

## Test Report

No.: SHAAF24004400201

Date: Mar 27, 2024

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Client Name: Zhejiang Xianlu New Materials Co., Ltd

Client Address: No.1, Juhai 2nd Road, Qujiang District, Quzhou 324022, Zhejiang China

Sample Name: Baking paper

Manufacturer: Zhejiang Xianlu New Materials Co., Ltd.

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

SGS Job No.: O-NBAFL202400460325 ASH24-0012959

Sample Receiving Date: Mar 12, 2024

Testing Period: Mar 12, 2024 ~ Mar 27, 2024

Test Requested: Select 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).

|   | Test Requirement   | Comment |
|---|--|---------|
| 1 | Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Sensorial examination odour and taste test*      | Pass    |
| 2 | Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Extractable heavy metals*                        | Pass    |
| 3 | Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Transfer of antimicrobial agents                 | Pass    |
| 4 | Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Fastness of fluorescent whitened paper and board | Pass    |

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.Amanda-HM Zhang  
Approved Signatory

Scan to see the report



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|   | Test Requirement  | Comment |
|---|---|---------|
| 5 | Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of Benzophenone*         | Pass    |
| 6 | Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of 4-Methylbenzophenone* | Pass    |

### Test Result(s):

### Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description   | Material (claimed by the client) |
|-------|------------|-------------------------|---------------|----------------------------------|
| SN1   | A2         | SHA24-0044002-0001.C002 | Natural paper | Paper                            |

### Remarks:

- (1) mg/dm<sup>2</sup> = milligram per square decimeter  
mg/inch<sup>2</sup> = milligram per square inches  
µg/cm<sup>2</sup> = microgram per square centimeter  
mg/L = milligram per litre  
mg/kg = milligram per kilogram
- (2) °C = degree Celsius  
°F = degree Fahrenheit
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

### The ratio of surface area to volume

| Sample No | Specific Migration      |
|-----------|-------------------------|
| A2        | 6.0 dm <sup>2</sup> /kg |

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Sensorial examination odour and taste test\***

Test Method: With reference to DIN 10955: 2024.  
No. of panelist: 6

| Test Media      | Test Condition |
|-----------------|----------------|
|                 | A2             |
| Distilled water | 100°C, 2 hrs   |



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| Test Item(s)                | Limit       | Unit(s)             | A2   |
|-----------------------------|-------------|---------------------|------|
| Area/Volume                 | -           | dm <sup>2</sup> /kg | 10.0 |
| Sensorial examination odour | 2.5         | -                   | 0    |
| Sensorial examination taste | 2.5         | -                   | 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, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Extractable heavy metals\***

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

| Test Item(s)              | Limit       | Unit(s)            | RL    | A2 |
|---------------------------|-------------|--------------------|-------|----|
| Extractable Lead          | 10          | µg/L               | 5     | ND |
| Extractable Cadmium       | 5           | µg/L               | 2     | ND |
| Extractable Aluminium     | 1000        | µg/L               | 100   | ND |
| Extractable Chromium(VI)  | Absent      | mg/dm <sup>2</sup> | 0.004 | ND |
| Extractable Chromium(III) | 0.004       | mg/dm <sup>2</sup> | 0.004 | ND |
| <b>Comment</b>            | <b>Pass</b> |                    |       |    |

## Notes:

- (1) Permissible Limit is according to BfR Recommendation XXXVI.
- (2) The result of Chromium (VI) and Chromium (III) are considered as “Not Detected” since the total chromium content determined is “Not Detected”.

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Transfer of antimicrobial agents**

Test Method: With reference to EN 1104:2018.

| Test Item(s)                | Limit       | A2     |
|-----------------------------|-------------|--------|
| 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 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, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Fastness of fluorescent whitened paper and board**

Test Method: With reference to EN 648:2018.

| Simulant used          | Test Condition  | Limit   | A2      | Comment |
|------------------------|-----------------|---------|---------|---------|
| 3% Acetic acid (W/V)   | 23±2°C, 4 hrs   | Grade 5 | Grade 5 | Pass    |
| Alkaline salt solution | 23±2°C, 4 hrs   | Grade 5 | Grade 5 | Pass    |
| 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, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of Benzophenone\***

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

| Simulant            | Test Condition |
|---------------------|----------------|
|                     | A2             |
| Rectified olive oil | 200°C, 0.5 hr  |

| Test Item(s)                       | Limit | Unit(s) | RL  | A2          |
|------------------------------------|-------|---------|-----|-------------|
| <b>Rectified olive oil</b>         |       |         |     |             |
| Migration times                    |       |         |     | First       |
| Specific migration of benzophenone | 0.6   | mg/kg   | 0.2 | ND          |
| <b>Comment</b>                     |       |         |     | <b>Pass</b> |

## Notes:

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

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of 4-Methylbenzophenone\***

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

| Simulant            | Test Condition |
|---------------------|----------------|
|                     | A2             |
| Rectified olive oil | 200°C, 0.5 hr  |

| Test Item(s)                               | Limit | Unit(s) | RL  | A2    |
|--|-------|---------|-----|-------|
| <b>Rectified olive oil</b>                 |       |         |     |       |
| Migration times                            |       |         |     | First |
| Specific migration of 4-Methylbenzophenone | 0.2   | mg/kg   | 0.2 | ND    |



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| Test Item(s) | Limit | Unit(s) | RL | A2   |
|--------------|-------|---------|----|------|
| Comment      |       |         |    | Pass |

### Notes:

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

### Remark:

Test item marked "\*" in this report are not included in CNAS Accredited Scope for our laboratory.

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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Sample Photo:



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