

Test Report

No. TSNML2300594301

Date: 31 Mar 2023

Page 1 of 8

Client Name : WUXI JIEJING PACKING CO., LTD.

Client Address : JING DA RD, XIBEI TOWN, XISHAN DISTRICT, WUXI CITY, JIANGSU PROVINCE, CHINA.

Sample Name : Paper Gelato Spoon
 Manufacturer : WUXI JIEJING PACKING CO., LTD.
 Lot No. : 7069
 Specification : 95mm
 The above sample(s) and information were provided by the client.

SGS Job No. : TJIN2303000349PL(SUZIN2303000648PL01) - TJ
 Date of Sample Received : 14 Mar 2023
 Testing Period : 14 Mar 2023 - 28 Mar 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).



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Test Report

No. TSNML2300594301

Date: 31 Mar 2023

Page 2 of 8

Result Summary :

Test Requested	Conclusion
Paper and board used in food contact materials and articles, EDQM-Fastness of fluorescent whitened paper and board	PASS
Paper and board used in food contact materials and articles, EDQM-Overall migration	PASS
Paper and board used in food contact materials and articles, EDQM-Sensorial examination odour and taste test	PASS
Paper and board used in food contact materials and articles, EDQM-Specific migration of primary aromatic amine (total)	PASS
Paper and board used in food contact materials and articles, EDQM-Specific migration of Lead	PASS
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
Paper and board used in food contact materials and articles, EDQM-Specific migration of phthalates	PASS
Paper and board used in food contact materials and articles, EDQM-Specific migration of bisphenol A(BPA)	PASS
Paper and board used in food contact materials and articles, EDQM-Specific migration of benzophenone, 2-methylbenzophenone, 3-methylbenzophenone and 4-methylbenzophenone	PASS
Paper and board used in food contact materials and articles, EDQM-4,4'-Bis(dimethyl-amino) benzophenone (Michler's Ketone)	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.

Aimy Wang

Aimy Wang
Approved Signatory

scan to see the report



TSNML2300594301



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Test Report

No. TSNML2300594301

Date: 31 Mar 2023

Page 3 of 8

Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	TSN23-005943.001	white paper spoon	PAPER

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)

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.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001</u>	<u>Conclusion</u>
Deionized Water	10 mins	23±2°C	Grade 5	Grade 5	PASS
3% Acetic Acid (W/V)	10 mins	23±2°C	Grade 5	Grade 5	PASS
Rectified Olive Oil	10 mins	23±2°C	Grade 5	Grade 5	PASS

Notes :

- (1) Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.
- (2) The test was subcontracted to SGS Shanghai chemical lab.

Paper and board used in food contact materials and articles, EDQM-Overall migration

Test Method : With reference to EN1186-1:2002 for selection of conditions and test method;
EN 1186-13: 2002 Method B -adsorption by modified polyphenylene oxide.

<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>
Poly(2,6-diphenyl-p-phenylene oxide) (MPPO)	0.5hr(s)	5°C	10mg/dm ²	<3.0mg/dm ²	PASS
Area/Volume			-	6.0dm ² /kg	



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Test Report

No. TSNML2300594301

Date: 31 Mar 2023

Page 4 of 8

Notes :

- (1) Test condition & simulant were specified by client.
- (2) Report the first migration result.
- (3) The test was subcontracted to SGS Shanghai chemical lab.

Paper and board used in food contact materials and articles, EDQM-Sensorial examination odour and taste test

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
Test Temperature (°C)	-	5
Sensorial examination odour	2.5	0.0
Sensorial examination taste	2.5	0.0
Conclusion		PASS

Notes :

- (1) Scale evaluation:
 - 0 – no perceptible difference
 - 1 – just perceptible difference
 - 2 – slight difference
 - 3 – marked difference
 - 4 – strong difference
- (2) Standard sample: Distilled water
- (3) Method :Simple descriptive test

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)
 Test Condition : 5 °C 0.5 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
	<u>Limit</u>			
Migration times	-	-	-	First



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Test Report

No. TSNML2300594301

Date: 31 Mar 2023

Page 5 of 8

Area/volume	-	dm ² /kg	-	6.0
Specific migration of primary aromatic amine	0.01	mg/kg	0.002	ND
Conclusion				PASS

Notes :

- (1) Test condition & simulant were specified by client.
- (2) The test was subcontracted to SGS Shanghai chemical lab.

Paper and board used in food contact materials and articles, EDQM-Specific migration of Lead

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

Sample 001

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

Test Condition : 5 °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
Lead (Pb)	ND	mg/kg	0.01	ND
Conclusion				PASS

Notes :

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

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	-	ND	mg/kg	-	ND
Conclusion					PASS

Notes :



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Test Report

No. TSNML2300594301

Date: 31 Mar 2023

Page 6 of 8

(1) The test was subcontracted to SGS Shanghai chemical lab.

Paper and board used in food contact materials and articles, EDQM-Specific migration of phthalates

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

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
Di (2-ethylhexyl) Phthalate(DEHP)	117-81-7	1.5	mg/kg	0.05	ND
Dibutyl Phthalate(DBP)	84-74-2	-	mg/kg	0.05	ND
Diisobutyl Phthalate(DIBP)	84-69-5	-	mg/kg	0.05	ND
Dibutyl phthalate(DBP)+ Diisobutyl Phthalates (DIBP)	-	0.3	mg/kg	-	ND

Conclusion

PASS

Notes :

(1) The test was subcontracted to SGS Shanghai chemical lab.

Paper and board used in food contact materials and articles, EDQM-Specific migration of bisphenol A(BPA)

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

Test Item(s)	Limit	Unit	MDL	001
Specific migration of bisphenol A	0.05	mg/kg	0.01	ND

Conclusion

PASS

Notes :

(1) The test was subcontracted to SGS Shanghai chemical lab.

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



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Test Report

No. TSNML2300594301

Date: 31 Mar 2023

Page 7 of 8

Test Item(s)	Limit	Unit	MDL	001
Benzophenone	-	mg/kg	0.01	ND
Sum of 4 items above	0.6	mg/kg	-	ND
Conclusion	PASS			

Notes :

(1) The test was subcontracted to SGS Shanghai chemical lab.

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

Test Item(s)	Limit	Unit	MDL	001
4,4'-Bis(dimethyl-amino) benzophenone (Michler's Ketone)	ND	mg/kg	0.01	ND
Conclusion	PASS			

Notes :

(1) The test was subcontracted to SGS Shanghai chemical lab.

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Test Report

No. TSNML2300594301

Date: 31 Mar 2023

Page 8 of 8

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