Karolla.com
Producent kubków papierowych

Declaration of Compliance

1. The name and address of the business operator issuing the Declaration of Compliance

KAROLLA Karolina Narolska
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39-400 Tarnobrzeg

2. Data identifying materials, products, products from intermediate stages of their manufacture or substances intended for the manufacture of these materials and articles:

Paper cup white unprint and with print, made of clean and printed with Ecobarrier.
The paper is made of virgin fibres

3. We declare that our products: PAPER CUPS WHITE UNPRINT AND WITH PRINT comply with the following regulations and directives:

a) *Regulation (EC) No 1935/2004 on materials and articles intended to come into contact with food*
b) *Commission Regulation (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food*
c) *European Parliament and Council Directive 94/62/EC on packing and packing waste*
d) *BfR Recommendation XXXVI. Paper and board for food contact*
e) *FDA 21CFR 176/170*
f) *EuPIA requirements - guidelines for printing inks intended for printing on packaging which with the unprinted side, are in direct contact with food.*
g) *EN 13432*
h) *The Canadian standard CAN/BNQ 0017-088*
i) *The international standard ISO 18606*

4. Volatile solids content

The total solids content (TS), the moisture content, the volatile solids content (VS) on total solids and the ash content on total solids of the test item are shown in Table 1. EN 13432 (2000), CAN/BNQ 0017-088 (2010) and ISO 18606 (2013) prescribe a minimum volatile solids content of 50% on TS. **THE PAPER CUP UNPRINT AND WITH PRINT WITH ECOBARRIER** *with a volatile solids content of 89.0% on TS easily fulfills this requirement.*

Characteristics	Paper cup with Ecobarrier
Total solid (TS,%)	95,1
Moisture content (%)	4,9
Volatile solids (VS, % on TS)	89,0
Ash content (% on TS)	11,0

Source: OWS nv Gent BELGIA

5. The paper:

In order to obtain high chemical and microbiological purity, virgin fibers were used for the production of cardboard.The pulp and paper production process follows an established technology that uses recognized chemicals.

Paper meets the requirements of Recommendation BfR XXXVI, paper and cardboard.

The analyzes were performed on the represented cardboard samples.

6. Heavy metals and fluorine

The heavy metals content and the fluorine content of **PAPER CUP WITH ECOBARRIER FROM KAROLLA** are given in Table 2, together with the limit values as prescribed by EN 13432 (2000), ASTM *D6868 (2017) and CAN/BNQ 0017-088 (2010). All values lay well below the maximum levels as prescribed by the standards.*

Heavy metals	Paper cup with Ecobabrier	EN13432	ASTM D6868	Test method
Zn	16.0	<150	<1400	DIN EN ISO 17294-2
Cu	<1	<50	<750	DIN EN ISO 17294-2
Ni	1.4	<25	<210	DIN EN ISO 17294-2
Cd	<0.1	<0.5	<19.5	DIN EN ISO 17294-2
Pb	2.1	<50	<150	DIN EN ISO 17294-2
Hg	<0.1	<0.5	<8.5	DIN EN ISO 17294-2
Cr	2.7	<50	-	DIN EN ISO 17294-2
Mo	<1	<1	-	DIN EN ISO 17294-2
Se	<0.75	<0.75	<50	DIN EN ISO 17294-2
As	<1	<5	<20.5	DIN EN ISO 17294-2
Co	<1	-	-	DIN EN ISO 17294-2

Source: OWS nv Gent BELGIA

PAPER CUP WITH ECOBARRIER FROM KAROLLA *fulfills the requirements on material characteristics (volatile solids, heavy metals and fluorine) as defined by EN 13432 (2000), ASTM D6868 (2017), CAN/BNQ 0017-088 (2010) and ISO 18606 (2013).*

8. High temperature migration

Suitability for high temperature applications has been tested by applying the test method EN 1186-13:2002. The test performed according to this method showed that it is below 10 mg / dm2 of cardboard.
These migration results apply **PAPER CUP UNPRINT AND WITH PRINT** *and functional barrier is recommended at high temperature applications. Please be aware it is the end user's responsibility to ensure the suitability of the food contact article in the intended conditions of use.*

9. **Requirements for the use of the material or product:**

- ***The type or types of food with which the material or article is intended to come into contact:***

  The cups can be used as a disposable vessel for all kinds of hot and cold drinks.

  Tightness test of the cup at an angle of 45 *

- ***Time and temperature of processing and storage in contact with food:***

  They can be used as a packaging for storing food at room temperature or lower, including contact with food up to 70 ° C for no longer than 15 minutes. or to 95 ° C for no more than 10 minutes.

  Correctly placed lid on the cup should have the mouthpiece (OS) on the opposite side of the seal.

- ***Ratio of food contact surface area to volume used to establish compliance of a material or article:***

  1,88 dm2/250 ml

10. **Recyclability and compostable**

According to the certificate issued by Papiertechnische Stiftung (PTS) Heidenau Germany, **PAPER CUP WITH ECOBARRIER FROM KAROLLA** *can be recycled.*

According to the certificate DINCERTO NF T51-800:2015 it is stated that **PAPER CUP WITH ECOBARRIER FROM KAROLLA** *are qualified as compostable*.

11. **If a functional barrier is used in a multi-layer material or product - confirmation that the material or product complies with the requirements of Art. 13 sec. 2, 3 and 4 or article. 14 sec. 2 and 3 Regulation (EU) 10/2011:**

not applicable

12. **Packing**

*The cups should be kept in a foil pouch to protect against contamination, away from the devices radiating heat, in a dry room, sheltered from weather conditions and direct light solar radiation at a temperature of 5 to 35 * C and a maximum humidity of 70%. The optimal use-by date is 1 year from the production date.*

The declaration was issued on the basis of the results of the product tests and on the basis of declarations of producers of raw materials and materials used for production.

The declaration shall be renewed if the composition or manufacturing process has significant changes entailing changes in the level of migration from the materials or articles, or if new scientific data become available..