# Test Report

No. TAOHG2300107301 Date: 31 Jan 2023 Page 1 of 7

Client Name : YANGZHOU YOME STAYFRESH TECHNOLOGY CO.,LTD

Client Address : PANGU INDUSTRIAL PARK,LIUJI TOWN,YIZHENG CITY,YANGZHOU CITY,JIANGSU PROVINCE,CHINA.

Sample Name : OXYGEN ABSORBER

Supplier : YANGZHOU YOME STAYFRESH TECHNOLOGY CO.,LTD

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

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SGS Job No. : QDHL2301000216CW - QD

Date of Sample Received : 10 Jan 2023

Testing Period : 10 Jan 2023 - 31 Jan 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).

Result Summary :

| Test Requested | Conclusion |
|---|---|
| (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Overall migration | 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 |
| Commission Implementing Regulation (EU) 2018/213 of 12 February 2018 amending Regulation (EU) 10/2011 of 14 January 2011-Bisphenol A | PASS |
| (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Specific migration of acetaldehyde | PASS |
| (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Specific migration of heavy metal and Ammonium | PASS |
| (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Specific migration of ethylene glycol | PASS |
| (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Specific migration of terephthalic acid | PASS |

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

scan to see the report

QDHL2301000216CW

Wang Bo, Claire
Approved Signatory

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Test Result(s) :

Test Part Description :

| Specimen No. | SGS Sample ID | Description | Material (claimed by the client) |
|---|---|---|---|
| SN1 | TAO23-001073.001 | Transparent plastic film | PET |

Remarks :

(1) mg/dm² = milligram per square decimeter
(2) mg/kg = milligram per kilogram
(3) ℃= degree Celsius
(4) < = less than
(5) MDL = Method Detection Limit
(6) ND = Not Detected ( < MDL)

**(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
EN 1186-2:2022 Test methods for overall migration in vegetable oils

| Simulant Used | Time | Temperature | Max. Permissible Limit | Result of 001 Overall migration | Conclusion |
|---|---|---|---|---|---|
| 3% Acetic acid (W/V) aqueous solution (First migration) | 240.0hr(s) | 40℃ | 10mg/dm² | <3.0mg/dm² | PASS |
| 10% Ethanol (V/V) Aqueous Solution (First migration) | 240.0hr(s) | 40℃ | 10mg/dm² | <3.0mg/dm² | PASS |
| Rectified olive oil (First migration)* | 240.0hr(s) | 40℃ | 10mg/dm² | <3.0mg/dm² | PASS |
| Area/Volume | | | - | 10.0dm²/kg | |

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

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**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 DIN 10955: 2004
Test media: Distilled water
No. of panelist: 6

| Test Item(s) | Limit | *001* |
|---|---|---|
| Test time (hr) | - | 240 |
| Temperature (℃) | - | 60 |
| Sensorial examination odour (Point scale) | 2.5 | 0.0 |
| Sensorial examination taste (Point scale) | 2.5 | 0.0 |
| **Conclusion** | | **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

**Commission Implementing Regulation (EU) 2018/213 of 12 February 2018 amending Regulation (EU) 10/2011 of 14 January 2011-Bisphenol A**

Test Method : In-house method, analysis was performed by LC-MS.

| Test Item(s) | Limit | Unit | MDL | *001* |
|---|---|---|---|---|
| Bisphenol-A | ★ | mg/kg | 0.1 | ND |
| **Conclusion** | | | | **PASS** |

Notes :

★ = prohibited

**(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Specific migration of acetaldehyde**

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

**Sample 001**

Simulant Used : 3% Acetic acid (W/V) aqueous solution
Test Condition : 60℃ 240.0hr(s)

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| Test Item(s) | Max. Permissible Limit | Unit | MDL | Test result |
|---|---|---|---|---|
| Migration times | - | - | - | First |
| Area/volume | - | dm²/kg | - | 6.0 |
| Specific migration of acetaldehyde | 6.0 | mg/kg | 1.0 | ND |
| **Conclusion** | | | | **PASS** |

Notes :

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

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

**(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Specific migration of heavy metal and Ammonium**

Test Method : Heavy metal: With reference to EN13130-1:2004, analysis was performed by ICP-OES and ICP-MS.
Ammonium: With reference to EN13130-1:2004, analysis was performed by IC.

