

Lebensmittelrechtliche Konformitätserklärung

Für unseren Artikel:

Hot Drink Cup 4oz (Espresso) "Coffeetime"

mit der folgenden Artikel-Nummer:

480131

Hiermit bestätigen wir auf der Grundlage der uns vorliegenden Lebensmittelunbedenklichkeitserklärung des Produzenten, dass die von uns oben genannten Artikel für den Kontakt mit Lebensmitteln geeignet sind und den dafür vorgesehenen Gesetzen sowie Richtlinien entsprechen.

Zum eigenen Schutz unserer Lieferquellen sind Vorlieferant und Untersuchungslabor sowie dritte beteiligte Personen unkenntlich gemacht. Die uns vorliegende Originalerklärung kann den zuständigen Behörden auf Verlangen zur Verfügung gestellt werden.

Lebensmittelunbedenklichkeitserklärung des Lieferanten:

ANFANG LEBENSMITTELUNBEDENKLICHKEITSERKLÄRUNG DES LIEFERANTEN

Declaration OF Compliance

- Hereby we confirm that our products:

Paper Cups made from paper with PE coating

Complies with the legal regulations laid down in German Commodity Ordinance (or the respective stipulations laid down in the European Regulations on Plastic materials) as well as Regulation(EC)No.1935/2004, 10/2011 and 2023/2006, all in their relevant versions.

When used as specified, the overall migrations as well as the specific migration do not exceed the legal limits. The test was performed according to the Directive EU regulation 10/2011.

The materials and raw materials used comply with the German Commodity Ordinance or the respective stipulations laid down in the European Regulation (EC) No. 1935/2004,

Specification of the intended use or limitations:

- Type(s) of food intended to come into contact with the material:

Coffee, Water, Juice, Tea, Milk

- Duration and temperature of treatment and storage while in contact with the food: 10 days at 70°C, tested.

- Ratio of the area of the food contact material to the volume used to determine the compliance of the plastic food contact material or article 6 dm²

Because a functional barrier made from plastic is used in the above mentioned product.

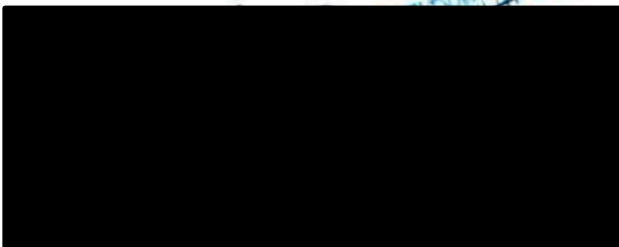
Traceability of the product is ensured according to Regulation (EC) No. 1935/2004. via the number of the roll in conjunction with the date of production.

Dual use additives in plastic layer

The substance used in the coating plastic does not contain any dual use additives.

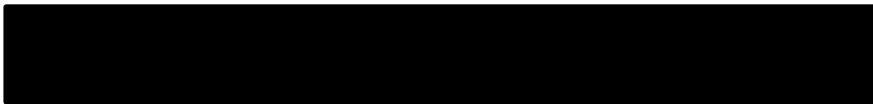
This declaration is valid for the product delivered by us as specified above. The selection of test conditions to be used for various food products. According to that the under consideration of the food contact conditions stated. The product complies with the stipulations of these Directives regarding the packaging of food products to be packed. The user shall verify himself that the product is suitable for the intended food to be packed beyond the stipulations of the Directives. In particular it is emphasized that in case of printed material. No contact is allowed between the printing ink and the food production.

