



PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NETO359B

HOLDER OF CERTIFICATE: **Greif Sweden AB**

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

MARKING ON PACKAGING: 31HA1/Y/MMYY/N/NET0359B - ID/4069/2017

"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 6.5.2.2.4 ADR/RID/IMDG.

PRODUCT:

Packaging code	Description	Material
31HA1, Composite IBC	With a rigid plastics inner	Plastic / Steel / Wood, details in
	receptacle and outer casing of	report
	steel	

CLOSING MECHANISM:

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

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INNER PACKAGING/ACCESSORIES:

Туре	Description	Drawing	Material
Inner receptacle Ø150	Blow moulded	2003bo0rev11	HDPE
Inner receptacle Ø220	Blow moulded	2003bo0rev11	HDPE
Outer casing	Galvanized pipe section.	2014ga0rev2	Steel
	Lattice-type basket		
	screwed onto a pallet		
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

















DIMENSIONS:

Packaging	Tara weight, kg	Volume, I	Height, mm	Width, mm	Length, mm
IBC, wood pallet	58.0	1056	1170	1000	1200
IBC, plastic	54.0	1056	1170	1000	1200
pallet					
IBC, hybrid	53.9	1056	1160	1000	1200
pallet					

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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. The 2" weldable butterfly valve (listed as #5) is only approved with a welded aluminum liner between neck and cap. The following test are performed and approved: Bottom lift-, drop-, leakness-, internal pressure-, stacking- and vibration test. 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
NET0359B2	02.05.2016	NET	Type testing, Ws, Wa, Aa
			& n-Ba
NET0359B	03.06.2016	NET	Type Approval, water &
			Na
NET0359A	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
NET03TE32	21.03.2017	NET	Technical evaluation,
			bubble weight
NET03TE33	19.05.2017	NET	Technical evaluation, cap
			#1

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PORSGRUNN, NORWAY

Car M. Joha

22.05.2017 CERTIFICATE IS VALID UNTIL:

31.05.2022

Geir Morten Johansen Certification Officer Rune Madsen Fink Control Officer

Nordisk Emballasje Testing AS Certification

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