



# Product Specification

## Product

<b>Berlin ref. no.</b>	8012-10000.H10.N1	<b>Issue date</b>	08 May 2024
<b>Customer</b>	ScanDrums A/S - Customer ref. No.		
<b>Description</b>	10 ltr Jerry Can		
<b>Indented use</b>	All Food stuff		
<b>Not intended use</b>	Cooking, heating on stow or open fire.		

## Design

<b>Drawing no.</b>	SP-12	<b>Drawing Date</b>	12-04-2018
<b>External bottle dimensions</b>		<b>Neck dimensions</b>	
Shape	Square	External diameter	43mm ± 0,3mm
External height	368mm ± 1mm	Internal diameter	-mm ± -mm
Diameter	150/234mm ± 1mm	Height	-mm ± -mm
<b>Body wall thickness</b>	0,50 ± 0,20 mm	<b>Label dimensions</b>	
Volume brim-full	10730 ± -	Height	N/Amm
Volume nominal	10000	Wide	N/Amm
Weight	280g ± 5g	<b>Shelf life</b>	Min 10 years

## Raw Material and Declaration of Compliance

<b>Specifikation/Description/Raw material</b>	H10, SABIC, HDPE, B5411  Suited for food contact. Compliant with Commission regulation (EC) 1935/2004, (EC) 10/2011/EC, (EC) 1895/2005 and (EC) 2023/2006
<b>Master batch</b>	N1, -, Natural no color, -
<b>Resistance</b>	The raw material's chemical resistance conforms with the requirements regarding heavy metal and Non-volatile Residue and are in accordance with USP. The content of heavy metals in the products, the inner bag/foil, and the carton is less than 100 ppm.
<b>Compliant with legislation</b>	<p>-(EC) No 2023/2006 of 22nd December 2006 on good manufacturing practice for materials and articles intended to come into contact with food, amended up to Commission regulation (EC) 2022/1616 of 15 September 2022</p> <p>-(EC) No 1935/2004 of 27th October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC amended up to Commission regulation (EC) no. 596/2009 of 18th June 2009</p> <p>-(EC) 1907/ 2006 on chemicals and their safe use – REACH (Registration, Evaluation, Authorization and Restriction of Chemical substances) Amended up to amendment 2020/507 of 5th April 2020</p> <p>-(EC) No 1223/2009 of 30th November 2009 on Cosmetics products. Amended up to commission regulation (EU) 2019/1966 of 27. November 2019</p> <p>-(EU) No 10/2011 of 14th January 2011 on plastic materials and articles intended to come into contact with food, amended up to (EC) 2023/1627 of 10th August 2023.</p> <p>-(EC) 2022/1616 of 15th September 2022 recycled Plastics materials and subsequent amendments and articles intended to come into contact with food and amending Regulation (EC) No 2023/2006</p> <p>- (EC) No 450/2009 of 29th May 2009 on active and intelligent materials and articles intended to come into contact with food.</p>
<b>Content of active materials</b>	No active materials in this product
<b>Content of recycled material</b>	This product does not contain any recycled material

**Migration**

All materials used for this bottle are suited for contact with all food stuff, we do not intentionally add any other substances than described in this document.

Migration test is performed according to (EC) 1935/2004, (EC) 10/2011 for all food stuff.

Overall migration:

A Ethanol 10% (are assigned for foods that have a hydrophilic character and are able to extract hydrophilic substances)

B Acetic acid 3% (are assigned for foods that have a hydrophilic character and are able to extract hydrophilic substances, shall be used for foods which have a pH below 4.5)

D2 Alcohol 95% (are assigned for foods that have a lipophilic character and are able to extract lipophilic substances, shall be used for foods which contain free fats at the surface) all 240 hours at 40°C, Isooctane 48 hour at 20°C.

Result is within the required limits

**SML substances**

Substances with limits and restrictions listed in Regulation (EU) 10/2011 Annex land II

CAS Number	Name of substance	SML
	None	
	No masterbatch	

From master batch

**Dual Use**

This material contains one or more intentionally added dual use additives which are subject to disclosure of None

From master batch

**Aromatic Amine**

This product does not contain any Primary Aromatic Amines

**Bisphenol**

This product does not contain any bisphenol A (BpA)

**Phthalates**

This product does not contain any phthalates

**PVC**

This product does not contain any PVC

**REACH and Candidate list**

We hereby confirm that we manufacture according to the regulation No. 1907/2006/EG and that our products do not contain substances according to the appendix XIV of the Reach-VO respectively in the regulation No. 465/2008/EG (substances which require approval, so to speak SVHC-Substances of very high concern).

