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TESTING
CNAS L6478



TEST REPORT

Report No. : WTF25F05124462X1C
Job No. : FSW2505160602CJ
Applicant : Mid Ocean Brands B.V.
Address : Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha
Wan, Kowloon, Hong Kong.
Manufacturer : 112213
Sample Name : Plant based wax candle
Sample Model : MO2707, MO2708
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 : 2025-05-16
Testing Period : 2025-05-16 to 2025-05-23
Date of Issue : 2025-05-28
Test Result : Refer to next page (s)
Note : 1. As specified by client, only test the designated sample.
2. This report is based on Waltek test report
WTF25F05124462C for revising, and replaced report
WTF25F05124462C.

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



WTF25F05124462X1C

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:



MO2707



MO2707



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MO2707



MO2707



MO2708



MO2708



MO2708



MO2708



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MO2708



MO2708



MO2708





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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	
Lead(Pb)	2	ND	ND	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.3	No.4+No.5+No.6	
Lead(Pb)	2	ND	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.7	No.8	
Lead(Pb)	2	ND	ND	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.9+No.10+No.11	No.12	
Lead(Pb)	2	ND*	ND	500
Conclusion	--	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.
- (5) "*" = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.
- (6) The test results of sample No.4 to No.6 and No.9 to No.12 was(were) based on the wet weight of the raw material.



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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	No.4+No.5+No.6
Cadmium(Cd)	2	ND	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.9+No.10+No.11	No.12
Cadmium(Cd)	2	ND*	ND
Conclusion	--	Pass	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

(5) "*" = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.

(6) The test results of sample No.4 to No.6 and No.9 to No.12 was(were) based on the wet weight of the raw material.



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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	No.4+No.5+No.6	
Benzyl butyl phthalate (BBP)	0.005	ND	ND*	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND	ND*	
Dibutyl phthalate (DBP)	0.005	ND	ND*	
Diisobutyl phthalate (DIBP)	0.005	ND	ND*	
Diisodecyl phthalate (DIDP)	0.01	ND	ND*	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	ND	ND*	
Di-n-octyl phthalate (DNOP)	0.005	ND	ND*	
Conclusion	--	Pass	Pass	--

Test Items	LOQ (%)	Results (%)		Limit (%)
		No.9+No.10+No.11	No.12	
Benzyl butyl phthalate (BBP)	0.005	ND*	ND	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND*	ND	
Dibutyl phthalate (DBP)	0.005	ND*	ND	
Diisobutyl phthalate (DIBP)	0.005	ND*	ND	
Diisodecyl phthalate (DIDP)	0.01	ND*	ND	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	ND*	ND	
Di-n-octyl phthalate (DNOP)	0.005	ND*	ND	
Conclusion	--	Pass	Pass	--



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Note:

- (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.
- (6) "*" = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.
- (7) The test results of sample No.4 to No.6 and No.9 to No.12 was(were) based on the wet weight of the raw material.

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	No.4+No.5+No.6		
Benzo(a)anthracene (BaA)	mg/kg	ND	ND*	0.2	1.0
Chrysene (CHR)	mg/kg	ND	ND*	0.2	1.0
Benzo[b]fluoranthene (BbFA)	mg/kg	ND	ND*	0.2	1.0
Benzo[k]fluoranthene (BkFA)	mg/kg	ND	ND*	0.2	1.0
Benzo(a)pyrene (BaP)	mg/kg	ND	ND*	0.2	1.0
Dibenzo[a,h]anthracene (DBA _h A)	mg/kg	ND	ND*	0.2	1.0
Benzo[j]fluoranthene (BjFA)	mg/kg	ND	ND*	0.2	1.0
Benzo[e]Pyrene (BeP)	mg/kg	ND	ND*	0.2	1.0
Conclusion	--	Pass	Pass	--	--



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Test Items	Unit	Results		LOQ	Limit
		No.9+No.10+No.11	No.12		
Benzo(a)anthracene (BaA)	mg/kg	ND*	ND	0.2	1.0
Chrysene (CHR)	mg/kg	ND*	ND	0.2	1.0
Benzo[b]fluoranthene (BbFA)	mg/kg	ND*	ND	0.2	1.0
Benzo[k]fluoranthene (BkFA)	mg/kg	ND*	ND	0.2	1.0
Benzo(a)pyrene (BaP)	mg/kg	ND*	ND	0.2	1.0
Dibenzo[a,h]anthracene (DBAhA)	mg/kg	ND*	ND	0.2	1.0
Benzo[j]fluoranthene (BjFA)	mg/kg	ND*	ND	0.2	1.0
Benzo[e]Pyrene (BeP)	mg/kg	ND*	ND	0.2	1.0
Conclusion	--	Pass	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.
- (6) "*" = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.
- (7) The test results of sample No.4 to No.6 and No.9 to No.12 was(were) based on the wet weight of the raw material.



