
Test Report

Report No. : AGC03507200803-001

SAMPLE NAME : CANDLE
MODEL NAME : IT2873
APPLICANT : MID OCEAN BRANDS B.V
STANDARD(S) : Please refer to follow page(s).
DATE OF ISSUE : Aug.21, 2020

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Applicant : MID OCEAN BRANDS B.V
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

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

Sample Name : CANDLE
Vendor Code : 112213
Model : IT2873
Sample Received Date : Aug.11, 2020
Testing Period : Aug.11, 2020 to Aug.21, 2020

Approved by: Reed

Qinlianzhi, Reed

Laboratory Supervisor

Approved by: Jessie.Liang

Liangdan, Jessie.Liang

Technical Director

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: <http://cn.agc-cert.com/>



Test Requested:
Conclusion

- | | |
|--|----------------------|
| 1. As specified by client, to determine:
EN 15426-2018: Candles — Specification for sooting behaviour
EN 15493-2019: Candles — Specification for fire safety
EN 15494:2019: Candles — Product safety labels | Pass
Pass
Pass |
| 2. As specified by client, to determine the Cadmium(Cd) content in the submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006. | Pass |
| 3. As specified by client, to determine the Lead(Pb) content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006. | Pass |

Test Result(s):
1.1 EN 15426-2018: Candles — Specification for sooting behaviour

Method Used: EN 15426:2018

Test Sample: CANDLE(White candles)

-	Specimen 1	Specimen 2	Specimen 3
Initial weight of the candle, g	91.6	90.2	91.8
Burning time, h	8	8	8
Illuminance of the measuring with the cleaned glass plate, Lux	743×10	740×10	741×10
Illuminance of the measuring with the sooted glass plate, Lux	739×10	736×10	735×10
Soot index	0.53	0.54	0.81
Average soot index per hour, h ⁻¹	0.07	0.07	0.10
Average soot index of 3 tests, h ⁻¹	0.08		
Specification	The average soot index from tests(samples) shall be less than 1.0/h		
Conclusion	Pass		

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



1.2 EN 15493-2019: Candles — Specification for fire safety

Test Sample Information

Name	CANDLE(White candles)		
Sample size	6		
Candle type	Container candles	Height	28mm
Perfumed wax	No	Diameter	58mm
Length of Wicks	14mm	Mass of wax+ box	91.5g

Burn test cycles

Type of candle	Burn test cycles
Floating candles, container candles and candles marketed as self-extinguishing with a mass > 25g	Burning for (240±5)min, > 60 min pause. Continuous burning in cycles until self-extinguishing

Test Results

Clause	Description	Result
4	Safety requirements	
4.1	Stability: Freestanding candles, container candles and candles that are sold together with a holder or other accessories shall not tip over when tested on a slope of (10 ± 0,2)°	Pass
4.2	Secondary ignition: No secondary ignition shall occur for more than 10 s	Pass
4.3	Flame height: The flame height for all candle types, except tea lights, shall not exceed 75 mm. The flame height for tea lights shall not exceed 30 mm.	Pass
4.4	Self-extinguishing	Pass
4.4.1	To prevent the ignition of the surface underneath, freestanding candles marketed as self-extinguishing shall self-extinguish at the end of the burning time. The candles shall neither burn a paper placed underneath nor cause any scorch marks on it during the whole burning test	Pass
4.4.2	To prevent the ignition or cracking of a supporting holder, non-freestanding candles marketed as self-extinguishing shall self-extinguish at a residual height of ≥12 mm in case of candles with a diameter of ≤ 14 mm and at a residual height of ≥ 18 mm in case of other candles	N/A
4.5	Behaviour after extinguishing	Pass
4.5.1	After extinguishing the candle shall not spontaneously re-light	Pass
4.5.2	The wick shall not continue to glow or smoke for an average time of more than 30 s after extinguishing.	Pass
4.6	Container candles The container shall not crack or break at any time throughout the burning test	Pass

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



1.3 EN 15494:2019: Candles — Product safety labels
Test

CANDLE(White candles)

Sample:

Requirements		Result
Background colour of the safety label	All components of the product safety label are in distinct contrast from the background.	Pass
General warning sign	Present on the label The background colour of the general warning sign is yellow	Pass
Safety information	The following messages represent the minimum safety information with which a candle can be labeled:	Pass
	1. Never leave a burning candle unattended	
	2. Keep away from things that can catch fire	
	3. Keep away from children and pets	
	4. Use a heat resistant candleholder (not applicable to floating candles, no mandatory for self-extinguishing candles and container candles)	
	5. Use in a suitable bowl filled with water (for floating candle only)	
Supplementary safety information	1. Keep candles at least x cm apart (not applicable to floating candle)	Pass
	2. Do not burn in a draught	N/A
	3. Do not place near a heat source	N/A
	4. Place candle upright (not applicable to floating candle)	Pass
	5. Trim wick to x cm	Pass
	6. Snuff out the flame. Do not blow it out	N/A
	7. Keep wax pool clear of matches and debris	N/A
	8. Do not move a burning candle	Pass
	9. Never use liquid to extinguish	Pass
	10. Remove packaging before use	N/A
	11. Trim edge if higher than x cm	N/A
	12. Only use in holders and warming stoves with sufficient ventilation (only for tea lights)	N/A
	13. This candle liquefies, use a suitable container (for votive candles)	N/A
	14. No not touch, may be hot (only for container candles)	N/A
	15. Do not burn in a warming unit (for candles not appropriate to use in a warming unit)	N/A

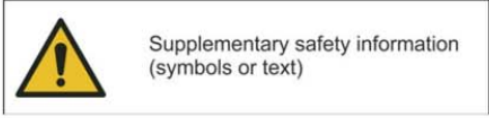
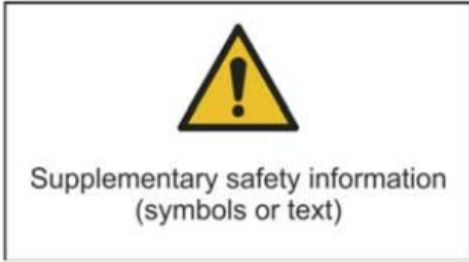
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/



Requirements	Result
Layout of product safety label	<p>Form 1: general warning sign and supplementary safety information symbol; or Form 2: general warning sign and supplementary safety information text</p> <div style="text-align: center;">  <p>Form 1</p>  <p>Form 2</p> </div>

Pass
(Form 1 &
Form 2)

Note

P — Pass

N/A — Not Applicable

N/P — Not Provided

F — Fail

N/C — Not conducted as per client's request

2. Test Result of Cadmium(Cd) Content

Test Item	Cadmium(Cd) (CAS No.: 7440-43-9)
Limit(mg/kg)	<100
MDL(mg/kg)	10
Test Method/ Instrument	IEC 62321-5:2013 / ICP-OES

No.	Test result (mg/kg)	Conclusion
	Cadmium(Cd)	
1	N.D.	Conformity

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/



3. Test Result of Lead(Pb) Content

Test Item	Lead(Pb) (CAS No.: 7439-92-1)
Limit(mg/kg)	<500
MDL(mg/kg)	10
Test Method/ Instrument	IEC 62321-5:2013 / ICP-OES

No.	Test result (mg/kg)	Conclusion
	Lead(Pb)	
1	N.D.	Conformity

Note:

mg/kg = milligram per kilogram

N.D.=Not Detected (less than method detection limit)

MDL = Method Detection Limit

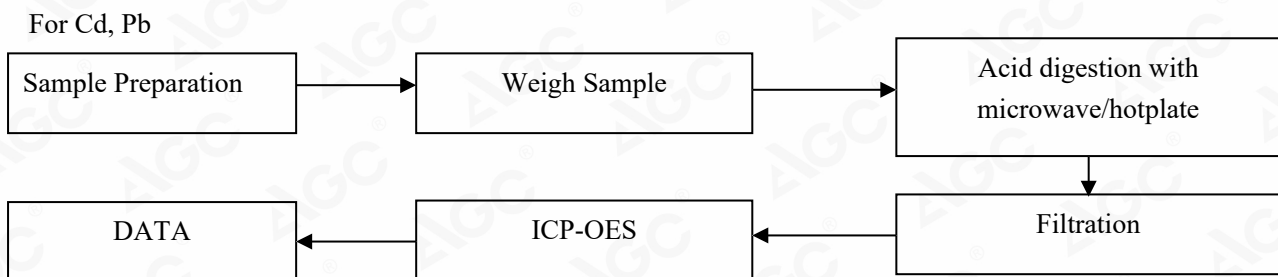
Remark:

- As specified by client, only test the designated sample.

Sample Description:

1	White candle
---	--------------

Test Flow Chart



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/



The photo of the sample



AGC03507200803-001

AGC authenticate the photo only on original report

*** End of Report ***

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

Attestation of Global Compliance(Shenzhen)Co., Ltd
Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: <http://cn.agc-cert.com/>





Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the “Company”) solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the “Clients”).
2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

