



TEST REPORT

Report No. : WTF25F04085782C
Job No. : FSW2504080358CJ
Applicant : Mid Ocean Brands B.V.
Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,
Kowloon, Hong Kong
Manufacturer : 112213
Sample Name : Plant based wax candle
Sample Model : MO2711, MO2712
Test Requested : Refer to next page (s)
Test Method : Refer to next page (s)
Test Conclusion : **Pass** (please refer to next pages for details)
Date of Receipt sample : 2025-04-08
Testing period : 2025-04-08 to 2025-04-15
Date of Issue : 2025-04-15
Test Result : Refer to next page (s)
Note : As specified by client, only test the designated sample.

Prepared By:

Waltek Testing Group (Foshan) Co., Ltd.

Address: No.13-19, 2/F., 2nd Building, Sunlink Machinery City, Xingye 4 Road, Guanglong Industrial Park,
Chihua Neighborhood Committee, Chencun, Shunde District, Foshan, Guangdong, China

Tel:+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Signed for and on behalf of
Waltek Testing Group (Foshan) Co., Ltd.

Swing Liang

Swing Liang
Waltek Testing Group (Foshan) Co., Ltd.
<http://www.waltek.com.cn>



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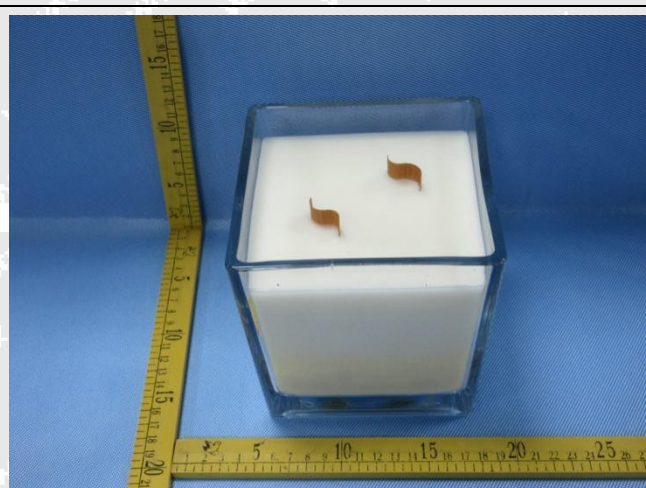
Summary

| Item No. | Test Requested | Test Conclusion |
|----------|--|-----------------|
| 1 | Determination of Lead content in the submitted sample in accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628 | Pass |
| 2 | Determination of Cadmium content in the submitted sample in accordance with REACH regulation Annex XVII Entries 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011, No. 835/2012 and (EU) 2016/217 | Pass |
| 3 | Determination of specified Phthalates content according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005 | Pass |
| 4 | Determination of specified Polycyclic Aromatic Hydrocarbons (PAHs) content in submitted sample in accordance with Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013. | Pass |

Sample photo:



MO2711



MO2712



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Test Results:

1) Lead (Pb)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

| Test Item | LOQ (mg/kg) | Results (mg/kg) | | | | Limit (mg/kg) |
|------------|----------------|-----------------|------|------|------|------------------|
| | | No.1 | No.2 | No.3 | No.4 | |
| Lead(Pb) | 2 | ND | ND | ND | ND | 500 |
| Conclusion | -- | Pass | Pass | Pass | Pass | -- |

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than LOQ)

(3) LOQ = Limit of quantitation

(4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.

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2) Cadmium (Cd)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

| Test Item | LOQ (mg/kg) | Results (mg/kg) |
|-------------|----------------|-----------------|
| | | No.3 |
| Cadmium(Cd) | 2 | ND |
| Conclusion | -- | Pass |

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than LOQ)

(3) LOQ = Limit of quantitation

(4) Limit of Cadmium according to REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011 and No. 835/2012 and (EU) 2016/217.

| Category | Limit (mg/kg) |
|---|---------------|
| Wet paint | 100 |
| Surface coating | 1000 |
| Plastic | 100 |
| Metal parts of jewellery and hair accessories | 100 |

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3) Phthalates

Test Method: With reference to EN14372:2004, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

| Test Items | LOQ (%) | Results (%) | Limit (%) |
|--------------------------------------|------------|----------------|----------------------------------|
| | | No.3 | |
| Benzyl butyl phthalate (BBP) | 0.005 | ND | sum of four phthalates < 0.1 |
| Di (2-ethyl hexyl)- phthalate (DEHP) | 0.005 | ND | |
| Dibutyl phthalate (DBP) | 0.005 | ND | |
| Diisobutyl phthalate (DIBP) | 0.005 | ND | |
| Diisodecyl phthalate (DIDP) | 0.01 | ND | sum of three phthalates < 0.1 |
| Diisononyl phthalate (DINP) | 0.01 | ND | |
| Di-n-octyl phthalate (DNOP) | 0.005 | ND | |
| Conclusion | -- | Pass | -- |

Note:

DBP= Dibutyl phthalate

BBP= Benzyl butyl phthalate

DEHP= Bis-(2-ethylhexyl)- phthalate

DINP= Di-isononyl phthalate

DNOP= Di-n-octyl phthalate

DIDP= Di-isodecyl phthalate

DIBP= Diisobutyl phthalate

(1) % = percentage by weight

(2) ND = Not Detected or lower than limit of quantitation

(3) LOQ = Limit of quantitation

(4) "<" = less than

(5) The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No.

