV	Supplementary test
020233 4th Supplement	14.01.2005	TÜV	Supplementary test
020233 5th Supplement	28.03.2005	TÜV	Supplementary test
020233 6th Supplement	08.03.2006	TÜV	Supplementary test
020233 7th Supplement	28.06.2006	TÜV	Supplementary test
020233 8th Supplement	16.11.2006	TÜV	Supplementary test
Renaming of HDPE material	25.10.2007	INEOS	Grade name change
Summary of materials	14.10.2010	NET	Record
Prüfbericht Nr.090468	10.12.2009	TÜV	Vibration testing
Prüfbericht Nr.100068/1	31.03.2010	TÜV	Vibration testing
Report NET03TE06	09.09.2010	NET	Technical Evaluation
NET0332B-2	21.03.2011	NET	Type testing
NET0332B-3	08.08.2012	NET	Type testing
NET0332B4	13.03.2015	NET	Type testing
NET0332B5	08.05.2015	NET	Additional type test

LERUM, SWEDEN

08.05.2015 CERTIFICATE IS VALID UNTIL:

31.05.2020



Susanne E. Dahlberg
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification