



# **PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET0358A**

HOLDER OF CERTIFICATE:  
**Greif Sweden AB**

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

**MARKING ON PACKAGING:**  **1H1/X/250/YR/N/NET0358A - 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.

The packaging shall also be appropriately marked with the month of the manufacture.

**PRODUCT:**

Packaging code	Description	Drawings	Material
1H1 / 220 L	Plastics drums, non-removable head	F3P-2771 C	HDPE

**CLOSING MECHANISM:**

#: Closure type	Producer	Drawings	Material	Gasket	Torque
1: Bung 56x4 with 3/4"	Tri-Sure	TSF-504352	Finapro PPC 3640 S01	EPDM	20 Nm
2: Bung 56x4	Tri-Sure	TSF-505099 Rev.4	Finapro PPC 3640 S01	EPDM / PE	20 Nm EPDM / 25 Nm PE
3: Bung 70x6 "D17" vented	Tri-Sure	TSF-2100035	Finapro PPC 3640 S01	PE	20 Nm
4: Bung 70x6 "D38" vented	Tri-Sure	TSF-21000061	Finapro PPC 3640 S01	PE	20 Nm
5: Bung 70x6	Tri-Sure	TSF-2100020 Rev.2	Finapro PPC 3640 S01	EPDM / PE / PE Blue	20 Nm EPDM and PE / 25 Nm PE Blue
6: Bung 70x6 with 3/4"	Tri-Sure	TSF-2000032 Rev.2	Finapro PPC 3640 S01	PE / PE Blue	20 Nm PE / 25 Nm PE blue
7: Bung 38x6	Tri-Sure	A-SP-636-3	Finapro PPC 3640 S01	EPDM	20 Nm
8: Bung 70x6	KTH	-	PP	PE	20 Nm



### DIMENSIONS:

Packaging weight, g	Volume, l	Height, mm	Diameter, mm
10500 - 11025	220.0	935	581

### 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.

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. Permeability test has been carried out according to ADR 6.1.5.7. Compatibility testing has been carried out according to ADR/RID with the content listed below. Closure #2 can not be used with PE gasket, closure #5 and #6 can not be used with PE blue gasket. Closure #2 can not be used with PE gasket, closure #5 and #6 can not be used with PE blue gasket.

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Closure #
Acetic acid	1.1	200	1-8
n-Butyl acetate	1.0	200	1-8
Wetting solution	1.2	200	1-8
Water	1.9	200	1-8
White spirit	1.0	200	1-8
Nitric acid 55%	1.4	200	1-8
Nitric acid 55% - 66%	1.4	200	1-8
Butylhydroperoxide 78%	1.0	200	1-8
HOE S 3551	1.2	200	1-8

### DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET0358A	01.11.2013	NET	Type approval
NET0358B2	14.04.2015	NET	Selective testing

LERUM, SWEDEN

15.04.2015 CERTIFICATE IS VALID UNTIL:

30.04.2020

A blue ink signature of Susanne E. Dahlberg, written in a cursive style.

Susanne E. Dahlberg  
Certification Officer

A blue ink signature of Rune Madsen Fink, written in a cursive style.

Rune Madsen Fink  
Control Officer

*Nordisk Emballasje Testing AS Certification*