
CERTIFICATE OF APPROVAL

N° 230577

DATE: 1/09/2023

PACKAGING APPROVAL N°: **NL/CURTEC 1299**

HOLDER UN MARK: **CURTEC NEDERLAND B.V.**
Spoorlaan Noord 92
NL - 5121 WX RIJEN
The Netherlands

MANUFACTURER: **CURTEC NEDERLAND B.V.**
Spoorlaan Noord 92
NL - 5121 WX RIJEN
The Netherlands

T&CPI order number **T&CPI-23.055**

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Eng. J.A.G. (Hans) van Crugten
Project Manager



Dr. Ann Delmotte
General Manager

1. Description of the packaging

UN packaging code: 1H2
Type identification: Plastics drum blow moulded, removable head

Type identification	Nominal capacity	Dimensions Outside	Nominal mass drum without lid
Standard drum, serial number 7015	15 L	ø 274 x 318 mm	700 g
Standard drum, serial number 7011	10 L	ø 274 x 229 mm	580 g
Standard drum, serial number 7010	10 L	ø 274 x 229 mm	580 g

Material code drum	Drum	Lid ref 7006
A	Exxon Mobil HYA600	Sabic M80064SE or Sabic M80064S or Exxon Mobil HMA 035 or Ineos Polyolefins Rigidex HD6070UA
B	Ineos Rigidex HD5502S	
D	Sabic B5429	
E	Braskem HS5502	
G	Chevron Phillips Marlex HHM 5502BN	
H	Braskem SGF4950HS	Braskem SHD7255LSL

Manner of closing: Removable Screw-On Lid
Dimensions of the lid: ø 270 x 51 mm
Nominal mass lid: 258 g
Gasket (Moosgummi)
Dimensions: Round 205.5 x 6.4 mm
Material: NR / SBR or EPDM
Mass gasket: 15 g

2. Reference regulations

Sea transport: IMDG Code, 2022
Air transport: ICAO TI, 2023/2024
Road transport: ADR, 2023
Railway transport: RID, 2023

3. Reference reports

TNO report:	93.1078, dated February 17, 1993
TNO report:	BU4.97/014760-1/PS, dated April 16, 1997
TNO report:	BU4.97/018503-1/PS, dated October 06, 1997
TNO report:	BU4.99/028908-1/PS, dated February 18, 1999
TNO report:	BU4.99/029064-1/PS, dated February 24, 1999
TNO report:	VERP 03.04634/RV, dated December 24, 2003
TNO report:	VERP 05.08950/CS, dated March 29, 2005
TCPI report:	TCPI-15.039a, dated April 09, 2015
BVI report:	T-15.011, dated April 10, 2015
BVI report:	G-15.067, DOT vibration test
BVI report:	T-18.036, dated January 11, 2019
BVI report:	T-23.024, dated September 1, 2023

4. Contents to be transported

Solids: maximum gross mass 22 kg

	Volume	15 L	10L
Packing group I, II and III	Maximum bulk density	1400 kg/m ³	2100 kg/m ³
	Tested with	quartz sand	Red garnet/quartz sand

Based on 4.1.1.5.1 and additional tests according to report T-18.036, dated January 11, 2019 the packaging may also be used as combination packaging.

Inner package;

One or more plastic bags with or without one or more layers from the same or other materials.

Dimensions of the plastic bags; ≥100 x ≥200 mm, thickness ≥80 micron

According to 4.1.1.5.1 sufficient additional cushioning material is required to take void spaces and to prevent significant movement of the inner packaging's

Inner packaging must be suitable for the substance to be packed.

Solids: maximum gross mass		1x22 kg or less 2x11 kg or less and so on
Packing group I, II and III	Maximum bulk density	7800 kg/m ³
	Tested with bags with	Quartz sand / PE granulates
		Quartz sand / Steel sawdust


TESTING AND CONSULTANCY PACKAGING INTERNATIONAL

Part of IBE-BVI Group

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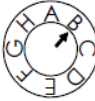
5. UN mark

T&C Packaging International as recognised body by the competent authority in The Netherlands has issued the following mark:

Packaging type	
7015 - 7011 - 7010	 1H2/X22/S/**/NL/CURTEC 1299
	** the last two numbers of the year of production

This mark can be used by the holder of the UN-mark, Curtec Nederland B.V. in Rijen, The Netherlands, to indicate that the packagings produced meet the requirements.

In addition the packagings have been successfully submitted to a DOT vibration test

Material clock to add in container	Material reference Container	Material
	A	Exxon Mobil HYA600
	B	Ineos Rigidex HD5502S
	D	Sabic B5429
	E	Braskem HS5502
	G	Chevron Phillips Marlex HHM 5502BN
	H	Braskem SGF4950HS

6. Quality assurance

Manufacturing of packaging bearing this mark must be according to a quality assurance system as required by the competent authority in The Netherlands and laid down in the applicable Guideline.

7. Use of packaging

The use of packaging of the approved type for the transport of dangerous goods has been laid down in the regulations applicable in the mode of transport.

8. Validity

This approval replaces all approvals issued earlier.
The use of packaging, manufactured in a period in which a previous approval was valid, is allowed.



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