

FIRST PERSON LTD
FIRST PERSON LTD (T/A ECOFFEE CUP), SUITE D, BOURNE HOUSE, PRINCE EDWARD
STREET, BERKHAMSTED, HP4 3EZ, United Kingdom

Sample Description : ECOFFEE CUP 2.1

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Jan 18, 2021
Test Performing Date : Jan 18, 2021 to Jan 27, 2021
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Xiamen Branch

Beck



Beck Hong
Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Center Hardlines

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Part 1: SGS Ref No. is CANHG2101205601. This test was subcontracted to Guangzhou Branch, SGS-CSTC Co., Ltd.

Result Summary :

Test Requested

Conclusion

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and Commission Regulation (EU) No 284/2011 of 22 March 2011 and BfR recommendation –Specific migration of Formaldehyde

See Results

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN21-012056.001	Beige mug	Guar gum + wood fiber + corn starch+ melamine

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments,
(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and Commission Regulation (EU) No 284/2011 of 22 March 2011 and BfR recommendation –Specific migration of Formaldehyde

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

Sample 001

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 0.5hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific Migration of Formaldehyde	-	mg/kg	1.5	ND



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Sample 001

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	2nd
Area/Volume	-	dm ² /kg	-	6.0
Specific Migration of Formaldehyde	-	mg/kg	1.5	ND

Sample 001

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	6.0
Specific Migration of Formaldehyde	15	mg/kg	1.5	ND

Stability

YES

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND = Not Detected(less than MDL)
- 5..A summary of discussions about the use of ground plant powder (e.g. from bamboo, rice or maize) as non-authorized additives in a polymer matrix of a plastic food contact material was published by the Expert Working Group on Food Contact Materials of the Standing Committee on Plants, Animals, Food and Feed on 23. June 2020. According to the conclusion the resulting food contact material containing such plant powders is a plastic and the use of unauthorized additives are not in compliance with the compositional requirements set out in Regulation (EU) 10/2011 when placed on the EU market. This is independent from any conclusions derived from migration test results.

Remark:Test condition & simulant were specified by client.



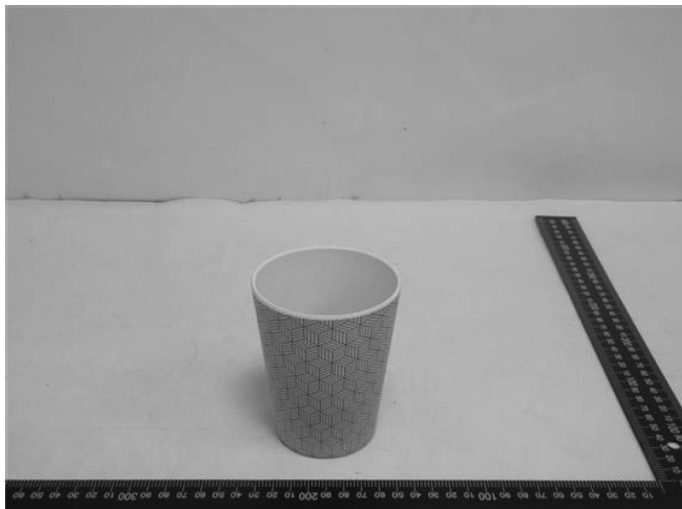
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Sample photo(s):



CANHG2101205601

CAN21-012056.001



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Part 2:

I. Microwave Oven Test

- Test Method : As per the client's requirement
- Test Sample : 4 Pieces
- Control Sample : 1 Piece
- Type of sample (X)mugs, cups, bowls, pitchers, and teapots; ()dessert plates and saucers
()dinner plates and serving platters; () Other
- Test Procedure :
1. Visually inspect samples and record any cosmetic defects.
 2. **For mugs, cups, bowls, pitchers, and teapots:** Fill samples two-thirds (2/3) full with cold water and place on the turntable in the microwave oven. Shut the microwave oven door.
 3. **For dessert plates and saucers:** Place one-half (1/2) cup of cold cooked macaroni mixed with one tablespoon cooking oil on the dessert plate or saucer and place on the turntable in the microwave oven. Shut the microwave oven door.
 4. **For dinner plates and serving platters:** Place one (1) cup of cold cooked macaroni mixed with one tablespoon cooking oil on the dinner plate or serving platter and place on the turntable in the microwave oven. Shut the microwave oven door.
 5. Set the microwave to 800 watt output and run for 5 minutes.
 6. Record any cracking, chipping, crazing, breakage, discoloration, deformation, or warping of product.
 7. After 5 minutes remove product from microwave and immediately measure and record surface temperature with IR thermometer or thermocouple.
 - A. Measure temperature of mugs on top portion of handle.
 - B. Measure plate or bowl temperatures near top rim of plate or bowl (at a normal hand contact point).
 - C. All samples must have the surface temperatures measured and recorded within 1 minute after the oven has stopped heating. Only one sample should be removed from the oven



