

DECLARATION OF COMPLIANCE FOR MATERIALS AND ARTICLES INTENDED TO COME IN CONTACT WITH FOOD

MANUFACTURER

The manufacturer or his authorized representative established in the Community:

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PRODUCT DESCRIPTION

Product name: 1 SIDED BOPP COATED VIRGIN CARTBOARD
Type of board: Virgin cardboard
Grammage cardboard: 1.5 mm - 950 g/cm²

COMPLIANCE STATEMENT

Product stated above complies with:

- Directive 1935/2004 / EC. Relevant materials intended to come into contact with food.¹
- Directive 10/2011 / EC. Concerning plastic materials intended to come into contact with food²
- BfR recommendation no. XXXVI, 01.09.2017, Germany

In the following conditions of use:

Type of food intended to come into contact with material / article:

The overall migration results shows that the BOPP coated side of this material may be used in contact with all types of foodstuff.

This material is not intended to come into contact with food for infants.

Storage time and temperature of the material / article:

To guarantee the product safety of the packaging, it is best packed inside stored protective against rain and snow. The packaging can be stored for a long time at room temperature or lower. The recommended storage conditions are at 50-55% relative humidity and 20-23° C. We recommend that these are processed within 12 months of the production date.

Possible treatment of the material / object:

Any long term storage at room temperature or below, including heating up to 70 °C for up

¹ Regulation (EC) no 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC – Article16

² COMMISSION REGULATION (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food and its amendments.

to 2 hours, or heating up to 100 °C for up to 15 minutes.

Surface area / volume ratio

Theoretical assumption that 1 kg of food is packed with 6dm² of packaging.

Our products are standard products, if they are suitable for packing all food products then it is not possible to calculate the real surface / volume ratio for all applications. As a result, we base ourselves on the theoretical assumption mentioned above.

This declaration was made on the basis of:

1. The declaration of conformity provided by the producers of raw materials used for production
2. Global migration testing
3. Specific migration testing for BPA, MOSH/MOAH and PFOS/PFOA

GLOBAL MIGRATION

SIMULANTS AND TEST CONDITIONS

USED SIMULANT	CONTACT DURATION	CONTACT TEMPERATURE
Simulant A	10 days	40°C
Simulant B	10 days	40°C
Simulant D2: Isooctane*	10 days	40°C
Simulant D2: Ethanol 95%*	2 days	20 °C

*In accordance with European regulation 10/2011 / EC and amendments simulant D2 (vegetable oil) is the assigned simulant for fatty foods. Anyway, due to the technical problems, the test method for determining the global migration in olive oil is not suitable for cardboard packaging.

*In accordance with European regulation 2016/1416, the 95% ethanol and isooctane replacement simulant can be selected instead of olive oil when a migration test with olive oil is not feasible for technical reasons. The migration test with the replacement simulant D2 must be performed with adapted test conditions.

MIGRATION LIMITS

PARAMETER	LIMIT	SIMULANT	AVERAGE MEASURED VALUE mg/dm ²
Global migration	< 10 mg/dm ²	Simulant A	1.6
		Simulant B	<1
		Simulant D2: Isooctane*	1.4
		Simulant D2: Ethanol 95%*	2.8

Reminder on authorized overall migration limit:

- Aqueous simulants: 10 mg/dm² with a 1 mg/dm² analytical tolerance.
- Fatty simulants: 10 mg/dm² with a 3 mg/dm² analytical tolerance.

SPECIFIC MIGRATION OF SINGLE COMPONENT

BOPP Layer

The raw material of the film meets the conditions described in the EU legislation, the list of approved monomers and additives for plastic material and articles intended to come into contact with food stuff. The specific migration limits of substances below are not exceeded.