We also confirm that:

- We monitor the REACH candidate list, and that we are aware of the latest additions to the list of SVHCs, published on the ECHA website January 15th, 2019
- We do not add any of these substances during the manufacturing process.

**Organoleptic properties**

It has not been determined whether this bottle will induce an unacceptable change in the composition of the food or will cause deterioration of the organoleptic properties of the food. It is the responsibility of the downstream user to perform these tests.

**ISO 22000 Food Safety Management Certification**

**ISO 22000** Berlin Packaging A/S has certification for ISO 22000. BV Original approval date: 01.10.13

**Process** The bottles are extrusion blow moulded  
**Hygiene** The production takes place in clean environment and are produced hygienically with full automated packaging and following HACCP, ISO 22000  
**Facility** Located Borup, Denmark

**ISO 9001 certification.**

Berlin Packaging A/S has obtained and certification for ISO 9001  
 Bureau Veritas Certification certify that the Management System of Berlin Packaging has been audited and found to be in accordance with the requirements of the management system ISO 9001  
 Original approval date: 13-03-1993

**Quality Control****Quality requirements**

All products are quality controlled according to instructions specified in our quality control system. We guarantee demands mentioned below. If required a certificate for each delivery can be issued. The classification of defect and specification of AQL are based on Military Standard 105E, Normal Inspection Level II  
 This specification is applicable to ISO 9001 - 2015 with the below classifications of quality defects as a basis of the quality evaluation

Critical defect	(defect class 2):	Total defect	AQL = 0,65
Major defect	(defect class 3):	Total defect	AQL = 1
Minor defect	(defect class 4):	Total defect	AQL = 4,0

The grouping of types and classes of defects appears in separate document: "Classification of defect"

**Visual Characteristics**

Characteristics	Accept / Reject criteria	Method
Colour	No color	Visual
Black spots from burned material, outside	In visual flat surface area max 1 of $\varnothing$ 0,3mm In neck and curved area max 2 of $\varnothing$ 0,5mm	Visual
Flashes on neck	Acceptable if no influence on function	Leak and function
Flashes on parting line	Max 0,3mm	Measurement
Material down draw in neck	Acceptable if no influence on function and less then 10 mm	Measurement and function
Base stability	No rocking when standing on flat surface	Function

**Packaging**

The bottles are packed on EUR pallets, in heat sealed bags of blue LDPE foil with 1 package on each layer

		<b>Pallet dimensions</b>	
Quantity per layer	25 bottles	Height of Pallet	2.400 mm
Number of layer	6	Length of Pallet	1.200 mm
Quantity per pallet	<b>150 bottles</b>	Width of Pallet	800 mm
		Weight of Pallet	67 kg
		Volume per Pallet	2,30 M <sup>3</sup>

**Storage**

Store dry. No direct solar radiation.

Temperature min 5°C max. 40°C humidity as low as possible max 60% before processing it is recommended to store bottles min. 24 hours at room temperature.

All tests and measurements must also be carried out under these conditions.

**ISO 14001 Environment Certification**

Berlin Packaging complies with all national and international laws of environmental protection within our business.

Further we assure through our certified ISO14001 environment management system that the usage of energy and the amount waste are being monitored and that ongoing projects are in place to reduce the negative impact on the environment caused by energy and raw material consumption.


Original approval by Bureau Veritas: 11-03-2013

**Labelling**

The pallets are labelled with the below information and are traceable by bar codes

- |                        |                                  |
|------------------------|----------------------------------|
| 1. Product description | 5. Quantity per Pallets          |
| 2. Product no./Colour  | 6. Production date/Controlled by |
| 3. Pallets no.         | 7. Producers name                |
| 4. Batch no.           |                                  |

**Approved**

Company	Title	Approved by valid without signature	Issue Date
Berlin Packaging A/S Bækgårdsvej 56, DK, 4140 Borup	Quality Specialist	 Heidi Andersen	8. maj 2024

**Disclaimer**

The information included in this document is based on the present state of our knowledge and is valid from the stated issue date until this document is superseded due to possible changes in the underlying legislation, as well as possible changes in this product we cannot guarantee that the status of this document will remain unchanged. It will be renewed in all cases when the previous conformity is no longer ensured.