

XIAMEN LVSHENG PAPER & PLASTIC PRODUCTS CO., LTD.
UNIT 101, 102, 301, 302, NO.23 XIANGHONG ROAD, XIANG'AN INDUSTRIAL ZONE, TORCH HIGH-TECH ZONE, XIAMEN, China

Sample Description : PAPER BOWL
Manufacturer : XIAMEN LVSHENG PAPER & PLASTIC PRODUCTS CO., LTD.
Country of Origin : China

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 : Apr 15, 2021
Test Performing Date : Apr 15, 2021 to May 06, 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 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 GZF21-009489-01. This test was subcontracted to Guangzhou Branch, SGS-CSTC Co., Ltd.

Sample Description :

Specimen No._	SGS Sample ID_	Description_
1_	GZF21-009489.001	Paper product_

Test Result(s) :

Test Requested : In accordance with Council of Europe Resolution AP (2002)1-on paper and board materials and

articles intended to come into contact with foodstuffs.

For material: Paper - Determination of transfer of antimicrobial constituents.

Test Method : EN 1104:2018: Paper and board intended to come into contact with foodstuffs-Determination of the transfer of antimicrobial constituents

GZF21-009489.001

Test organism(s)	Concentration of spores	Inhibition zone
Aspergillus niger ATCC 6275	1.0x 10 ⁵ conidia/mL Agar	0mm
Bacillus subtilis ATCC 6633	1.0x 10 ⁴ spores/mL Agar	0mm

Test organism(s)	Incubate time(days)	Result
Aspergillus niger ATCC 6275	5	No transfer of antimicrobial constituents
Bacillus subtilis ATCC 6633	3	No transfer of antimicrobial constituents



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Sample photo(s):



GZF21-009489.001



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Part 2: SGS Ref No. is CANHG2106375402. 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, Council of Europe Resolution AP (2002) 1-Colour Fastness	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Council of Europe Resolution AP (2002) 1-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—Sensorial examination odour and taste test	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Council of Europe Resolution AP (2002) 1—Specific migration of Benzophenone and 4-methylbenzophenone	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Council of Europe Resolution AP (2002) 1 –Pentachlorophenol (PCP) content	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Council of Europe Resolution AP (2002) 1 –Extractable heavy metals	PASS

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN21-063754.001	White paper cup w/ transparent plastic film	Paper

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Council of Europe Resolution AP (2002) 1-Colour Fastness

Test Method : With reference to EN 646:2018.

<u>Simulant Used</u>	<u>Time</u>	<u>Temp</u>	<u>Max. Permissible Limit</u>	<u>Result of 001</u>	<u>Comment</u>
Rectified olive oil	30min(s)	120±3℃	★	Grade 5	PASS



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Notes :

1. ★=Grade 5
2. 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, Council of Europe Resolution AP (2002) 1-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>
Rectified Olive Oil	30min(s)	120±3℃	★	Grade 5	PASS

Notes :

1. ★=Grade 5.
2. 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—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	-	Distilled water
Test Temperature (°C)	-	70
Test time (hr)	-	2
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



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Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Council of Europe Resolution AP (2002) 1–Specific migration of Benzophenone and 4-methylbenzophenone

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

Sample 001

Simulant Used : Rectified olive oil

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 Benzophenone	0.6	mg/kg	0.2	ND
Specific migration of 4-methylbenzophenone	0.2	mg/kg	0.2	ND

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, Council of Europe Resolution AP (2002) 1 –Pentachlorophenol (PCP) content

Test Method : With reference to ISO 17070:2015, analysis was performed by GC-ECD or GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Pentachlorophenol(PCP)	87-86-5	0.15	mg/kg	0.05	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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Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Council of Europe Resolution AP (2002) 1 –Extractable heavy metals

Test Method : With reference to EN647:1993 (hot water extraction), analysis was performed by ICP-MS.

Test Item(s)	Limit	Unit	MDL	001
Extractable Cadmium	0.002	mg/dm ²	0.001	ND
Extractable Mercury	0.002	mg/dm ²	0.001	ND
Extractable Lead	0.003	mg/dm ²	0.002	ND
Comment				PASS

Notes :

1. mg/dm²= milligram per square decimeter
2. MDL=Method Detection Limit
3. ND = Not Detected(less than MDL)

Sample photo(s):



CANHG2106375402
CAN21-063754.001



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Product photo – provide by client

End of Report





Test Report

No.: XMHL2104002083CW

Date: Apr 25, 2021

Page 1 of 3

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UNIT 101, 102, 301, 302, NO.23 XIANGHONG ROAD, XIANG'AN INDUSTRIAL ZONE, TORCH HIGH-TECH ZONE, XIAMEN,China

Sample Description : PAPER BOWL
Manufacturer : XIAMEN LVSHENG PAPER & PLASTIC PRODUCTS CO., LTD.
Country of Origin : CHINA

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SGS Ref No. : CANHG2106375401
Sample Receiving Date : Apr 15, 2021
Test Performing Date : Apr 15, 2021 to Apr 25, 2021
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

Test Requested

Conclusion

FDA 21 CFR 176.170–Chloroform-soluble extractive residues

PASS

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



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Authorized Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN21-063754.001	White paper cup w/ transparent plastic film	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	2.0hr(s)	150°F	0.5mg/inch ²	<0.2mg/inch ²	PASS
n-Heptane	0.5hr(s)	100°F	0.5mg/inch ²	<0.2mg/inch ²	PASS
8% Ethanol	2.0hr(s)	150°F	0.5mg/inch ²	<0.2mg/inch ²	PASS
50% Ethanol	2.0hr(s)	150°F	0.5mg/inch ²	<0.2mg/inch ²	PASS

Notes :

mg/inch²= milligram per square inch

Remark: This test was subcontracted to Guangzhou Branch, SGS-CSTC Co., Ltd.



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Sample photo(s):



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CAN21-063754.001



Product photo provided by client

End of Report