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at a time.

D. Only measure the surface temperature of the items after the first 5-minute cycle.

8. Let samples sit at room temperature for 5 minutes.
9. If necessary, add cold water to cups, mugs, bowls and pitchers to ensure that they are two-thirds (2/3) full of water.
10. Replace hot macaroni on plates, saucers, and serving platters with cold macaroni.
11. Remove each sample from the microwave oven and visually examine at the end of each cycle for total of five (5) cycles.
12. Compare test samples to the untested standard. Record any cracking, chipping, crazing, breakage, discoloration, deformation, or warping of product after five (5) complete microwave cycles.

Test Requirement

- : The product fails the microwave test if:
1. If the surface temperature of the samples is greater than 140°F (60°C) after the first 5 minutes (1st cycle).
 2. When compared to the standard, any of the tested samples show signs of cracking, chipping, crazing, breakage, discoloration, deformation, or warping during or after 5 complete microwave cycles.

Test Result

- : **Pass**
1. The maximum surface temperature of the sample which after the first 5 minutes (1st cycle): 135.14 °F (57.3 °C)
 2. No visible change.



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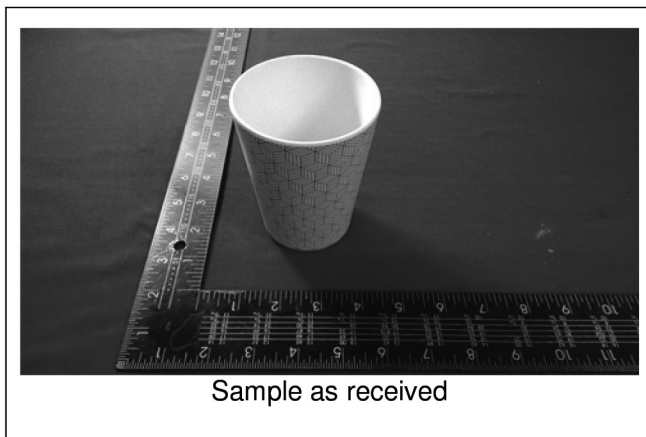
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II. Dishwasher Safety Test

Test Method	: As per the client's requirement
Test Sample	: 4 Pieces
Control Sample	: 1 Piece
Test Procedure	: <ol style="list-style-type: none"> 1) Visually inspect the samples and record any cosmetic defects; 2) Put the samples in the dishwasher; 3) Fill the dishwasher soap holder with the powder detergent, close and lock the dishwasher as recommended in the operating instructions; 4) Run the dishwasher for five (5) cycles with 140°F (60°C) water at "normal setting" for housewares. Each cycle includes soaking, washing and drying; 5) Remove and visually examine each sample.
Test Requirement	: Pass means no cracking, chipping, crazing, breaking, discoloration, disluster, deformation or warping was found on the tested sample.
Test Result	: Pass

Remark: The content of part 2 is extracted from the test report number XMHL2101000001CW.

Sample photo(s):



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Part 3: SGS Ref No. is CANHG2100084401. This test was subcontracted to Guangzhou Branch, SGS-CSTC Co., Ltd.

