



**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET0310D**

HOLDER OF CERTIFICATE:

Greif Sweden AB

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

MARKING ON PACKAGING:  **6HA1W/X1.6/250/YR/N/NET0310D - ID**

"YR" to be replaced with the two last digits of the year.

"ID" to be replaced by any identification as decided by the manufacturer.

"W" 3 mm punched hole in top of mantle to prevent accumulation of air between outer and inner packaging.

PRODUCT:

Packaging code	Description	Drawings	Material
6HA1W	Plastics receptacle with outer steel drum, deviating design	-	-
Outer packaging	Steel drum	F4P-2749, rev 05	Steel sheet
Inner packaging	Plastics receptacle	D3P-2061	HDPE details in report

CLOSING MECHANISM:

Closure type	Producer	Drawings	Material	Gasket	Torque
1: 2" plastic plug	Tri-Sure	D4P-2695	PP details in report	EPDM	30 Nm
2: 2" plastic plug	Tri-Sure	D4P-2703	PP details in report	EPDM or PE	30 Nm
3: 2" plastic plug	Tri-Sure	TSF-2100048	PP details in report	EPDM or PE	30 Nm
"Umbrella valve" placed in top of mantle	-	VA3206	Rubber	-	-


DIMENSIONS:

Packaging weight, kg	Volume, l	Height, mm	Diameter, mm	Head / Body / Bottom, mm
18.2	207.0	880	585	1.0 / 0.8 / 1.0

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.

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 delegated authority from Norwegian Civil Aviation Authority (Luftfartstilsynet) - 200701524-6/492/JLU.

REGULATIONS BASED UPON FOR APPROVAL:

ADR, European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID, International Regulations on Transport of Dangerous Goods by Rail.

UN Recommendations on the Transport of Dangerous Goods.

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.

APPROVAL IS VALID FOR:

The packaging is valid for packaging group I, II and III containing liquid substances that do not adversely affect the packaging materials. The packaging shall always be used according to the requirement 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	Closure #
Water	1.6	200	1-3

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET03TE17	22.04.2013	NET	Technical evaluation
NET03T17	15.05.2012	NET	Additional type approval
NET03T12	24.03.2011	NET	Additional type approval
NET0310D	03.12.2009	NET	Type approval
NET03TE03-1	26.08.2009	NET	Technical evaluation
P601002	23.03.2006	SP	Technical evaluation

LERUM, SWEDEN

23.04.2013

CERTIFICATE IS VALID UNTIL:

30.04.2018



Susanne E. Dalhberg
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification