

Test Report

No.: SHAHL23007639901

Date: Jun 25, 2023

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Client Name: ZHEJIANGGUANGHENEWMATERIALCO.,LTD

Client Address: 10 LONGYINROAD,CHENGNAN LNDUSTRIAL PARK, LONGYOU COUNTY, QUZHOU CITY, ZHEJIANG PROVINCE

Sample Description: SILICONE BAKING PAPER

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

SGS No.: SHHL2306026565CW

Sample Receiving Date: Jun 06, 2023

Testing Period: Jun 06, 2023 ~ Jun 25, 2023

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

Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Comment
1	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°1 (V02 – 01/04/2017) and (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation - Overall migration	Pass
2	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Sensorial examination odour and taste test	Pass
3	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Pentachlorophenol(PCP)	Pass
4	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Extractable heavy metals	Pass
5	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Fastness of fluorescent whitened paper and board	Pass
6	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Transfer of antimicrobial agents	Pass

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

Alicia Lu

Alicia Lu
Approved Signatory

scan to see the report



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	Test Requirement	Comment
7	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Specific Migration of Polynuclear Aromatic Hydrocarbons(PAHs)	Pass
8	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Specific migration of photoinitiators	Pass
9	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Specific Migration of Phthalates	Pass
10	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments and French Law 2012-1442 of 24 Dec 2012 - Bisphenol A	Pass

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A1	SHA23-0076399-0001.C001	White paper with transparent coating	Paper + Coating

Remarks:

- (1) mg/dm² = milligram per square decimeter
 µg/cm² = microgram per square centimeter
 mg/L = milligram per litre
 mg/kg = milligram per kilogram
- (2) °C = degree Celsius
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

The ratio of surface area to volume

SGS Sample ID	Overall Migration
SHA23-0076399-0001.C001	10.0 dm ² /kg

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°1 (V02 – 01/04/2017) and (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; EN 1186-3:2022 Test methods for overall migration in evaporable simulants

	Test Condition			
	10% Ethanol(V/V)	3% Acetic acid (W/V)	95% Ethanol(V/V)	Isooctane
A1	100°C, 4 hrs	100°C, 4 hrs	60°C, 6 hrs	60°C, 4 hrs



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Simulant used	Limit	Unit(s)	RL	A1 (1 st Migration)	Comment
10% Ethanol(V/V)	10	mg/dm ²	3.0	ND	Pass
3% Acetic acid (W/V)	10	mg/dm ²	3.0	3.0	Pass
95% Ethanol(V/V)	10	mg/dm ²	3.0	ND	Pass
Isooctane	10	mg/dm ²	3.0	ND	Pass

Notes:

(1) Analytical tolerance of evaporable simulants is 2 mg/dm² or 12 mg/kg, analytical tolerance of olive oil simulant is 3 mg/dm² or 20 mg/kg.

(2) Test condition & simulant were specified by client.

(3) A material or article with overall migration result that exceeds the overall migration limit by an amount not exceeding the analytical tolerance, shall be deemed to be in compliance with the overall migration limit.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Sensorial examination odour and taste test

Test Method: With reference to DIN 10955: 2023.
No. of panelist: 6

Test Media	Test Condition
	A1
Baking Dough	180°C, 25 mins

Test Item(s)	Limit	A1
Sensorial examination odour	2.5	0
Sensorial examination taste	2.5	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, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Pentachlorophenol(PCP)

Test Method: With reference to EN 647:1993 and ISO 15320:2011, analysis was performed by GC-MS.



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Test Item(s)	Limit	Unit(s)	RL	A1
Pentachlorophenol(PCP)	0.1	mg/kg	0.05	ND
Comment				Pass

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Extractable heavy metals

Test Method: With reference to EN 647:1993, analysis was performed by ICP-MS.

Test Item(s)	Limit	Unit(s)	RL	A1
Extractable Lead	0.01	mg/kg	0.01	ND
Extractable Mercury	0.003	mg/kg	0.003	ND
Comment				Pass

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Fastness of fluorescent whitened paper and board

Test Method: With reference to EN 648:2018.

Simulant used	Test Condition	Limit	A1	Comment
Rectified olive oil	120±3°C, 0.5 hr	Grade 5	Grade 5	Pass
DI water	90±3°C, 0.5 hr	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.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Transfer of antimicrobial agents

Test Method: With reference to EN 1104:2018

Test Item(s)	Limit	A1
Aspergillus niger ATCC 6275	★	Absent
Bacillus subtilis ATCC 6633	★	Absent
Comment	Pass	

Notes:

(1) ★ = Absence of zone inhibition

(2) Absent denotes absence of Antimicrobial constituents which inhibits the growth of tested bacteria and fungus



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Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Specific Migration of Polynuclear Aromatic Hydrocarbons(PAHs)

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(s)	RL	A1
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
Comment					Pass

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - Specific migration of photoinitiators

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(s)	RL	A1
4-methylbenzophenone	134-84-9	-	mg/kg	0.1	ND
Benzophenone	119-61-9	-	mg/kg	0.1	ND
4-hydroxybenzophenone	1137-42-4	-	mg/kg	0.5	ND
Sum of 3 items above	-	0.6	mg/kg	-	ND
Hydroxycyclohexyl (phenyl) ketone	947-19-3	ND	mg/kg	0.01	ND
Ethylanthraquinone	84-51-5	ND	mg/kg	0.01	ND
2-ethylhexyl 4-(dimethylamino) benzoate	21245-02-3	2.4	mg/kg	1.0	ND
Ethyl-4-(dimethylamino)-benzoate	10287-53-3	0.05	mg/kg	0.01	ND
Isopropylthioxanthone	5495-84-1	0.05	mg/kg	0.01	ND
Comment					Pass

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments, DGCCRF MCDA n°4 (V02 - 01/01/2019) - 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(s)	RL	A1
Benzyl Butyl Phthalate(BBP)	85-68-7	3	mg/kg	0.05	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.3	mg/kg	0.05	0.11
Dibutyl phthalate(DBP)+ Diisobutyl Phthalates (DIBP)	-	0.012	mg/kg	0.005	0.011



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Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1
Diisononyl phthalate+Diisodecyl phthalate(DINP+DIDP)	-	0.9	mg/kg	0.2	ND
Comment					Pass

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Décret 2007-766 with amendments and French Law 2012-1442 of 24 Dec 2012 - Bisphenol A

Test Method: With reference to SGS in house method, analysis was performed by HPLC-MS.

Test Item(s)	Limit	Unit(s)	RL	A1
Bisphenol A	0.1	mg/kg	0.1	ND
Comment				Pass

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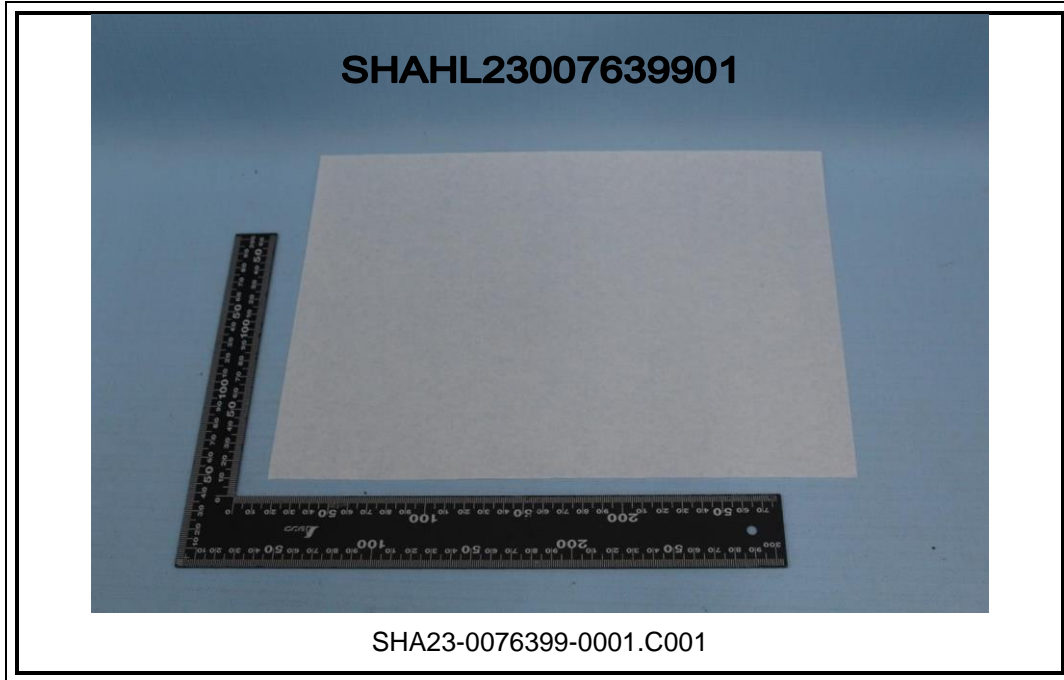
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