Result Summary :

Test Requested	Conclusion
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments—Sensorial examination odour and taste test	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation—Specific migration of Melamine	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation—Specific Migration of Primary Aromatic Amine(total)	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation— Overall migration	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation—Specific Migration of Heavy Metal	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation—Lead and Cadmium	PASS
Verification for label claim validity - Bisphenol A free by Total Content of Bisphenol A	PASS
Polycyclic Aromatic Hydrocarbons (PAHs)	PASS



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN21-000844.001	Beige mug	Guar gum + wood fiber + corn starch + melamine

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments—
Sensorial examination odour and taste test

Test Method : With reference to DIN10955:2004,direct contact method.
 No.of panelist:6

Test Item(s)	Limit	001
Test media	-	Distilled water
Test Temperature (°C)	-	70
Test time (hr)	-	2
Sensorial examination odour (Point scale)	2.5	1.0
Sensorial examination taste (Point scale)	2.5	1.0
Comment		PASS

Notes :

Intensity scale (rounded at 0.5):

- 0 – no perceptible difference
- 1 – just perceptible difference
- 2 – slight difference
- 3 – marked difference
- 4 – strong difference

Remark:A summary of discussions about the use of ground plant powder (e.g. from bamboo, rice or maize) as non-authorized additives in a polymer matrix of a plastic food contact material was published by the Expert Working Group on Food Contact Materials of the Standing Committee on Plants, Animals, Food and Feed on 23. June 2020. According to the conclusion the resulting food contact material containing such plant powders is a plastic and the use of unauthorized additives are not in compliance with the compositional requirements set out in Regulation (EU) 10/2011 when placed on the EU market. This is independent from any conclusions derived from migration test results.



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

Sample 001

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of Melamine	-	mg/kg	2.0	ND

Sample 001

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	2nd
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of Melamine	-	mg/kg	2.0	ND

Sample 001

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of Melamine	2.5	mg/kg	2.0	ND

Stability

YES

Comment

PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius



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3. MDL=Method Detection Limit

4. ND = Not Detected(less than MDL)

5.A summary of discussions about the use of ground plant powder (e.g. from bamboo, rice or maize) as non-authorized additives in a polymer matrix of a plastic food contact material was published by the Expert Working Group on Food Contact Materials of the Standing Committee on Plants, Animals, Food and Feed on 23. June 2020. According to the conclusion the resulting food contact material containing such plant powders is a plastic and the use of unauthorized additives are not in compliance with the compositional requirements set out in Regulation (EU) 10/2011 when placed on the EU market. This is independent from any conclusions derived from migration test results.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments,(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation – Specific Migration of Primary Aromatic Amine(total)

Test Method : With reference to EN 13130-1:2004 and BfR Recommendation XXI,analysis was performed by

UV-Vis.

Sample 001

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of primary aromatic amine	-	mg/kg	0.002	ND

Sample 001

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	2nd
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of primary aromatic amine	-	mg/kg	0.002	ND

Sample 001



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Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of primary aromatic amine	0.01	mg/kg	0.002	ND
Stability				YES
Comment				PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND = Not Detected(less than MDL)
5. A summary of discussions about the use of ground plant powder (e.g. from bamboo, rice or maize) as non-authorized additives in a polymer matrix of a plastic food contact material was published by the Expert Working Group on Food Contact Materials of the Standing Committee on Plants, Animals, Food and Feed on 23. June 2020. According to the conclusion the resulting food contact material containing such plant powders is a plastic and the use of unauthorized additives are not in compliance with the compositional requirements set out in Regulation (EU) 10/2011 when placed on the EU market. This is independent from any conclusions derived from migration test results.



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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;
or EN 1186-9:2002 aqueous food simulants by article filling method;
or EN 1186-14:2002 substitute test.

Sample 001

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution
Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
First Migration	-	mg/dm ²	3.0	<3.0
Second Migration	-	mg/dm ²	3.0	<3.0
Third Migration	10.0	mg/dm ²	3.0	<3.0
Stability				YES
Comment				PASS

Sample 001

Simulant Used : 10% Ethanol (V/V) Aqueous Solution
Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
First Migration	-	mg/dm ²	3.0	<3.0
Second Migration	-	mg/dm ²	3.0	<3.0
Third Migration	10.0	mg/dm ²	3.0	<3.0
Stability				YES
Comment				PASS



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Sample 001

Simulant Used : 95% Ethanol

Test Condition : 60°C 2.0hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
First Migration	-	mg/dm ²	3.0	11.9
Second Migration	-	mg/dm ²	3.0	<3.0
Third Migration	10.0	mg/dm ²	3.0	<3.0
Stability				YES

