

## Test Report

No. CANEC2202960501

Date: 24 Mar 2022

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Client Name : ASIA SYMBOL(GUANGDONG) PAPER CO., LTD

Client Address : NO.1 RUIFENG INDUSTRY ZONE,SHALU VILLAGE,SHUANGSHUI TOWN,XINHUI DISTRICT,JIANGMEN CITY,GUANGDONG PROVINCE CHINA

Sample Name : Offset Paper

Model No. : 80g/m<sup>2</sup>

Client Ref. Info. : 50g/m<sup>2</sup>, 55g/m<sup>2</sup>, 58g/m<sup>2</sup>, 60g/m<sup>2</sup>, 65g/m<sup>2</sup>, 67g/m<sup>2</sup>, 68g/m<sup>2</sup>, 70g/m<sup>2</sup>, 72g/m<sup>2</sup>, 75g/m<sup>2</sup>, 78g/m<sup>2</sup>, 80g/m<sup>2</sup>, 85g/m<sup>2</sup>, 90g/m<sup>2</sup>, 95g/m<sup>2</sup>, 98g/m<sup>2</sup>, 100g/m<sup>2</sup>, 110g/m<sup>2</sup>, 115g/m<sup>2</sup>, 118g/m<sup>2</sup>, 120g/m<sup>2</sup>, 140g/m<sup>2</sup>

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

SGS Job No. : CP22-008173 - GZ

Date of Sample Received : 01 Mar 2022

Testing Period : 01 Mar 2022 - 24 Mar 2022

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
FDA 21 CFR 176.170–Chloroform-soluble extractive residues	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM- Fastness of fluorescent whitened paper and board	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM –Preserving effect	PASS
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, Paper and board used in food contact materials and articles, EDQM-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, Paper and board used in food contact materials and articles, EDQM-Specific migration of Lead	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM-Specific migration of bisphenol A	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM-Specific migration of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and chrysene	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM-4,4´-Bis(dimethyl-amino) benzophenone (Michler`s Ketone)	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM Specific migration of benzophenone, 2-methylbenzophenone, 3-methylbenzophenone and 4-methylbenzophenone	PASS



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

*Ivy Ren*

Ivy Ren  
Approved Signatory

scan to see the report



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN22-029605.001	White paper	Paper

**FDA 21 CFR 176.170–Chloroform-soluble extractive residues**

Test Method : With reference to US FDA 21 CFR 176.170.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001</u>	<u>Comment</u>
Distilled Water	24.0hr(s)	120°F	0.5mg/inch <sup>2</sup>	<0.2mg/inch <sup>2</sup>	PASS
n-Heptane	0.5hr(s)	70°F	0.5mg/inch <sup>2</sup>	<0.2mg/inch <sup>2</sup>	PASS
8% Ethanol	24.0hr(s)	120°F	0.5mg/inch <sup>2</sup>	<0.2mg/inch <sup>2</sup>	PASS
50% Ethanol	24.0hr(s)	120°F	0.5mg/inch <sup>2</sup>	<0.2mg/inch <sup>2</sup>	PASS

Notes :

mg/inch<sup>2</sup>= milligram per square inch

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM- Fastness of fluorescent whitened paper and board**

Test Method : With reference to EN 648:2018, analysis was performed by UV lamp.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001</u>	<u>Comment</u>
3% Acetic acid (W/V) aqueous solution	10min(s)	23±2°C	★	Grade 5	PASS
Rectified Olive Oil	10min(s)	23±2°C	★	Grade 5	PASS

Notes :

- ★=Grade 5.
- Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM –Preserving effect**

Test Method : With reference to EN 1104:2018.



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<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Aspergillus niger ATCC 6275	★	Absent
Bacillus subtilis ATCC 6633	★	Absent
<b>Comment</b>		<b>PASS</b>

Notes :

- 1.★= Absence of zone inhibition
- 2.Absent denotes absence of Antimicrobial constituents.  
Present denotes presence of Antimicrobial constituents .

**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

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Test media	-	Biscuit
Test Temperature (°C)	-	23
Test time (hr)	-	10min
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, Paper and board used in food contact materials and articles, EDQM-Specific migration of primary aromatic amine (total)**

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

**Sample 001**

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution  
Test Condition : 40 °C 0.5 hr(s)



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<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
Specific migration of primary aromatic amine	0.01	mg/kg	0.002	ND
<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)

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM-Specific migration of Lead**

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 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	-	-	-	1st
Area/Volume	-	dm <sup>2</sup> /kg	-	6.0
Lead (Pb)	ND	mg/kg	0.01	ND
<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)

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM-Specific migration of bisphenol A**

Test Method : With reference to EN15519:2007, analysis was performed by LC-MS-MS.  
95% Ethanol, 60 °C 2 hours



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<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Specific migration of bisphenol A	0.05	mg/kg	0.01	ND
<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)
5. The test was subcontracted to SGS Shanghai chemical lab.

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM-Specific migration of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and chrysene**

Test Method : With reference to EN 15519:2007, analysis was performed by GC-MS.  
95% Ethanol, 60 °C 2 hours

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Benzo(a)pyrene(BaP)	50-32-8	-	mg/kg	0.001	ND
Benzo(a)anthracene(BaA)	56-55-3	-	mg/kg	0.001	ND
Benzo(b)fluoranthene(BbF)	205-99-2	-	mg/kg	0.001	ND
Chrysene(CHR)	218-01-9	-	mg/kg	0.001	ND
Sum of above	-	0.001	mg/kg	-	ND
<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)
5. The test was subcontracted to SGS Shanghai chemical lab.

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM-4,4'-Bis(dimethyl-amino) benzophenone (Michler's Ketone)**

Test Method : With reference to EN15519:2007, analysis was performed by GC-MS.  
95% Ethanol, 60 °C 2 hours

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
4,4'-Bis(dimethyl-amino) benzophenone	ND	mg/kg	0.01	ND



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Test Item(s) Comment	Limit	Unit	MDL	001 PASS
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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. The test was subcontracted to SGS Shanghai chemical lab.

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Paper and board used in food contact materials and articles, EDQM Specific migration of benzophenone, 2-methylbenzophenone, 3-methylbenzophenone and 4-methylbenzophenone**

Test Method : With reference to EN 15519:2007, analysis was performed by GC-MS.  
95% Ethanol, 60 °C 2 hours

Test Item(s)	Limit	Unit	MDL	001
2-methylbenzophenone	-	mg/kg	0.01	ND
3-methylbenzophenone	-	mg/kg	0.01	ND
4-methylbenzophenone	-	mg/kg	0.01	ND
Sum of 3 items above	0.05	mg/kg	-	ND
Benzophenone	-	mg/kg	0.01	ND
Sum of 4 items above	0.6	mg/kg	-	ND
<b>Comment</b>				<b>PASS</b>

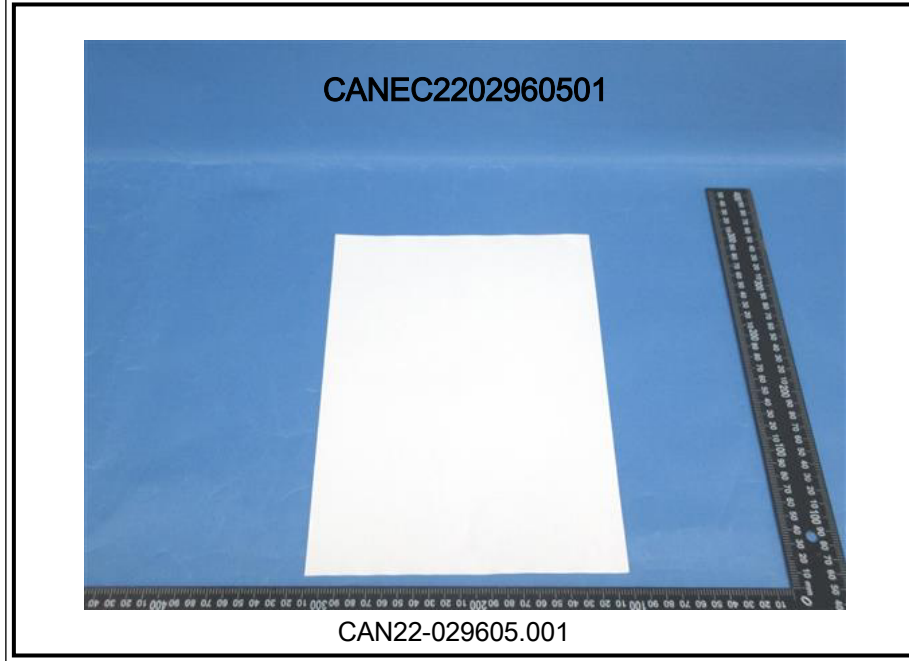
Notes :

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)
5. The test was subcontracted to SGS Shanghai chemical lab.





Sample photo:



SGS authenticate the photo on original report only

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