Name of Substance / Chemical	CAS / PM Ref Number	SML
Slip Agent	68400	5 mg/kg
Antioxidant	38820 - 38840 -68320	0,6 - 5 - 6 mg/kg
Antistatic-Ethoxylated Amine	39090	1,2 mg/kg
Vinyl fluoride	26140	5 mg/kg

Other analysis:

SPECIFIC MIGRATION OF HEAVY METALS

Test Item	Result (mg/Kg)	Permissible limit (mg/Kg)
Specific Migration of Aluminum	Not Detected	1
Specific Migration of Barium	Not Detected	1
Specific Migration of Cobalt	Not Detected	0.05
Specific Migration of Copper	Not Detected	5
Specific Migration of Iron	Not Detected	48
Specific Migration of Lithium	Not Detected	0.6
Specific Migration of Manganese	Not Detected	0.6
Specific Migration of Nickel	Not Detected	0.02
Specific Migration of Zinc	Not Detected	5
Specific Migration of Tungsten	Not Detected	0.05
Conclusion	Pass	--

SPECIFIC MIGRATION OF PHTHALATES:

Test Item	Result (mg/Kg)	Permissible limit (mg/Kg)
Dibutylphthalate (DBP)	Not Detected	0.3
Benzylbutylphthalate (BBP)	Not Detected	30
Bis-(2 ethylhexyl) phthalate (DEHP)	Not Detected	1.5
Diisonylphthalate + Diisodecylphthalate (DINP + DIDP)	Not Detected	9
Dialylphthalate (DAP)	Not Detected	0.01
Conclusion	Pass	--

SPECIFIC MIGRATION OF PRIMARY AROMATIC AMINE

Test Item	Result (mg/Kg)	Permissible limit (mg/Kg)
Specific migration of Primary Aromatic Amine	Not Detected	0.01
Conclusion	Pass	--

SPECIFIC MIGRATION OF BISPHENOL A

Test Item	Result (mg/Kg)	Permissible limit (mg/Kg)
Specific migration of Bisphenol A	Not Detected	0.05
Conclusion	Pass	--

ROHS-II

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Item(s):	Unit	Results	MDL	Limit
Cadmium (Cd)	mg/kg	Not Detected	5	100
Lead (Pb)	mg/kg	Not Detected	5	1000
Mercury (Hg)	mg/kg	Not Detected	5	1000
Hexavalent Chromium (CrVI)	mg/kg	Not Detected	8	1000
Sum of PBBs	mg/kg	Not Detected		1000
Monobromobiphenyl	mg/kg	Not Detected	50	
Dibromobiphenyl	mg/kg	Not Detected	50	
Tribromobiphenyl	mg/kg	Not Detected	50	
Tetrabromobiphenyl	mg/kg	Not Detected	50	
Hexabromobiphenyl	mg/kg	Not Detected	50	
Pentabromobiphenyl	mg/kg	Not Detected	50	
Heptabromobiphenyl	mg/kg	Not Detected	50	
Octabromobiphenyl	mg/kg	Not Detected	50	
Nonabromobiphenyl	mg/kg	Not Detected	50	
Decabromobiphenyl	mg/kg	Not Detected	50	
Sum of PBDEs	mg/kg	Not Detected		1000
Monobromobiphenyl ether	mg/kg	Not Detected	50	
Dibromobiphenyl ether	mg/kg	Not Detected	50	
Tribromobiphenyl ether	mg/kg	Not Detected	50	
Tetrabromobiphenyl ether	mg/kg	Not Detected	50	
Hexabromobiphenyl ether	mg/kg	Not Detected	50	
Pentabromobiphenyl ether	mg/kg	Not Detected	50	
Heptabromobiphenyl ether	mg/kg	Not Detected	50	
Octabromobiphenyl ether	mg/kg	Not Detected	50	
Nonabromobiphenyl ether	mg/kg	Not Detected	50	
Decabromobiphenyl ether	mg/kg	Not Detected	50	
Dibutylphthalate (DBP)	mg/kg	Not Detected	100	1000
Butyl benzyl phthalate (BBP)	mg/kg	Not Detected	100	1000
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	Not Detected	100	1000
Diisobutyl Phthalates (DIBP)	mg/kg	Not Detected	100	1000

HALOGEN – CHLORINE (Cl)

With reference to BS EN 14582:2016

Test Name	Result (mg/Kg)	Requirement
Halogen- Chlorine (Cl) (CAS No. 022537-15-1)	Not Detected	-
Conclusion	Pass	--

Adhesive

For the components listed below, restrictions apply which are to be followed with regard to the finished product which (may) come into contact with food:

Ref.-Nr.10690: SML = 6 mg/kg; Ref.-Nr.10780: SML = 6 mg/kg; Ref.-Nr.11500: SML = 0,05 mg/kg;
Ref.-Nr.12100: SML = 0,01 mg/kg; Ref.-Nr.17050: SML = 30 mg/kg; Ref.-Nr.33801: SML = 30 mg/kg;
Ref.-Nr.66755: SML = 0,5 mg/kg; Ref.-Nr.77708: SML = 1,8 mg/kg; Ref.-Nr.77897: SML = 5 mg/kg;
Ref.-Nr.86880: SML = 9 mg/kg; Ref.-Nr.91530: SML = 5 mg/kg; Ref.-Nr.17260/54880: SML = 15 mg/kg;
Ref.-Nr.52000: SML = 30 mg/kg

FLUORIDIZED SUBSTANCES

(Danish Order on food contact materials nr. 681 25 May 2020)

SIMULANTS AND TEST CONDITIONS

- Food simulant: Distilled water
- Conditions: 10d. at 40°C
- S/V ratio for the results: 6 dm²/kg

MIGRATION LIMITS

	MEAN MIGRATION (µG/KG OF SIMULANT)	SPECIFIC MIGRATION LIMIT (µG/KG)
PFOA	< 0,003	/
PFOS	< 0,003	/

Based on the information given by our suppliers and de migration test above, we can declare that this article is manufactured without and fluorinated polymers and therefore also without fluorinated compounds (PFCs such as PFOS and PFOA).

Bisphenol A (BPA)

SIMULANTS AND TEST CONDITIONS

- Food simulant: Ethanol 95%
- Conditions: 2d. at 20°C
- S/V ratio of the test : 3.53 dm²/kg
- S/V ratio for the results: 6 dm²/kg

MIGRATION LIMITS

	MEAN MIGRATION (µG/KG OF SIMULANT)	SPECIFIC MIGRATION LIMIT (µG/KG)
BPA	< 25	50

MOSH - MOAH

SIMULANTS AND TEST CONDITIONS

- Food simulant: Ethanol 95%
- Conditions: 10d. at 40°C
- S/V ratio of the test : 20 dm²/kg
- S/V ratio for the results: 6 dm²/kg

MIGRATION LIMITS

	MEAN MIGRATION	SPECIFIC MIGRATION
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	(MG/KG OF SIMULANT)	LIMIT (MG/KG)
Mineral oil saturated: MOSH/POSH	C10:C16 < 0,1 C16:C20 < 0,1 C20:C25 0,14 C25:C35 0,39 C35:C40 0,11 C40:C50 <0,1	0,5*
Mineral oil aromatics: MOAH	< 0,1	/

* Limit taken from the German draft proposal

DUAL-USE ADDITIVES

Dual use additives according to Eu VO 10/2011 are additives that are permitted for the production of plastic materials & articles and are simultaneously permitted as a food additive or flavor / color.

This material can contain the following dual use additives:

DUAL USE ADDITIVES	E-N°
Propaan-1,2-diol (Propeenglycol)	E1520
Ammonium Hydroxide	E527
Mono-diglycerides of fatty acid	E471
Synthetic silica	E551
Titanium dioxide	E171

VALIDITY

This statement is valid until 17.01.2023

DISCLAIMER

This declaration is only valid under the following conditions:

- The product is used in normal intended conditions and purposes (use).
- No changes and / or substances (intentional, non-intentional and / or through use) are applied to the product and / or added that the nature and composition (a degeneration and / or a denaturation) of the product could be affected.
- The product may only be used for the foods, contact times and contact temperatures stated in this declaration.

Limiting factors:

- Our products are only suitable for single use. When re-used, mechanical and / or other properties are changed, the food suitability is not guaranteed and is not covered by this document.
- Our products are not suitable for packaging food for infants.

It is the sole responsibility of the user to check and test whether the product is suitable for its intended use, the shelf life of the food, the compatibility between the food and the product.

It is the sole responsibility of the user to test whether the product does not alter the organoleptic properties and / or composition of the food.

The information stated in this statement was provided by the supplier of the relevant product(s).

Signature + stamp:

Steven VAN HUMBEECK
CEO