**Sample 001**

Simulant Used : 3% Acetic acid (W/V) aqueous solution
Test Condition : 60℃ 240.0hr(s)

| Test Item(s) | Max. Permissible Limit | Unit | MDL | Test result |
|---|---|---|---|---|
| Migration times | - | - | - | First |
| Area/volume | - | dm²/kg | - | 6.0 |
| Arsenic(As) | ND | mg/kg | 0.01 | ND |
| Cadmium(Cd) | ND | mg/kg | 0.002 | ND |
| Chromium(Cr) | ND | mg/kg | 0.01 | ND |
| Mercury(Hg) | ND | mg/kg | 0.01 | ND |
| Lead(Pb) | ND | mg/kg | 0.01 | ND |
| Aluminium(Al) | 1 | mg/kg | 0.1 | ND |
| Barium(Ba) | 1 | mg/kg | 0.25 | ND |
| Cobalt(Co) | 0.05 | mg/kg | 0.01 | ND |
| Copper(Cu) | 5 | mg/kg | 0.25 | ND |
| Iron(Fe) | 48 | mg/kg | 5 | ND |
| Lithium(Li) | 0.6 | mg/kg | 0.1 | ND |
| Manganese(Mn) | 0.6 | mg/kg | 0.1 | ND |
| Zinc(Zn) | 5 | mg/kg | 0.5 | ND |
| Nickel(Ni) | 0.02 | mg/kg | 0.01 | ND |
| Antimony(Sb) | 0.04 | mg/kg | 0.01 | ND |
| Europium (Eu) | - | mg/kg | 0.025 | ND |

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| | | | | |
|---|---|---|---|---|
| Gadolinium(Gd) | - | mg/kg | 0.025 | ND |
| Lanthanum(La) | - | mg/kg | 0.025 | ND |
| Terbium(Tb) | - | mg/kg | 0.025 | ND |
| Europium (Eu)+ Gadolinium(Gd)+ Lanthanum(La)+ Terbium(Tb) | 0.05 | mg/kg | - | ND |
| **Conclusion** | | | | **PASS** |
| Potassium(K) | - | mg/kg | 1 | ND |
| Sodium(Na) | - | mg/kg | 1 | ND |
| Calcium(Ca) | - | mg/kg | 1 | ND |
| Magnesium(Mg) | - | mg/kg | 1 | ND |

**Sample 001**

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 60℃ 240.0hr(s)

| Test Item(s) | Max. Permissible Limit | Unit | MDL | Test result |
|---|---|---|---|---|
| Migration times | - | - | - | First |
| Area/volume | - | dm²/kg | - | 6.0 |
| Ammonium | - | mg/kg | 0.5 | ND |

Notes :

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

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

**(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Specific migration of ethylene glycol**

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

**Sample 001**

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 60℃ 240.0hr(s)

| Test Item(s) | Max. Permissible Limit | Unit | MDL | Test result |
|---|---|---|---|---|
| Migration times | - | - | - | First |
| Area/volume | - | dm²/kg | - | 6.0 |
| Specific migration of ethylene glycol | 30 | mg/kg | 20 | ND |
| **Conclusion** | | | | **PASS** |

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Notes :

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

**(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Specific migration of terephthalic acid**

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

**Sample 001**

Simulant Used : 3% Acetic acid (W/V) aqueous solution
Test Condition : 60℃ 240.0hr(s)

| Test Item(s) | Max. Permissible Limit | Unit | MDL | Test result |
|---|---|---|---|---|
| Migration times | - | - | - | First |
| Area/volume | - | $dm^2/kg$ | - | 6.0 |
| Specific migration of terephthalic acid | 7.5 | mg/kg | 1.0 | ND |
| **Conclusion** | | | | **PASS** |

Notes :

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

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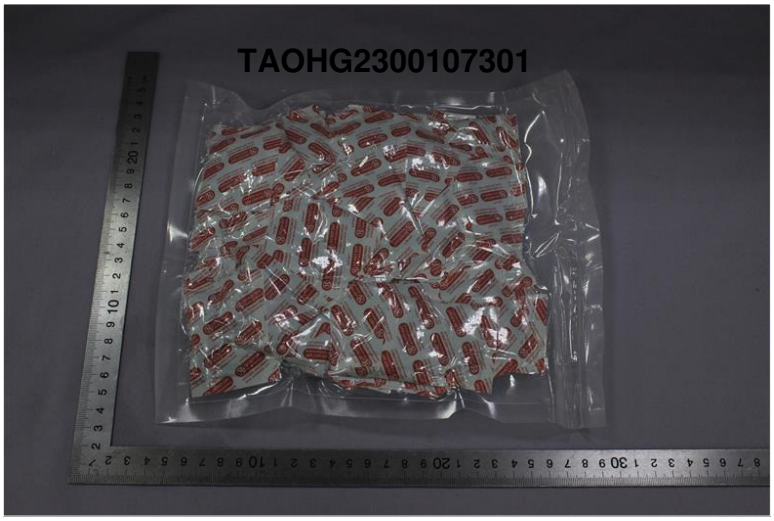
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