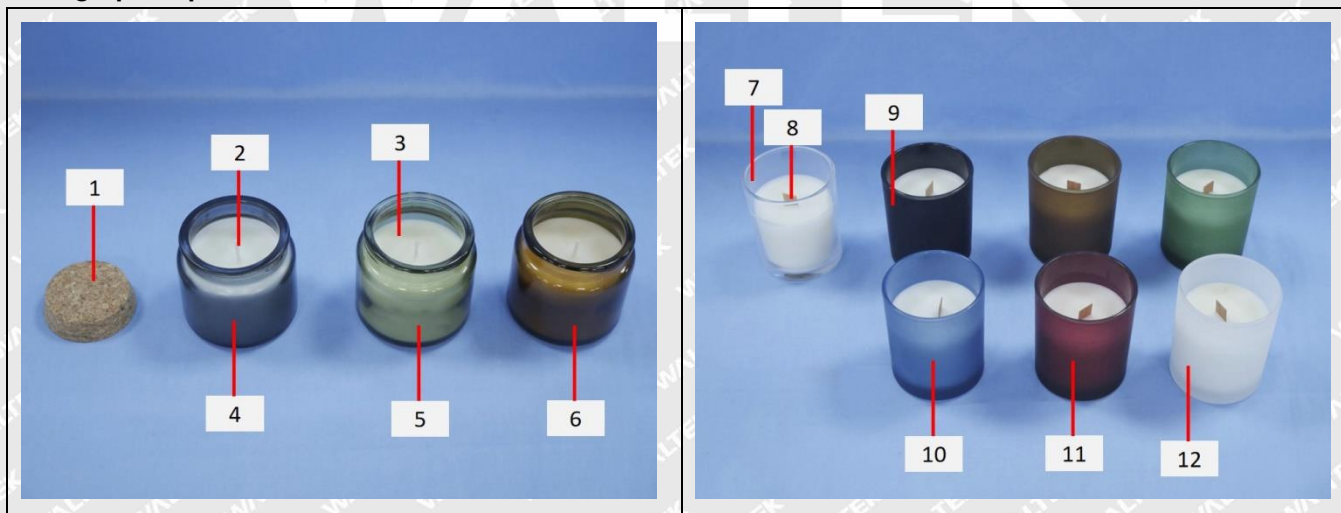
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Description for Specimen:

Specimen No.	Specimen Description
1	Brown cork stopper
2	White candle wick
3	White candle
4	Black coating
5	Green coating
6	Brown coating
7	Transparent glass shell
8	Brown wood wick
9	Black coating
10	Blue coating
11	Red coating
12	White coating

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;
3. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver;
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

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

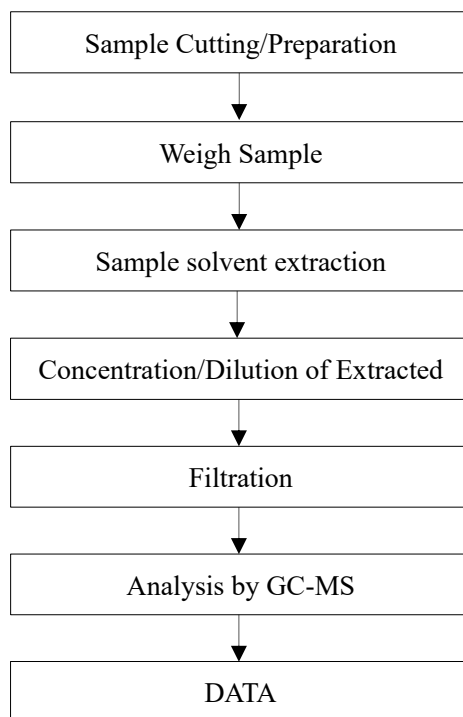
Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1
Formaldehyde Release	mg/m ³	0.062	0.006	N.D.(240h)
Conclusion				Conformity

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Test Flow Chart of Pentachlorophenol (PCP)

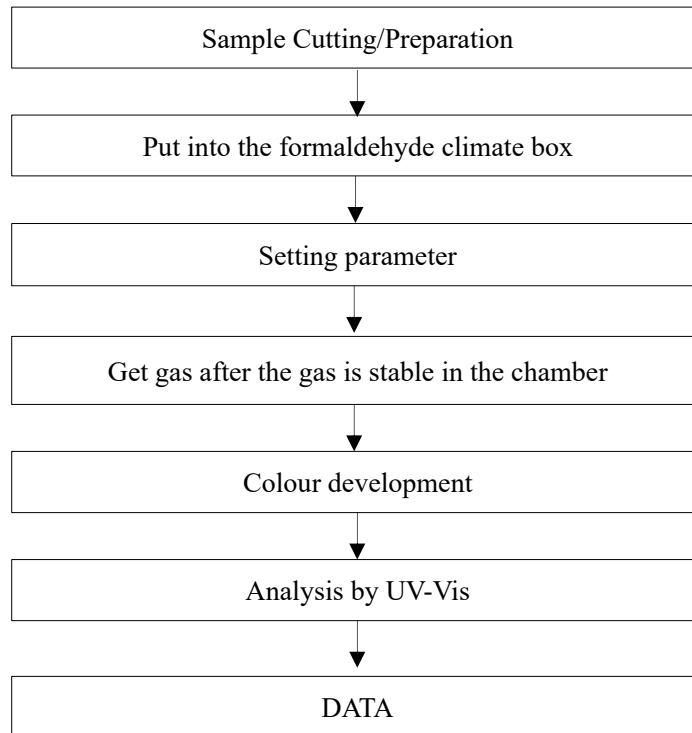
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Test Flow Chart of Formaldehyde Release



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4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
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.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

*** End of Report ***

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