

# Test Report

No. CANEC2307371701

Date: 30 Jun 2023

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Client Name : SHENZHEN HENGCHANGTAI TECHNOLOGY CO., LTD.

Client Address : ROOM 1209-10,ZHAOFENGXIANG BUSINESS BUILDING DONGFANG LIYE ROAD, SONGGANG SUBDISTRICT BAOAN DISTRICT,SHENZHEN

Sample Name : BPP(Biodegradation PP)

Model No. : JJ2100(+)

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

SGS Job No. : CP23-022100 - SZ

Date of Sample Received : 24 May 2023

Testing Period : 24 May 2023 - 30 Jun 2023

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-Specific migration of primary aromatic amine	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**

Kim Cai  
Approved Signatory

scan to see the report



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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN23-073717.001	Beige translucent plastic sheet	PP

**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 DIN10955:2023,direct contact method.  
No.of panelist:6

<u>Test Item(s)</u>	<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
<b>Comment</b>		<b>PASS</b>

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-Specific migration of primary aromatic amine**

Test Method : With reference to EN 13130-1:2004,analysis was performed by LC-MS-MS.

**Sample 001**

Simulant Used : 3% Acetic acid (W/V)  
Test Condition : 40 °C 240.0 hr(s)

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
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Migration times	-	-	-	1st	
Area/Volume	-	dm <sup>2</sup> /kg	-	6.0	
o-Anisidine(o-ASD)	90-04-0	-	mg/kg	0.002	ND
Benzidine (BNZ)	92-87-5	-	mg/kg	0.002	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	-	mg/kg	0.002	ND
4,4'-Methylenedianiline(4,4'-MDA)	101-77-9	-	mg/kg	0.002	ND
4,4'-Diaminodiphenylether(4,4'-DPE)	101-80-4	-	mg/kg	0.002	ND
4-Chloro-Aniline(4-CA)	106-47-8	-	mg/kg	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	-	mg/kg	0.002	ND
3,3'-Dimethylbenzidine(3,3'-DMB)	119-93-7	-	mg/kg	0.002	ND
2-Methoxy-5-Methylaniline(2-M-5-MA)	120-71-8	-	mg/kg	0.002	ND
2,4,5-Trimethylaniline(2,4,5-TMA)	137-17-7	-	mg/kg	0.002	ND
4,4'-thiodianiline	139-65-1	-	mg/kg	0.002	ND
4-amino azobenzene	60-09-3	-	mg/kg	0.002	ND
4-Methoxy-mphenylenediamine(4-M-mPDA)	615-05-4	-	mg/kg	0.002	ND
4,4'-Methylenedi-o-toluidine(4,4'-MDoT)	838-88-0	-	mg/kg	0.002	ND
2-naphthylamine	91-59-8	-	mg/kg	0.002	ND
3,3'-dichlorobenzidine	91-94-1	-	mg/kg	0.002	ND
4-Aminobiphenyl (4-ABP)	92-67-1	-	mg/kg	0.002	ND
o-Toluidine(o-T)	95-53-4	-	mg/kg	0.002	ND
4-Chloro-o-Toluidine(4-CoT)	95-69-2	-	mg/kg	0.002	ND
2,4-Toluediamine(2,4-TDA)	95-80-7	-	mg/kg	0.002	ND
o-aminoazotoluene	97-56-3	-	mg/kg	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	-	mg/kg	0.002	ND
1,3-phenylenediamine	108-45-2	-	mg/kg	0.002	ND
1,3-Diiminoisindoline	3468-11-9	-	mg/kg	0.010	ND
3-Anisidine	536-90-3	-	mg/kg	0.002	ND
2-Amino-1-naphthalinesulfonic acid	81-16-3	-	mg/kg	0.005	ND
2-Ethoxyaniline	94-70-2	-	mg/kg	0.005	ND
5-Chloro-2-methoxyaniline	95-03-4	-	mg/kg	0.005	ND
2-Chloraniline	95-51-2	-	mg/kg	0.010	ND
4-Toluidine	106-49-0	-	mg/kg	0.002	ND
1,4-Phenylenediamine	106-50-3	-	mg/kg	0.002	ND
3-Chloroaniline	108-42-9	-	mg/kg	0.010	ND
3-Toluidine	108-44-1	-	mg/kg	0.002	ND