On behalf of



(signature and stamp)

2023/6/9



The following sample(s) was/were submitted and identified on behalf of the clients as : paper cups

Job No. : SP20-015236 - SH

Date of Sample Received : 27 May 2020
Testing Period : 27 May 2020 - 15 Jun 2020
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Result Summary :

| Test Requested | Conclusion |
|--|-------------|
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation-Overall migration | PASS |
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Sensorial examination odour and taste test | PASS |
| Specific migration of phthalate | See Results |
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation-Specific migration of heavy metal | PASS |
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Extractable heavy metals | PASS |
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Extractable primary aromatic amine | PASS |
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation-Polycyclic Aromatic Hydrocarbons (PAHs) | PASS |



Test Results :

Test Part Description :

| Specimen No. | Sample ID | Description | Material (claimed by the client) |
|--------------|------------------|--------------------------------------|-------------------------------------|
| SN1 | SHA20-090249.001 | Transparent PE film (inside) | PE |
| SN2 | SHA20-090249.002 | White paper | PAPER |
| SN3 | SHA20-090249.003 | White paper with transparent PE film | PAPER+PE |

Remarks :

- (1) mg/dm² = milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C= degree Celsius
- (4) < = less than
- (5) MDL = Method Detection Limit
- (6) ND = Not Detected (< MDL)

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation-Overall migration

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods;
EN1186-9:2002 aqueous food simulants by article filling method;

| <u>Simulant Used</u> | <u>Time</u> | <u>Temperature</u> | <u>Max. Permissible Limit</u> | <u>Result of 001 Overall migration</u> | <u>Conclusion</u> |
|--|-------------|--------------------|-----------------------------------|--|-------------------|
| 3% Acetic acid (W/V) aqueous solution | 2.0hr(s) | 70°C | 10mg/dm ² | <3.0mg/dm ² | PASS |
| 50% Ethanol (V/V) aqueous solution | 2.0hr(s) | 70°C | 10mg/dm ² | <3.0mg/dm ² | PASS |

Notes :

- (1) Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg.
- (2) Test condition & simulant were specified by client.
- (3) Report the first migration result.

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Sensorial examination odour and taste test

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Test Method : With reference to DIN 10955:2004
 Test media: Distilled water
 No. of panelist: 6 .

| <u>Test Item(s)</u> | <u>Limit</u> | <u>001</u> |
|---|--------------|-------------|
| Test time (hr(s)) | - | 0.5 |
| Temperature(°C) | - | 70 |
| Sensorial examination odour (Point scale) | 2.5 | 0 |
| Sensorial examination taste (Point scale) | 2.5 | 0 |
| Conclusion | | PASS |

Notes :

Scale evaluation:
 0 – no perceptible difference
 1 – just perceptible difference
 2 – slight difference
 3 – marked difference
 4 – strong difference

Specific migration of phthalate

Test Method : With reference to EN13130-1:2004, analysis was performed by GC-MS.

Sample 001

Simulant Used : 95% Ethanol
 Test Condition : 60 °C 0.5 hr(s)

| <u>Test Item(s)</u> | <u>CAS NO.</u> | <u>Unit</u> | <u>MDL</u> | <u>Test result</u> |
|---|----------------|---------------------|------------|--------------------|
| Migration times | | - | - | First |
| Area/volume | | dm ² /kg | - | 6.0 |
| Dibutyl Phthalate(DBP) | 84-74-2 | mg/kg | 0.05 | ND |
| Benzylbutyl Phthalate(BBP) | 85-68-7 | mg/kg | 0.05 | ND |
| Bis(2-ethylhexyl) Phthalate(DEHP) | 117-81-7 | mg/kg | 0.05 | ND |
| Diisononyl phthalate + Diisodecyl phthalate (DINP + DIDP) | - | mg/kg | 0.2 | ND |
| Diallyl Phthalate (DAP) | 131-17-9 | mg/kg | 0.01 | ND |

Notes :

Test condition & simulant were specified by client

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation-Specific migration of heavy metal

Test Method : With reference to EN13130-1:2004, analysis was performed by ICP-OES.