Comment

PASS

Sample 001

Simulant Used : Isooctane

Test Condition : 40°C 0.5hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
First Migration	-	mg/dm ²	3.0	<3.0
Second Migration	-	mg/dm ²	3.0	<3.0
Third Migration	10.0	mg/dm ²	3.0	<3.0
Stability				YES
Comment				PASS

Notes :

1. mg/dm² = milligram per square decimeter
mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. Analytical tolerance of aqueous simulants is 2mg/dm² or 12mg/kg
4. Analytical tolerance of fatty food simulants is 3mg/dm² or 20mg/kg
5. A summary of discussions about the use of ground plant powder (e.g. from bamboo, rice or maize) as non-authorized additives in a polymer matrix of a plastic food contact material was published by the Expert Working Group on Food Contact Materials of the Standing Committee on Plants, Animals, Food and Feed on 23. June 2020. According to the conclusion the resulting food contact material containing such plant powders is a plastic and the use of unauthorized additives are not in compliance with the



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compositional requirements set out in Regulation (EU) 10/2011 when placed on the EU market. This is independent from any conclusions derived from migration test results.

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

Sample 001

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Chromium (Cr)	-	mg/kg	0.01	ND
Arsenic (As)	-	mg/kg	0.01	ND
Cadmium (Cd)	-	mg/kg	0.002	ND
Mercury (Hg)	-	mg/kg	0.01	ND
Lead (Pb)	-	mg/kg	0.01	ND
Lithium (Li)	-	mg/kg	0.5	ND
Aluminum (Al)	-	mg/kg	0.1	ND
Manganese (Mn)	-	mg/kg	0.25	ND
Iron (Fe)	-	mg/kg	0.25	ND
Cobalt (Co)	-	mg/kg	0.01	ND
Nickel (Ni)	-	mg/kg	0.01	ND
Copper (Cu)	-	mg/kg	0.25	ND
Zinc (Zn)	-	mg/kg	0.5	ND
Antimony (Sb)	-	mg/kg	0.01	ND
Barium (Ba)	-	mg/kg	0.25	ND
Lanthanum (La)	-	mg/kg	0.01	ND
Europium (Eu)	-	mg/kg	0.01	ND
Gadolinium (Gd)	-	mg/kg	0.01	ND
Terbium (Tb)	-	mg/kg	0.01	ND
Lanthanum (La)+ Europium (Eu)+ Gadolinium (Gd)+	-	mg/kg	-	ND



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Terbium(Tb)

Sample 001

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	2nd
Area/Volume	-	dm ² /kg	-	6.0
Chromium (Cr)	-	mg/kg	0.01	ND
Arsenic (As)	-	mg/kg	0.01	ND
Cadmium (Cd)	-	mg/kg	0.002	ND
Mercury (Hg)	-	mg/kg	0.01	ND
Lead (Pb)	-	mg/kg	0.01	ND
Lithium (Li)	-	mg/kg	0.5	ND
Aluminum (Al)	-	mg/kg	0.1	ND
Manganese (Mn)	-	mg/kg	0.25	ND
Iron (Fe)	-	mg/kg	0.25	ND
Cobalt (Co)	-	mg/kg	0.01	ND
Nickel (Ni)	-	mg/kg	0.01	ND
Copper (Cu)	-	mg/kg	0.25	ND
Zinc (Zn)	-	mg/kg	0.5	ND
Antimony (Sb)	-	mg/kg	0.01	ND
Barium (Ba)	-	mg/kg	0.25	ND
Lanthanum (La)	-	mg/kg	0.01	ND
Europium (Eu)	-	mg/kg	0.01	ND
Gadolinium (Gd)	-	mg/kg	0.01	ND
Terbium (Tb)	-	mg/kg	0.01	ND
Lanthanum (La)+ Europium (Eu)+ Gadolinium (Gd)+	-	mg/kg	-	ND

Terbium(Tb)