1907/2006 & Amendment No. 552/2009 & No. 2018/2005 (formerly known as Directive 2005/84/EC) for phthalate content in toys and child care articles.



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4) Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AFPS GS 2019:01 PAK method, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS).

| Test Items | Unit | Results | LOQ | Limit |
|---|-------|---------|-----|-------|
| | | No.3 | | |
| Benzo(a)anthracene (BaA) | mg/kg | ND | 0.2 | 1.0 |
| Chrysene (CHR) | mg/kg | ND | 0.2 | 1.0 |
| Benzo[b]fluoranthene (BbFA) | mg/kg | ND | 0.2 | 1.0 |
| Benzo[k]fluoranthene (BkFA) | mg/kg | ND | 0.2 | 1.0 |
| Benzo(a)pyrene (BaP) | mg/kg | ND | 0.2 | 1.0 |
| Dibenzo[a,h]anthracene (DBA _h A) | mg/kg | ND | 0.2 | 1.0 |
| Benzo[j]fluoranthene (BjFA) | mg/kg | ND | 0.2 | 1.0 |
| Benzo[e]Pyrene (BeP) | mg/kg | ND | 0.2 | 1.0 |
| Conclusion | -- | Pass | -- | -- |

Note:

- (1) ND = Not Detected or lower than limit of quantitation
- (2) mg/kg=milligram per kilogram=ppm
- (3) LOQ = Limit of quantitation
- (4) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Articles shall not be placed on the market for supply to the general public, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 1 mg/kg (0,0001 % by weight of this component) of any of the listed PAHs.
- (5) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Toys, including activity toys, and childcare articles, shall not be placed on the market, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 0,5 mg/kg (0,00005 % by weight of this component) of any of the listed PAHs.



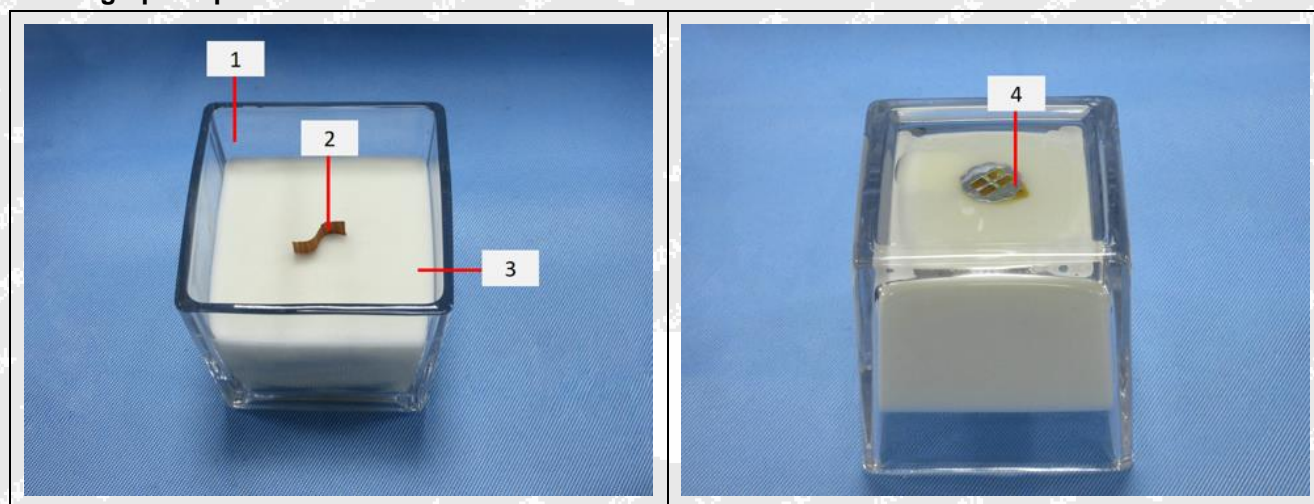
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Description for Specimen:

| Specimen No. | Specimen Description |
|--------------|-------------------------|
| 1 | Transparent glass shell |
| 2 | Brown wood wick |
| 3 | White candle |
| 4 | Silvery metal sheet |

Photograph of parts tested:





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Remarks:

1. The results shown in this test report refer only to the sample(s) tested;
2. This test report cannot be reproduced, except in full, without prior written permission of the company;
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4. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which Waltek hasn't verified;
5. If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.
6. The sample material information (Model No. information) is provided by client, not verified by test laboratory. The samples of reference Model No. are not tested. Test laboratory not responsible for the accuracy, appropriateness, completeness and authenticity of the information provided by client.

===== End of Report =====

WALTEK

CO., LTD.