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3-Amino-4-methoxybenzanilide	120-35-4	-	mg/kg	0.002	ND
2-Chloro-4-nitroaniline	121-87-9	-	mg/kg	0.005	ND
4-Chlor-3-methoxyaniline	13726-14-2	-	mg/kg	0.005	ND
4-Ethoxyaniline	156-43-4	-	mg/kg	0.002	ND
3-Amino-4-methylbenzamide	19406-86-1	-	mg/kg	0.002	ND
1,5-Diaminonaphthalene	2243-62-1	-	mg/kg	0.002	ND
4-Aminobenzamide	2835-68-9	-	mg/kg	0.005	ND
Aniline	62-53-3	-	mg/kg	0.002	ND
4-Chlor-2,5-dimethoxyaniline	6358-64-1	-	mg/kg	0.005	ND
2,4,5-Trichloroaniline	636-30-6	-	mg/kg	0.010	ND
5-Amino-6-methylbenzimidazolone	67014-36-2	-	mg/kg	0.005	ND
2,6- Diaminotoluene	823-40-5	-	mg/kg	0.002	ND
2,6-Dimethylaniline (2,6-DMA)	87-62-7	-	mg/kg	0.002	ND
4-Aminotoluene-3-sulfonic acid	88-44-8	-	mg/kg	0.005	ND
1,2-Phenylendiamine	95-54-5	-	mg/kg	0.002	ND
2,4-Dimethylaniline (2,4-DMA)	95-68-1	-	mg/kg	0.002	ND
5-Chloro-2-methylaniline	95-79-4	-	mg/kg	0.005	ND
2,5-Dichloroaniline	95-82-9	-	mg/kg	0.010	ND
2,4-Dinitroaniline	97-02-9	-	mg/kg	0.005	ND
2-Methoxy-4-nitroaniline	97-52-9	-	mg/kg	0.005	ND
p-Anisidine	104-94-9	-	mg/kg	0.002	ND
Dimethyl aminoterephthalate	5372-81-6	-	mg/kg	0.002	ND
3,4-dichloroaniline	95-76-1	-	mg/kg	0.002	ND
1-Naphthylamine	134-32-7	-	mg/kg	0.002	ND
2-Aminobiphenyl	90-41-5	-	mg/kg	0.002	ND
Butyl Anthranilate	7756-96-9	-	mg/kg	0.002	ND
2,4-Diaminodiphenylmethane	1208-52-2	-	mg/kg	0.002	ND
2-Amino-5-methylbenzoic acid	2941-78-8	-	mg/kg	0.002	ND
Total		-	mg/kg	-	ND

### Sample 001

Test Item(s)	CAS NO.	Max. Permissible Limit	Unit	MDL	Test result
Migration times		-	-	-	2nd
Area/Volume		-	dm <sup>2</sup> /kg	-	6.0
o-Anisidine(o-ASD)	90-04-0	-	mg/kg	0.002	ND
Benzidine (BNZ)	92-87-5	-	mg/kg	0.002	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	-	mg/kg	0.002	ND



