



**PRODUCT APPROVAL of PACKAGING
FOR
TRANSPORTATION of DANGEROUS GOODS
CERTIFICATE NO.: NET1901A**

Holder of certificate: Hannells Industrier AS

Manufacturer: Hannells Industrier AS
Mørupvej 1-5
DK-7400 Herning
DENMARK

Product:	Packaging code	Description	Product identification	Material
	3H1	Plastics jerrican with non-removable head	Jerrican, HI EUR, 20 / 25 / 27.5 / 30 litre, Drawing 4600 016	HDPE, Borealis BL0521


Closing mechanism:	#	Closure type	Producer	Product Identification	Material	Gasket	Closing torque
	1	Plastic screw cap	Bergiplast	Drawing nr. 00 1836	HDPE	EPE 300	30 Nm
	2	Plastic screw cap	Hannells	Drawing nr. F4P-2015	HDPE	Foamed PE	30 Nm
	3	Plastic screw cap	Hannells	Drawing nr. F4P-2015	HDPE	EPE 300	30 Nm
	4	Plastic screw cap	Hannells	Drawing nr. F3P-2569	HDPE	Foamed PE, Alkopore	30 Nm
	5	Plastic screw cap	Hannells	Drawing nr. S3P-2553	HDPE	EPE 300 Alkore	30 Nm
	6	Plastic screw cap	Westphal-Lange	SV61-12-A	HDPE	Alkozell	30 Nm
	7	Plastic screw cap	Westphal-Lange	SV61-08-B	HDPE	Alkozell	30 Nm
	8	Plastic screw cap	Mauser	V-AM3926	HDPE	Alvolit	30 Nm
	9	Plastic screw cap	Kunststoff-technik	AK5771-3	HDPE	PE VITON NATURE	30 Nm

Photo:



Dimensions:

#	Packaging weight, g	Volume, litre	Length, mm	Width, mm	Height, mm
1	878 - 922 g	20	295	260	384
2	1034 - 1086 g	20	295	260	384
3	1080 - 1134 g	20	295	260	384
4	1300 - 1365 g	20	295	260	384
5	1160 - 1218 g	20	295	260	384
6	1200 - 1260 g	20	295	260	384
7	1137 - 1194 g	25	295	260	444
8	1180 - 1239 g	25	295	260	444
9	1300 - 1365 g	25	295	260	444
10	1320 - 1386 g	25	295	260	444
11	1500 - 1575 g	25	295	260	444
12	1226 - 1287 g	27.5	295	260	490
13	1310 - 1376 g	30	295	260	515
14	1380 - 1449 g	30	295	260	515
15	1500 - 1575 g	30	295	260	515
16	1620 - 1701 g	30	295	260	515
17	1601 - 1681 g	30	295	260	515

Marking on packaging:  **3H1/Y1.9/200/YR/N/NET1901A - 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.

Approval:

NET issues the certification on described product according to delegated authority from Norwegian Directorate for Civil Protection and Emergency Planning (DSB):
 Legal regulations on Transportation of Dangerous Goods on road and railway § 11-1, 7th segment.

NET issues the certification on described product according to delegated authority from Norwegian Maritime Directorate (Sjøfartsdirektoratet) RSR-13-2008 (02.09.2008).

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:

Liquid substances that do not adversely affect the packaging materials. Compatibility testing has been carried out according to ADR/RID with the standard liquids listed below. Permeability test has been carried out according to ADR 6.1.5.7.

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

Packaging	Closure	Packaging groups	Content/ Standard liquid	Max. relative density	Max. vapour pressure, kPa at +50°C
1, 2, 7, 12, 13, 4, 9, 16, 17	1, 2, 3, 4, 6	II and III	water	1.9	171
1, 2, 7, 12, 13, 4, 9, 16, 17	1, 2, 4, 6, 7	II and III	n-butyl acetate	1.0	171
1, 2, 7, 12, 13, 4, 9, 16	1, 2, 3, 4, 6	II and III	wetting solution	1.4	171
1,2,7,12,13,4,9,16,17	1, 2, 4, 6, 7	II and III	white spirit	1.0	171
1, 2, 7, 12, 13, 4, 9, 16, 17	1, 2, 4, 6, 7	II and III	acetic acid	1.2	171
2,7,12,13,4,9,16,17	1, 2, 3, 4, 6, 7	II and III	nitric acid	1.4	100
10		II and III	methyl ethyl ketone peroxide, UN3105	1.2	200
5, 9, 17	5, 8	II and III	peroxy acetic-acid, UN3109	1.2	100
3, 8, 14, 15	2, 9,	II and III	nitric acid 62%, UN2031. The permitted use of plastics jerricans as single packagings shall be two years from their date of manufacture.	1.4	100
6, 11	1, 2, 4, 6, 7	II and III	nitric acid 65%, UN2031. The permitted use of plastics jerricans as single packagings shall be two years from their date of manufacture.	1.4	100

Basis for certification: Transfer

Documents based upon for approval:

Report id.	Date	Issued by	Scope
NET1901A	20.06.2008	NET	Type approval
NET1901A-01	16.12.2008	NET	Type approval
NET0314A	04.12.2007	NET	Type approval
P102938B	14.05.2002	SP	Type approval
SLRU02060	14.06.2002	Borealis	Type approval
P201975	10.12.2002	SP	Type approval
P205933A	24.06.2003	SP	Type approval
P304497rev.	03.01.2007	SP	Type approval
P304497	26.03.2004	SP	Type approval
F412221	28.06.2004	SP	Type approval
F415098	13.08.2004	SP	Technical evaluation
P503591	27.12.2005	SP	Type approval
SSGU06001	20.01.2006	Borealis	Type approval
97-004	05.02.1997	Borealis	Type approval
97-022	27.08.1997	Borealis	Type approval
97H60364	11.09.1997	SP	Type approval
97H24204	08.01.1998	SP	Chemical resistance testing
360.04372.51	16.05.2001	DTI	Type approval
1059890	20.06.2003	DTI	Type approval
1137638	12.12.2003	DTI	Type approval
1063855	30.10.2003	DTI	Type approval
1220519-02	11.05.2007	DTI	Technical evaluation
188137	13.06.2007	DTI	Type approval
75330240 rev.1	24.09.2002	DNV	Type approval
75330288 rev.1	17.01.2003	DNV	Type approval
75330288-3 rev. 1	11.08.2003	DNV	Type approval
75330299-2 rev.1	10.03.2003	DNV	Type approval

Porsgrunn: 26.01.2009

Certificate is valid until: 31.12.2013



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS
Certification