Test Report

Report No. : AGC05443250411-001

SAMPLE NAME : Plant based wax candle
MODEL NAME : MO2708, MO2711, MO2712
APPLICANT : MID OCEAN BRANDS B.V.
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Apr. 21, 2025

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Applicant : MID OCEAN BRANDS B.V.
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street,
Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name : Plant based wax candle
Model : MO2708, MO2711, MO2712
Vendor code : 112213
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : Apr. 08, 2025
Testing Period : Apr. 08, 2025 to Apr. 21, 2025
Test Requested : Selected test(s) as requested by client.


Test Requested:**Conclusion**

Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)
- Pentachlorophenol (PCP) Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77
- Formaldehyde Release

Pass

Approved by: 

Suhongliang, Leon

Technical Director

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Report Revise Record

| Report Version | Issued Date | Valid Version | Notes |
|----------------|---------------|---------------|-----------------|
| / | Apr. 21, 2025 | Valid | Initial release |

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The photo of the sample



The photo of AGC05443250411-001 is for use only with the original report.

Test Point Description

| Test point | Test point description |
|------------|------------------------|
| 1-1 | Wood |

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Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

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/CNAS-GL015:2022.

Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)

- Pentachlorophenol (PCP) Content

Test Methods and Equipment: EPA 3550C:2007 & EPA 8270E:2018; GC-MS

| Test Item(s) | Unit | Limit | MDL | Test Result(s) |
|-------------------------|-------|-------|-----|----------------|
| | | | | 1-1 |
| Pentachlorophenol (PCP) | mg/kg | 5 | 5 | N.D. |
| Conclusion | | | | Conformity |

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77

- Formaldehyde Release

Test Methods and Equipment: EN 717-1:2004; UV-Vis

| Test Item(s) | Unit | Limit | MDL | Test Result(s) |
|----------------------|-------------------|-------|-------|----------------|
| | | | | 1-1 |
| Formaldehyde Release | mg/m ³ | 0.062 | 0.006 | N.D.(240h) |
| Conclusion | | | | Conformity |

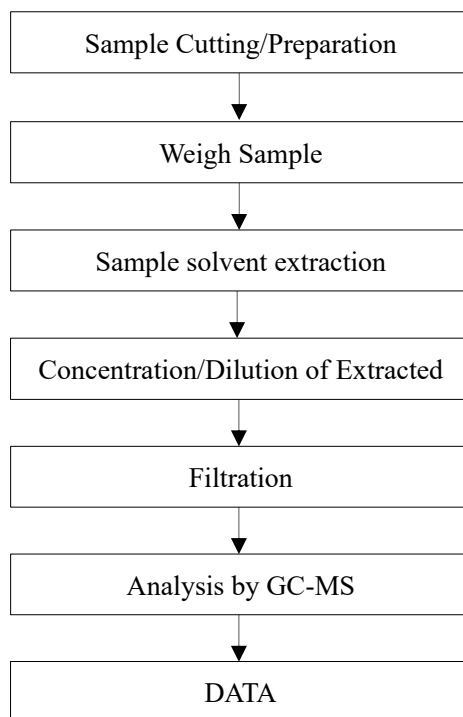
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Test Flow Chart of Pentachlorophenol (PCP)



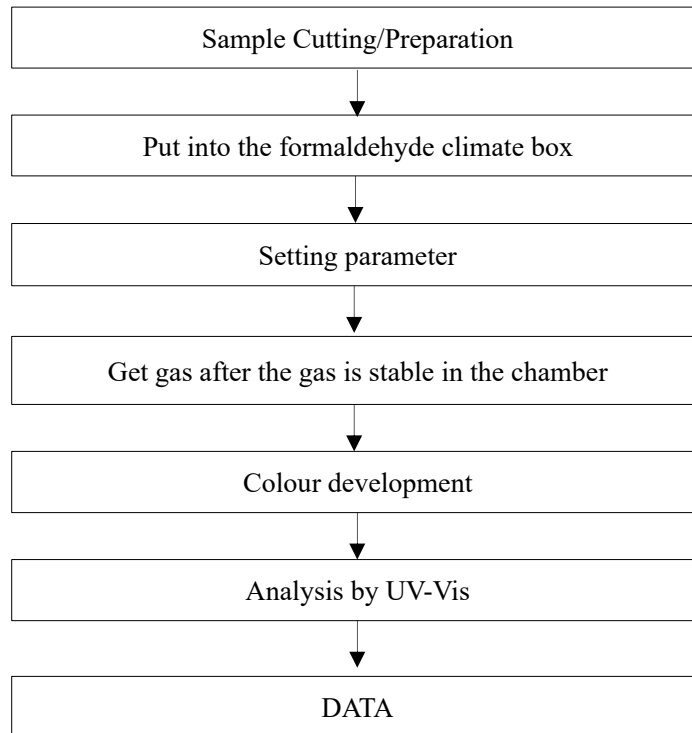
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Test Flow Chart of Formaldehyde Release



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8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
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