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4,4'-Methylenedianiline(4,4'-MDA)	101-77-9	-	mg/kg	0.002	ND
4,4'-Diaminodiphenylether(4,4'-DPE)	101-80-4	-	mg/kg	0.002	ND
4-Chloro-Aniline(4-CA)	106-47-8	-	mg/kg	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	-	mg/kg	0.002	ND
3,3'-Dimethylbenzidine(3,3'-DMB)	119-93-7	-	mg/kg	0.002	ND
2-Methoxy-5-Methylaniline(2-M-5-MA)	120-71-8	-	mg/kg	0.002	ND
2,4,5-Trimethylaniline(2,4,5-TMA)	137-17-7	-	mg/kg	0.002	ND
4,4'-thiodianiline	139-65-1	-	mg/kg	0.002	ND
4-amino azobenzene	60-09-3	-	mg/kg	0.002	ND
4-Methoxy-mphenylenediamine(4-M-mPDA)	615-05-4	-	mg/kg	0.002	ND
4,4'-Methylenedi-o-toluidine(4,4'-MDoT)	838-88-0	-	mg/kg	0.002	ND
2-naphthylamine	91-59-8	-	mg/kg	0.002	ND
3,3'-dichlorobenzidine	91-94-1	-	mg/kg	0.002	ND
4-Aminobiphenyl (4-ABP)	92-67-1	-	mg/kg	0.002	ND
o-Toluidine(o-T)	95-53-4	-	mg/kg	0.002	ND
4-Chloro-o-Toluidine(4-CoT)	95-69-2	-	mg/kg	0.002	ND
2,4-Toluenediamine(2,4-TDA)	95-80-7	-	mg/kg	0.002	ND
o-aminoazotoluene	97-56-3	-	mg/kg	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	-	mg/kg	0.002	ND
1,3-phenylenediamine	108-45-2	-	mg/kg	0.002	ND
1,3-Diiminoisindoline	3468-11-9	-	mg/kg	0.010	ND
3-Anisidine	536-90-3	-	mg/kg	0.002	ND
2-Amino-1-naphthalinesulfonic acid	81-16-3	-	mg/kg	0.005	ND
2-Ethoxyaniline	94-70-2	-	mg/kg	0.005	ND
5-Chloro-2-methoxyaniline	95-03-4	-	mg/kg	0.005	ND
2-Chloroaniline	95-51-2	-	mg/kg	0.010	ND
4-Toluidine	106-49-0	-	mg/kg	0.002	ND
1,4-Phenylenediamine	106-50-3	-	mg/kg	0.002	ND
3-Chloroaniline	108-42-9	-	mg/kg	0.010	ND
3-Toluidine	108-44-1	-	mg/kg	0.002	ND
3-Amino-4-methoxybenzanilide	120-35-4	-	mg/kg	0.002	ND
2-Chloro-4-nitroaniline	121-87-9	-	mg/kg	0.005	ND
4-Chlor-3-methoxyaniline	13726-14-2	-	mg/kg	0.005	ND
4-Ethoxyaniline	156-43-4	-	mg/kg	0.002	ND
3-Amino-4-methylbenzamide	19406-86-1	-	mg/kg	0.002	ND
1,5-Diaminonaphthalene	2243-62-1	-	mg/kg	0.002	ND