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Sample 001

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	6.0
Chromium (Cr)	ND	mg/kg	0.01	ND
Arsenic (As)	ND	mg/kg	0.01	ND
Cadmium (Cd)	ND	mg/kg	0.002	ND
Mercury (Hg)	ND	mg/kg	0.01	ND
Lead (Pb)	ND	mg/kg	0.01	ND
Lithium (Li)	0.6	mg/kg	0.5	ND
Aluminum (Al)	1	mg/kg	0.1	ND
Manganese (Mn)	0.6	mg/kg	0.25	ND
Iron (Fe)	48	mg/kg	0.25	ND
Cobalt (Co)	0.05	mg/kg	0.01	ND
Nickel (Ni)	0.02	mg/kg	0.01	ND
Copper (Cu)	5	mg/kg	0.25	ND
Zinc (Zn)	5	mg/kg	0.5	ND
Antimony (Sb)	0.04	mg/kg	0.01	ND
Barium (Ba)	1	mg/kg	0.25	ND
Lanthanum (La)	-	mg/kg	0.01	ND
Europium (Eu)	-	mg/kg	0.01	ND
Gadolinium (Gd)	-	mg/kg	0.01	ND
Terbium (Tb)	-	mg/kg	0.01	ND
Lanthanum (La)+ Europium (Eu)+ Gadolinium (Gd)+ Terbium(Tb)	0.05	mg/kg	-	ND
Stability				YES
Comment				PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND = Not Detected(less than MDL)
5. A summary of discussions about the use of ground plant powder (e.g. from bamboo, rice or maize) as non-authorized additives in a polymer matrix of a plastic food contact material was published by the Expert Working Group on Food Contact Materials of the Standing Committee on Plants, Animals, Food and Feed on 23. June 2020. According to the conclusion the resulting food contact material containing



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European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation—Lead and Cadmium

Test Method : Microwave digestion (GZTC CHEM-TOP-004-01) , analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Cadmium (Cd)	★	mg/kg	2	ND
Comment				PASS
Lead (Pb)	★	mg/kg	2	ND
Comment				PASS

Notes :

1. mg/kg = milligram per kilogram of sample
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)
4. ★= Absent

Verification for label claim validity - Bisphenol A free by Total Content of Bisphenol A

Test Method : With reference to Part II Section D2 of Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents, JETRO, Japan External Trade Organization, 2009 (Dichloromethane extraction by ultrasonic bath). Analysis was performed by HPLC-MS

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Total content of Bisphenol A	mg/kg	0.1	ND
Comment			PASS

Notes :

1. mg/kg = milligram per kilogram
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)



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Polycyclic Aromatic Hydrocarbons (PAHs)

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

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
Sum of 18 PAHs	-	1.0	mg/kg	-	ND

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
Sum of 7 PAHs Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	1.0	mg/kg	-	ND
Naphthalene(NAP)	91-20-3	1.0	mg/kg	0.1	ND
Acenaphthylene(ANY)	208-96-8	-	mg/kg	0.1	ND
Acenaphthene(ANA)	83-32-9	-	mg/kg	0.1	ND
Fluorene(FLU)	86-73-7	-	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	-	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	-	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	-	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	-	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	0.2	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	0.2	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	0.2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	0.2	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	0.2	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	0.2	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	0.2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	0.2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	0.2	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	0.2	mg/kg	0.1	ND

Comment

PASS

Notes :

1. mg/kg = milligram per kilogram of sample
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)

Remark : The content of this part is extracted from the test report number XMHL2101000001CW.

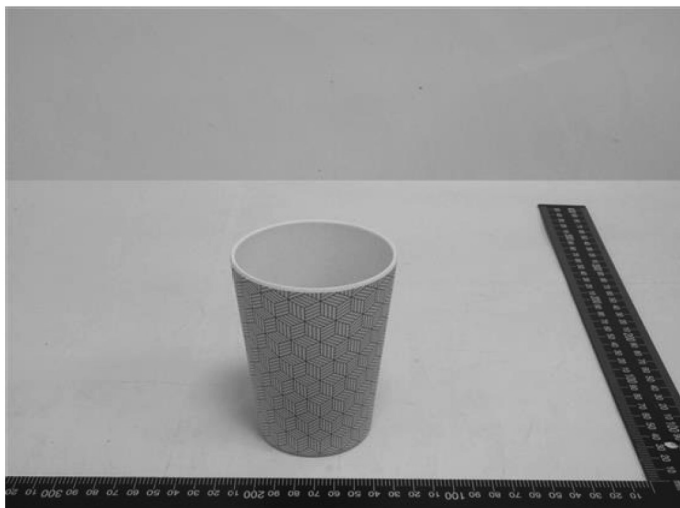


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Sample photo(s):



CANHG2100084401

CAN21-000844.001

End of Report



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