






## Cardboard with biopolymer coating

### Material description

The box is produced from pure cellulose. In order for the cups to be resistant to moisture, the cardboard is coated with a biopolymer film on the inside.

### Product description

Picture	Description	Volume (ml)	Article number
	Take away Carton Box b/w, 118/85x95/65x90mm, 700ml	700	15771
	Take away Carton Box b/w, 125/110x112/90x65mm,780ml	780	15772
	Take away Carton Box b/w,168/152x132/120x65mm,1,3Lt	1300	15773
	Take away Carton Box b/w,185/160x110/90x60mm,1000ml	1000	15774
	Take away Carton Box b/w, 215/200x155/140x65mm, 2Lt	2000	15775

### Material/composition

Cardboard in pure cellulose 260g/m<sup>2</sup>, virgin fiber, FSC® Mix Credit  
Biopolymer coating 25 g/m<sup>2</sup>  
Ink, varnish, glue  
FSC® certified goods are shown on the invoice

# PRODUCT SPECIFICATION\_00884/e

## DECLARATION OF COMPLIANCE



### Storage

Storage temperature: 20-23°C  
Relative humidity: 50-55%  
Storage time: 3 years  
Storage conditions: keep away from direct sunlight

### Purpose of use

The products are suitable for direct contact with the following types of food:

- aqueous
- dry
- acid
- greasy
- low alcoholic

Applications:

- Fridge
- Freezer -20°C
- Storage at room temperature or below more than 24h
- Single-use

**NOT** suitable applications:

- Oven 220°C
- Microwave

### Confirmations

These articles meet the following regulations :

- Regulation (EC) No 2023/2006** on good manufacturing practice for materials and articles intended to come into contact with food
- Regulation (EC) No 1935/2004** on materials and articles intended to come into contact with food
- Regulation (EU) No 10/2011** on plastic materials and articles intended to come into contact with food.

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- Recommendation XXXVI** of the Federal Institute for Risk Assessment (BfR)
- Directive 94/62/EC** on packaging and packaging waste
- Regulation (EC) No 1907/2006** concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Printing inks :

- EuPIA Guideline for printing inks for use on the non-food surface of food packaging and articles
- SR 817.023.21** The Swiss Ordinance on Materials and Articles in Contact with Food

### Risk Assessment on NIAS- Communication

The supplier declares that risk assessment activities have been implemented within the quality department aimed to identify and monitoring residual substances in the finished product that are not intentionally added (NIAS) by him during the production process. This surveillance is carried out through screening analyzes by his reference laboratory with the residual content approaches contemplated by EU Regulation 10/2011 - Annex V Chapter 2.2.2

### Overall migration

Tested under the following conditions:

Simulant	Time	Temperature
<input checked="" type="checkbox"/> B: Acetic acid 3 % (w/v)	10 days	40°C
<input checked="" type="checkbox"/> D1: Ethanol 50 % (v/v)	10 days	40°C
<input checked="" type="checkbox"/> Isooctane	2 days	20°C

The global migration values are below the limit of 10 mg/dm<sup>2</sup>.

### Information on specific migration

The values of the following monomers, for which specific migration limits and limitations apply, are met :

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Substance	CAS-No.	Limit mg/kg
Terephthalic acid	100-21-0	7.5
Hexamethylene diisocyanate	822-06-0	1 expressed as isocyanate moiety
1,4-Butanediol	100-63-4	5
Tetrahydrofuran	109-99-9	0.6

### Calculation basis

Ratio of food contact surface area to volume used to establish the compliance of the material or article: 200cm<sup>2</sup>/200ml.

### Dual-use-additives plastic layer

The following dual-use additives regulated by REGULATION (EC) No 1333/2008 and REGULATION (EC) No 1334/2008 are included in the material:

Substance	E-No.
Lactid acid	E270

### Analyses paperboard

Heavy metals:

Cadmium (Cd) < 5 µg/l in the cold water extract of the paperboard

Lead (Pb) < 10 µg/l in the cold water extract of the paperboard

Chloropropanols:

1,3-DCP < 2 µg/l in the hot water extract of the paperboard

3-MCPD < 12 µg/l in the hot water extract of the paperboard

Formaldehyde:

Analysis has been performed according to EN 1541. The amount of formaldehyde is < 1 mg/dm<sup>2</sup>.

Optical brightening agents:

Optical brightening agents, OBAs, are not used as raw material or intentionally added in the production of paperboard. Analysis has been performed according to EN 648. There was no visible transfer (grade 5) for any of the test fluids.

Colour fastness:

Analysis has been performed according to EN 646. There was no visible transfer (grade 5) for any of the test fluids.

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### Hemmhof test:

Analysis has been performed according to EN 1104. There is no transfer of antimicrobial constituents. Surface biocides on top of the paperboard are not added.

### Chromium:

Chromium (Cr) < 2.0 mg/kg  
Chromium-VI not detectable

### Dioxin in paperboard:

The content of 7 2,3,7,8-substituted toxic congeners of polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) and 12 dioxin like PCB's analysed in representative samples of paperboard is less than 1 ppt WHO-TEQ.

### PCB :

Analyses have been performed on representative paperboard samples for polychlorinated biphenyls (PCB) according to EN ISO 15318. The amount of PCB is below < 2.0 mg/kg.

### PCP :

Analysis has been performed on representative paperboard sample for pentachlorophenol (PCP) according to EN ISO 15320.  
The amount of PCP is < 0.15 mg/kg.

### Production site:

Italy

### Customs duty number:

4823.6910

### Compostability:

The products are compostable on industrial composting plants

### Certificates:

Tested according to DIN EN 13432,  
DIN CERTCO certificate No: 7P0491  
FSC-certificate No: SGSCH-COC-010010



## Climate neutral

### Packaging

ClimatePartner.com/14268-2004-1003



# PRODUCT SPECIFICATION\_00884/e DECLARATION OF COMPLIANCE




## Disclaimer

This confirmation applies to the material supplied by us as described. The material then fulfills the requirements of these guidelines for contact with the specified filling goods, provided the specified food contact conditions are observed. The user must convince himself of the suitability of the material for the intended filling material beyond the requirements of the guidelines.

## Reclamation

Deliveries, which differ from the listed specifications, will be withdrawn and replaced after review.

<b>Created by: STOL</b> <b>Date: 21.10.2021</b>	<b>Released by: MEI</b> <b>Andreas Meier (Head of purchasing)</b>	 <b>Version: 4</b>
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