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4-Aminobenzamide	2835-68-9	-	mg/kg	0.005	ND
Aniline	62-53-3	-	mg/kg	0.002	ND
4-Chlor-2,5-dimethoxyaniline	6358-64-1	-	mg/kg	0.005	ND
2,4,5-Trichloroaniline	636-30-6	-	mg/kg	0.010	ND
5-Amino-6-methylbenzimidazolone	67014-36-2	-	mg/kg	0.005	ND
2,6- Diaminotoluene	823-40-5	-	mg/kg	0.002	ND
2,6-Dimethylaniline (2,6-DMA)	87-62-7	-	mg/kg	0.002	ND
4-Aminotoluene-3-sulfonic acid	88-44-8	-	mg/kg	0.005	ND
1,2-Phenylendiamine	95-54-5	-	mg/kg	0.002	ND
2,4-Dimethylaniline (2,4-DMA)	95-68-1	-	mg/kg	0.002	ND
5-Chloro-2-methylaniline	95-79-4	-	mg/kg	0.005	ND
2,5-Dichloroaniline	95-82-9	-	mg/kg	0.010	ND
2,4-Dinitroaniline	97-02-9	-	mg/kg	0.005	ND
2-Methoxy-4-nitroaniline	97-52-9	-	mg/kg	0.005	ND
p-Anisidine	104-94-9	-	mg/kg	0.002	ND
Dimethyl aminoterephthalate	5372-81-6	-	mg/kg	0.002	ND
3,4-dichloroaniline	95-76-1	-	mg/kg	0.002	ND
1-Naphthylamine	134-32-7	-	mg/kg	0.002	ND
2-Aminobiphenyl	90-41-5	-	mg/kg	0.002	ND
Butyl Anthranilate	7756-96-9	-	mg/kg	0.002	ND
2,4-Diaminodiphenylmethane	1208-52-2	-	mg/kg	0.002	ND
2-Amino-5-methylbenzoic acid	2941-78-8	-	mg/kg	0.002	ND
Total		-	mg/kg	-	ND

### Sample 001

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times		-	-	-	3rd
Area/Volume		-	dm <sup>2</sup> /kg	-	6.0
o-Anisidine(o-ASD)	90-04-0	ND	mg/kg	0.002	ND
Benzidine (BNZ)	92-87-5	ND	mg/kg	0.002	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	mg/kg	0.002	ND
4,4'-Methylenedianiline(4,4'-MDA)	101-77-9	ND	mg/kg	0.002	ND
4,4'-Diaminodiphenylether(4,4'-DPE)	101-80-4	ND	mg/kg	0.002	ND
4-Chloro-Aniline(4-CA)	106-47-8	ND	mg/kg	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	mg/kg	0.002	ND
3,3'-Dimethylbenzidine(3,3'-DMB)	119-93-7	ND	mg/kg	0.002	ND



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2-Methoxy-5-Methylaniline(2-M-5-MA)	120-71-8	ND	mg/kg	0.002	ND
2,4,5-Trimethylaniline(2,4,5-TMA)	137-17-7	ND	mg/kg	0.002	ND
4,4'-thiodianiline	139-65-1	ND	mg/kg	0.002	ND
4-amino azobenzene	60-09-3	ND	mg/kg	0.002	ND
4-Methoxy-mphenylenediamine(4-M-mPDA)	615-05-4	ND	mg/kg	0.002	ND
4,4'-Methylenedi-o-toluidine(4,4'-M DoT)	838-88-0	ND	mg/kg	0.002	ND
2-naphthylamine	91-59-8	ND	mg/kg	0.002	ND
3,3'-dichlorobenzidine	91-94-1	ND	mg/kg	0.002	ND
4-Aminobiphenyl (4-ABP)	92-67-1	ND	mg/kg	0.002	ND
o-Toluidine(o-T)	95-53-4	ND	mg/kg	0.002	ND
4-Chloro-o-Toluidine(4-CoT)	95-69-2	ND	mg/kg	0.002	ND
2,4-Toluenediamine(2,4-TDA)	95-80-7	ND	mg/kg	0.002	ND
o-aminoazotoluene	97-56-3	ND	mg/kg	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	ND	mg/kg	0.002	ND
1,3-phenylenediamine	108-45-2	ND	mg/kg	0.002	ND
1,3-Diiminoisindoline	3468-11-9	-	mg/kg	0.010	ND
3-Anisidine	536-90-3	-	mg/kg	0.002	ND
2-Amino-1-naphthalinesulfonic acid	81-16-3	-	mg/kg	0.005	ND
2-Ethoxyaniline	94-70-2	-	mg/kg	0.005	ND
5-Chloro-2-methoxyaniline	95-03-4	-	mg/kg	0.005	ND
2-Chloraniline	95-51-2	-	mg/kg	0.010	ND
4-Toluidine	106-49-0	-	mg/kg	0.002	ND
1,4-Phenylenediamine	106-50-3	-	mg/kg	0.002	ND
3-Chloroaniline	108-42-9	-	mg/kg	0.010	ND
3-Toluidine	108-44-1	-	mg/kg	0.002	ND
3-Amino-4-methoxybenzanilide	120-35-4	-	mg/kg	0.002	ND
2-Chloro-4-nitroaniline	121-87-9	-	mg/kg	0.005	ND
4-Chlor-3-methoxyaniline	13726-14-2	-	mg/kg	0.005	ND
4-Ethoxyaniline	156-43-4	-	mg/kg	0.002	ND
3-Amino-4-methylbenzamide	19406-86-1	-	mg/kg	0.002	ND
1,5-Diaminonaphthalene	2243-62-1	-	mg/kg	0.002	ND
4-Aminobenzamide	2835-68-9	-	mg/kg	0.005	ND
Aniline	62-53-3	-	mg/kg	0.002	ND
4-Chlor-2,5-dimethoxyaniline	6358-64-1	-	mg/kg	0.005	ND
2,4,5-Trichloroaniline	636-30-6	-	mg/kg	0.010	ND
5-Amino-6-methylbenzimidazolone	67014-36-2	-	mg/kg	0.005	ND

