

This specification describes articles of the material group



Cardboard/PLA

Material description:

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

| Picture | Description | Article number |
|---|----------------------------|----------------------------|
|  | Coffee cup naturesse | 5096, N142, 5097, 5098 |
|  | Coffee cup naturesse brown | N512, 13006, 14541, 14746 |
|  | Coffee cup palm leaf | N082, 5235, N539, 11433 |
|  | Coffee cup Retro naturesse | 13001, 13002, 13003, 13004 |

This information is based on our current level of know-how and knowledge. Specifications can be adjusted at any time without advance warning.

| Picture | Description | Article number |
|---|----------------------------------|-----------------------------|
|  | Coffee cup brown double wall | 16417, 16418, 16419 |
|  | Coffee cup palm leaf double wall | 14353, 14354, 14355, 14356, |

Material / composition

Carton of pure pulp + PLA coating

Storage

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

Purpose of use

Types of food to be in contact with the material:

- aqueous
- acid

Applications:

- Short-term contact
- Temperature resistant up to 85°C
- Single-use

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

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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

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

Overall migration

Coffee cup palmleaf double wall

Tested under the following conditions (Prüfbericht SQTS 2018L15026):

| Simulant | Test | Hot filling | Time | Temperature |
|--|------|-------------|------|-------------|
| <input checked="" type="checkbox"/> B: Acetic acid 3 % (v/v) | OML | 85°C | 2h | 40°C |
| <input checked="" type="checkbox"/> D1 Ethanol 50 Vol.-% | SML | 85°C | 2h | 40°C |

Coffee cup brown double wall

Tested under the following conditions (test report SQTS 2018L01373):

| Simulant | Test | Hot filling | Time | Temperature |
|---|----------|-------------|------|-------------|
| <input checked="" type="checkbox"/> B: Acetic acid 3 % (v/v) | OML | 85°C | 2h | 40°C |
| <input checked="" type="checkbox"/> Alternative simulant Ethanol 95 % (v/v) | OML, SML | 85°C | 2h | 40°C |

Remaining coffee cups

Tested under the following conditions (test report SQTS 2017L06262):

| Simulant | Test | Hot filling | Time | Temperature |
|--|----------|-------------|------|-------------|
| <input checked="" type="checkbox"/> B: Acetic acid 3 % (v/v) | OML | 85°C | 2h | 40°C |
| <input checked="" type="checkbox"/> D1: Ethanol 50 % (v/v) | OML, SML | 85°C | 2h | 40°C |

The global migration values are below the limit of 10 mg/dm² and 60 mg/kg.

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 (SQTS 2015L12290, 2018L01373, 2018L15026). Based on both the subcontractor's documents and own results, compliance with the specific migration can be confirmed.

Calculation basis

Ratio of food contact surface area to volume used to establish the compliance of the material or article: 6 dm²/kg

Heavy metals

This information is based on our current level of know-how and knowledge. Specifications can be adjusted at any time without advance warning.

No increased heavy metal values (lead, cadmium, chromium, mercury) were detected in the packaging. The sum of the measured elements is below the limit of 100 mg/kg according to the ChemRRV as well as the directive 94/62/EC.

Production location: China

Bio-degradability: The products are completely bio-degradable

Certificates: tested according to DIN EN 13432, certificate No. 7P0496
FSC-certificate No. SGSCH-COC-010010

Customs duty number: 4823.6900

Reclamation

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

Pacovis AG

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| <p>Created by: STOL Date: 20.06.2018</p> | <p>Released by: MEI Andreas Meier (Head of Purchasing)</p>  |
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