

Test Report Page 1 of 7 Date: 12 Jul 2022

Sample Name: PCR PP

Model No.: 000604

The above sample(s) and information were provided by the client.

Date of Sample Received: 02 Jun 2022

Testing Period: 02 Jun 2022 - 12 Jul 2022

Test Requested: Selected test(s) as requested by the client.

Test Method(s): Please refer to next page(s). Test Result(s): Please refer to next page(s).

Result Summary:

Test Requested	Conclusion
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004–Sensorial examination odour and taste test	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004,(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation– Overall migration	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation –Specific Migration of Heavy Metal	PASS

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

Kim Cai Approved Signatory





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Test Result(s):

<u>Test Part Description:</u>

Specimen No. Description Material

(claimed by the client)

PP SN₁ Lt-green plastic sheet

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004–Sensorial examination odour and taste test

Test Method: With reference to DIN10955:2004, direct contact method.

No.of panelist:6

Test Item(s)	<u>Limit</u>	<u>001</u>
Test media	-	Distilled water
Test Temperature (°C)	-	40
Test time (hr)	-	240
Sensorial examination odour (Point scale)	2.5	0.0
Sensorial examination taste (Point scale)	2.5	0.0
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

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004,(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation – 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;

or EN 1186-3:2002 aqueous food simulants by total immersion method;

or EN 1186-14:2002 substitute test.

Sample 001

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

Test Condition: 40 °C 240.0 hr(s)



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Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
	<u>Limit</u>			
Area/Volume	-	dm²/kg	-	10
First Migration	-	mg/dm²	3.0	<3.0
Second Migration	-	mg/dm²	3.0	<3.0
Third Migration	10.0	mg/dm²	3.0	<3.0
Stability				YES
Comment				PASS

Sample 001

Simulant Used: 10% Ethanol (V/V) Aqueous Solution

40 °C 240.0 hr(s) Test Condition:

Test Item(s)	Max. Permissible	<u>Unit</u>	MDL	Test result
	<u>Limit</u>			
Area/Volume	-	dm²/kg	-	10
First Migration	-	mg/dm²	3.0	<3.0
Second Migration	-	mg/dm²	3.0	<3.0
Third Migration	10.0	mg/dm²	3.0	<3.0
Stability				YES
Comment				PASS

Sample 001

Simulant Used: 95% Ethanol Test Condition: 40 °C 240.0 hr(s)

Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
	<u>Limit</u>			
Area/Volume	-	dm²/kg	-	10
First Migration	-	mg/dm²	3.0	<3.0
Second Migration	-	mg/dm²	3.0	<3.0
Third Migration	10.0	mg/dm²	3.0	<3.0
Stability				YES
Comment				PASS

Sample 001

Simulant Used: Isooctane

Test Condition: 20 °C 48.0 hr(s)



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Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
	<u>Limit</u>			
Area/Volume	-	dm²/kg	-	10
First Migration	-	mg/dm²	3.0	<3.0
Second Migration	-	mg/dm²	3.0	<3.0
Third Migration	10.0	mg/dm²	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

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation - Specific Migration of Heavy Metal

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

Sample 001

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

Test Condition: 40 °C 240.0 hr(s)

Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
	<u>Limit</u>			
Migration times	-	-	-	1st
Area/Volume	-	dm²/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)	-	mg/kg	0.1	ND
Aluminum (Al)	-	mg/kg	0.1	ND
Manganese (Mn)	-	mg/kg	0.1	ND
Iron (Fe)	-	mg/kg	5	ND
Cobalt (Co)	-	mg/kg	0.01	ND
Nickel (Ni)	-	mg/kg	0.01	ND



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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	0.025	ND
Europium (Eu)	-	mg/kg	0.025	ND
Gadolinium (Gd)	-	mg/kg	0.025	ND
Terbium (Tb)	-	mg/kg	0.025	ND
Lanthanum (La)+ Europium (Eu)+ Gadolinium (Gd)+ Terbium(Tb)	-	mg/kg	-	ND

Sample 001

Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
	<u>Limit</u>			
Migration times	-	-	-	2nd
Area/Volume	-	dm²/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	0.1	ND
Aluminum (Al)	-	mg/kg	0.1	ND
Manganese (Mn)	-	mg/kg	0.1	ND
Iron (Fe)	-	mg/kg	5	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	0.025	ND
Europium (Eu)	-	mg/kg	0.025	ND
Gadolinium (Gd)	-	mg/kg	0.025	ND
Terbium (Tb)	-	mg/kg	0.025	ND
Lanthanum (La)+ Europium (Eu)+ Gadolinium (Gd)+ Terbium(Tb)	-	mg/kg	-	ND

Sample 001



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Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
Migration times	<u>Limit</u>			Ord
Migration times	-	- dua2/lea	-	3rd
Area/Volume	- ND	dm²/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	0.1	ND
Aluminum (AI)	1	mg/kg	0.1	ND
Manganese (Mn)	0.6	mg/kg	0.1	ND
Iron (Fe)	48	mg/kg	5	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	0.025	ND
Europium (Eu)	-	mg/kg	0.025	ND
Gadolinium (Gd)	-	mg/kg	0.025	ND
Terbium (Tb)	-	mg/kg	0.025	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)

Remark: For repeated use, compliance of the material or article is verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test. For substances which limit is "Not Detected", the compliance is based on the first migration test result if it is detected.

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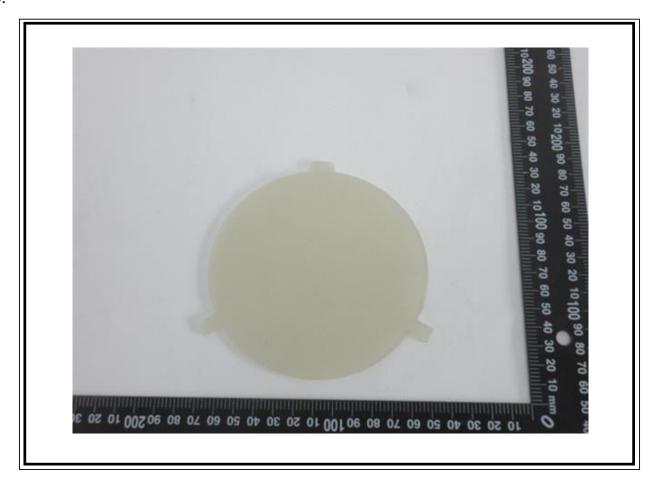
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