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2,6- Diaminotoluene	823-40-5	-	mg/kg	0.002	ND
2,6-Dimethylaniline (2,6-DMA)	87-62-7	-	mg/kg	0.002	ND
4-Aminotoluene-3-sulfonic acid	88-44-8	-	mg/kg	0.005	ND
1,2-Phenylendiamine	95-54-5	-	mg/kg	0.002	ND
2,4-Dimethylaniline (2,4-DMA)	95-68-1	-	mg/kg	0.002	ND
5-Chloro-2-methylaniline	95-79-4	-	mg/kg	0.005	ND
2,5-Dichloroaniline	95-82-9	-	mg/kg	0.010	ND
2,4-Dinitroaniline	97-02-9	-	mg/kg	0.005	ND
2-Methoxy-4-nitroaniline	97-52-9	-	mg/kg	0.005	ND
p-Anisidine	104-94-9	-	mg/kg	0.002	ND
Dimethyl aminoterephthalate	5372-81-6	-	mg/kg	0.002	ND
3,4-dichloroaniline	95-76-1	-	mg/kg	0.002	ND
1-Naphthylamine	134-32-7	-	mg/kg	0.002	ND
2-Aminobiphenyl	90-41-5	-	mg/kg	0.002	ND
Butyl Anthranilate	7756-96-9	-	mg/kg	0.002	ND
2,4-Diaminodiphenylmethane	1208-52-2	-	mg/kg	0.002	ND
2-Amino-5-methylbenzoic acid	2941-78-8	-	mg/kg	0.002	ND
Total		0.01	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)

### 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 1186-3:2022 Test methods for overall migration in evaporable simulants;

### Sample 001

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

Test Condition : 40 °C 240.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
	<u>Limit</u>			
Area/Volume	-	dm <sup>2</sup> /kg	-	10



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First Migration	-	mg/dm <sup>2</sup>	3.0	<3.0
Second Migration	-	mg/dm <sup>2</sup>	3.0	<3.0
Third Migration	10.0	mg/dm <sup>2</sup>	3.0	<3.0
<b>Stability</b>				<b>YES</b>
<b>Comment</b>				<b>PASS</b>

### Sample 001

Simulant Used : 50% Ethanol (V/V)  
 Test Condition : 40 °C 240.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Area/Volume	-	dm <sup>2</sup> /kg	-	10
First Migration	-	mg/dm <sup>2</sup>	3.0	<3.0
Second Migration	-	mg/dm <sup>2</sup>	3.0	<3.0
Third Migration	10.0	mg/dm <sup>2</sup>	3.0	<3.0
<b>Stability</b>				<b>YES</b>
<b>Comment</b>				<b>PASS</b>