Sample 001

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 70 °C 0.5 hr(s)

| <u>Test Item(s)</u> | <u>Max. Permissible Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>Test result</u> |
|---------------------|-----------------------------------|---------------------|------------|--------------------|
| Migration times | - | - | - | First |
| Area/volume | - | dm ² /kg | - | 6.0 |
| Aluminium(Al) | 1 | mg/kg | 0.1 | ND |
| Barium(Ba) | 1 | mg/kg | 0.25 | ND |
| Cobalt(Co) | 0.05 | mg/kg | 0.01 | ND |
| Copper(Cu) | 5 | mg/kg | 0.25 | ND |
| Iron(Fe) | 48 | mg/kg | 0.25 | ND |
| Lithium(Li) | 0.6 | mg/kg | 0.5 | ND |
| Manganese(Mn) | 0.6 | mg/kg | 0.25 | ND |
| Zinc(Zn) | 5 | mg/kg | 0.5 | ND |
| Nickel(Ni) | 0.02 | mg/kg | 0.02 | ND |
| Conclusion | | | | PASS |

Notes :

(1) Test condition & simulant were specified by client.

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Extractable heavy metals

Test Method : With reference to EN 647:1993 (hot water extraction), analysis was performed by UV-Vis and ICP-MS.

| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>002</u> |
|----------------------------|--------------|--------------------|------------|-------------|
| Extractable lead | 10 | µg/L | 5 | ND |
| Extractable cadmium | 5 | µg/L | 2 | ND |
| Extractable Aluminum | 1000 | µg/L | 100 | 202.00 |
| Extractable chromium (III) | 0.004 | mg/dm ² | 0.004 | ND |
| Extractable chromium (VI) | ★ | mg/dm ² | 0.004 | ND |
| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>002</u> |
| Conclusion | | | | PASS |

Notes :

(1) ★= Absent

(2) Permissible Limit is according to BfR Recommendation XXXVI.

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Extractable primary aromatic amine

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Test Method : With reference to EN 647:1993 (hot water extraction) and BfR Recommendation XXI, analysis was performed by UV-Vis.

| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>002</u> |
|------------------------------------|--------------|-------------|------------|-------------|
| Extractable primary aromatic amine | 0.002 | mg/kg | 0.002 | ND |
| Conclusion | | | | PASS |

Notes :

(1) Test condition & simulant were specified by client.

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation-Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method : With reference to AfPS GS 2014:01 PAK, analysis was performed by GC-MS.

| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>003</u> |
|---|--------------|-------------|------------|------------|
| Sum of 18 PAHs | 1 | mg/kg | - | ND |
| Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene | 1 | mg/kg | - | ND |
| Naphthalene(NAP) | 1 | mg/kg | 0.1 | ND |
| Acenaphthylene(ANY) | - | mg/kg | 0.1 | ND |
| Acenaphthene(ANA) | - | mg/kg | 0.1 | ND |
| Fluorene(FLU) | - | mg/kg | 0.1 | ND |
| Phenanthrene(PHE) | - | mg/kg | 0.1 | ND |
| Anthracene(ANT) | - | mg/kg | 0.1 | ND |
| Fluoranthene(FLT) | - | mg/kg | 0.1 | ND |
| Pyrene(PYR) | - | mg/kg | 0.1 | ND |
| Benzo(a)anthracene(BaA) | 0.2 | mg/kg | 0.1 | ND |

| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>003</u> |
|---|--------------|-------------|------------|-------------|
| Chrysene(CHR) | 0.2 | mg/kg | 0.1 | ND |
| Benzo(b)fluoranthene(BbF) and Benzo(j)fluoranthene(BjF) | 0.2 | mg/kg | 0.1 | ND |
| Benzo(k)fluoranthene(BkF) | 0.2 | mg/kg | 0.1 | ND |
| Benzo(a)pyrene(BaP) | 0.2 | mg/kg | 0.1 | ND |
| Benzo(e)pyrene(BeP) | 0.2 | mg/kg | 0.1 | ND |
| Indeno(1,2,3-c,d)pyrene(IPY) | 0.2 | mg/kg | 0.1 | ND |
| Dibenzo(a,h)anthracene(DBA) | 0.2 | mg/kg | 0.1 | ND |
| Benzo(g,h,i)perylene(BPE) | 0.2 | mg/kg | 0.1 | ND |
| Conclusion | | | | PASS |

Sample photo:



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ENDE LEBENSMITTELUNBEDENKLICHKEITSERKLÄRUNG DES LIEFERANTEN

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Göttingen, den 09.06.2023

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