





This specification describes articles of the material group

Cardboard/PLA







Material description

The articles are produced from pure cellulose. In order to ensure that the articles are resistant to moisture, the cardboard is coated with a starch film on the inside. Exclusively compostable and environmentally friendly dyes are used which neither contain heavy metals nor toxic materials.

Product description

Picture	Description	Article number
	Ice cup	17902 17903 17904 17905 20744
	Salad bowl Kraft brown	17011 17012 17013 17014 20745 20746
	Soup cup Kraft brown	15529 15530 15531 15532 15533
	Vented Lid Kraft brown for soup cups	15534 15535 15536

PRODUCT-SPECIFICATION_00812/e
DECLARATION OF COMPLIANCE

Picture	Description	Article number
	Wrap Cups	17075 17076
	Boat Kraft brown	16527 16528 16529 16530 16531 16532
	Take away box	19064
	Food Tray	20619
	Square Box with window	20682
	Sandwich Pack Kraft/PLA	21019

Material / composition

Art. No. 16527-16532:

Kraft cardboard FSC® certified, PLA

Art. No. 20682, 21019:

Kraft cardboard, PLA, PLA window, glue

Remaining articles:

Kraft cardboard, PLA, partly with glue

PRODUCT-SPECIFICATION_00812/e DECLARATION OF COMPLIANCE



Storage

Storage temperature: ambient
Relative humidity: dry
Storage conditions: keep away from direct sunlight

Purpose of use

The products are suitable for direct contact with food; also for food with fatty character.

The following types of food are **not** suitable for storage in the articles due to material reasons, as they lead to grease spots:

Pure fat and oil and products preserved in oil

Applications:

- Heating to 70°C up to 2h
- Storage 30°C, 3d
- Single use
- Deep freezing: -30°C

Declaration of compliance

These articles meet the following regulations and are suitable for direct contact with food :

- 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 and
- Regulation (EU) No 10/2011** on plastic materials and articles intended to come into contact with food. And subsequent amendments until the date of the test report.
- Directive 94/62/EC** on packaging and packaging waste

Printing inks

- SR 817.023.21** The Swiss Ordinance on Materials and Articles in Contact with Food

PRODUCT-SPECIFICATION_00812/e

DECLARATION OF COMPLIANCE



Overall migration

for salad bowl, ice, soup and wrap cup (SQTS 2018L09966)

Simulant	Time	Temperature
<input checked="" type="checkbox"/> C: Ethanol 20% (v/v)	2h	85°C
<input checked="" type="checkbox"/> E: Poly(2,6-diphenyl-p-phenylenoxid) or Tenax	2h	85°C

for take away box (UEB1846429)

Simulanz	Time	Temperature
<input checked="" type="checkbox"/> B: Acetic acid 3 % (v/v)	2h	70°C
<input checked="" type="checkbox"/> Ethanol 95 % (v/v)	2h	60°C
<input checked="" type="checkbox"/> Isooctane	0.5h	40°C

for boat kraft brown (SQTS 2019L25356)

Simulanz	Time	Temperature
<input checked="" type="checkbox"/> B: Acetic acid 3 % (v/v)	2h	70°C
<input checked="" type="checkbox"/> Ethanol 95 % (v/v)	2h	60°C
<input checked="" type="checkbox"/> Isooctane	0.5h	40°C

for cardboard with window (UEB1855052, SQTS 2019L25356)

Simulanz	Time	Temperature
<input checked="" type="checkbox"/> B: Acetic acid 3 % (v/v)	2h	70°C
<input checked="" type="checkbox"/> Ethanol 95 % (v/v)	2h	60°C
<input checked="" type="checkbox"/> Isooctane	0.5h	40°C

The total migration values are below the legal limits with the tested simulants.

The quantitative temperature dependence of the migration can be approximately described by the Arrhenius equation. Accordingly, the test conditions (2h, 85°C) also include a storage period of at least 3 days at 30°C.

Specific migration

Compliance with the regulations cited above is based, on the one hand, on the information provided by our suppliers, who do not disclose all ingredients to us due to secrecy, and on the other hand on our own migration tests, which we commissioned in order to validate the plausibility. Based on both the subcontractor's documents and own results, compliance with the specific migration can be confirmed.

PRODUCT-SPECIFICATION_00812/e DECLARATION OF COMPLIANCE



A screening was performed. The limits are met.

Calculation basis

Ratio of food contact surface area to volume used to establish the compliance of the material or article:

Salad bowl, soup and wrap cup: 6 dm²/kg. Boat Kraft brown: 6 dm²/kg. Take away box: 5.31dm²/1.5l, for cardboard with window 1 dm²/100ml and 6 dm²/kg.

Dual-use additives

The following dual-use additives may be included in the material:

Lactic Acid CAS 50-21-5 E270

Functional barrier

No functional barriers are used.

Production location:

China

Bio-degradability:

The products are bio-degradable

Customs duty number:

4823.6900

4819.2000

Reclamation

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

Created by: STOL Date: 26.09.2019	Released by: MEI Andreas Meier (Head of Purchasing)		Version: 7
--	--	---	-------------------