### Sample 001

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

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Area/Volume	-	dm <sup>2</sup> /kg	-	10
First Migration	-	mg/dm <sup>2</sup>	3.0	<3.0
Second Migration	-	mg/dm <sup>2</sup>	3.0	<3.0
Third Migration	10.0	mg/dm <sup>2</sup>	3.0	<3.0
<b>Stability</b>				<b>YES</b>
<b>Comment</b>				<b>PASS</b>

### Sample 001

Simulant Used : Isooctane  
 Test Condition : 20 °C 48.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Area/Volume	-	dm <sup>2</sup> /kg	-	10



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First Migration	-	mg/dm <sup>2</sup>	3.0	<3.0
Second Migration	-	mg/dm <sup>2</sup>	3.0	<3.0
Third Migration	10.0	mg/dm <sup>2</sup>	3.0	<3.0
<b>Stability</b>				<b>YES</b>
<b>Comment</b>				<b>PASS</b>

Notes :

- 1.mg/dm<sup>2</sup> = milligram per square decimeter  
mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
- 3.Analytical tolerance of evaporable simulants is 2 mg/dm<sup>2</sup> or 12 mg/kg.
- 4.Analytical tolerance of olive oil simulant is 3 mg/dm<sup>2</sup> or 20 mg/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)

Test Condition : 40 °C 240.0 hr(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 <sup>2</sup> /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
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



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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

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	2nd
Area/Volume	-	dm <sup>2</sup> /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

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm <sup>2</sup> /kg	-	6.0



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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 (Al)	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
<b>Stability</b>				<b>YES</b>
<b>Comment</b>				<b>PASS</b>

## Notes :

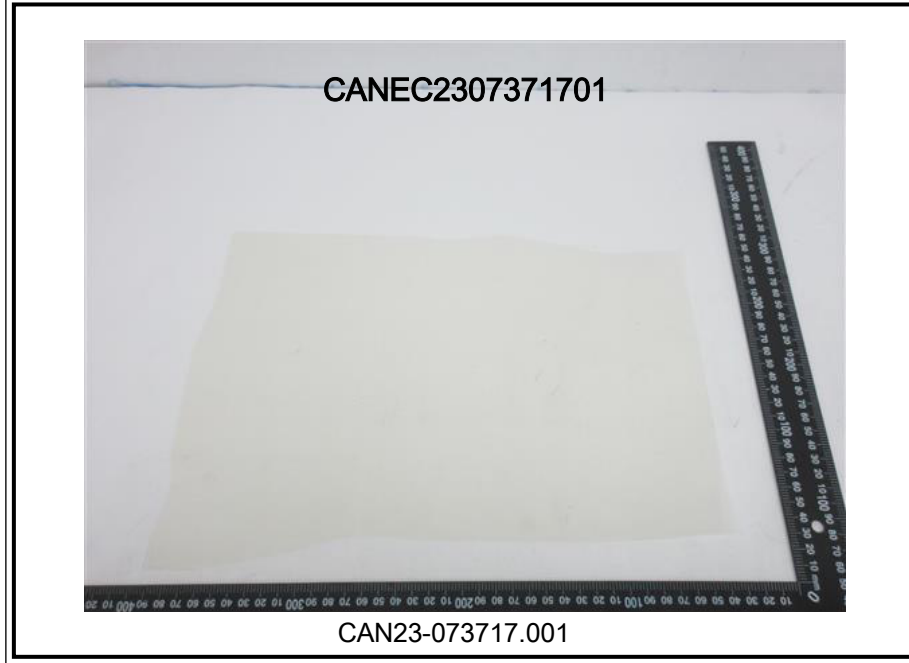
1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND = Not Detected(less than MDL)

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.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (  $w=0$ ) stated in ILAC-G8:09/2019.



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SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

