



TEST REPORT

Report No. : WTF22F04076801C

Applicant : Mid Ocean Brands B.V.

Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,
Kowloon, Hong Kong

Manufacturer : 114628

Sample Name : Bamboo incense stick holder

Sample Model : MO6641

Test Requested : 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
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
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
4) As specified by client, determination of the released formaldehyde content in submitted sample
5) As required by applicant, for compliance with EN 15493:2019 Candle specification for fire safety

Test Conclusion : Refer to next page (s)

Date of Receipt sample : 2022-04-21

Testing period : 2022-04-21 to 2022-05-07

Date of Issue : 2022-05-19

Test Result : Refer to next page (s)

Prepared By:

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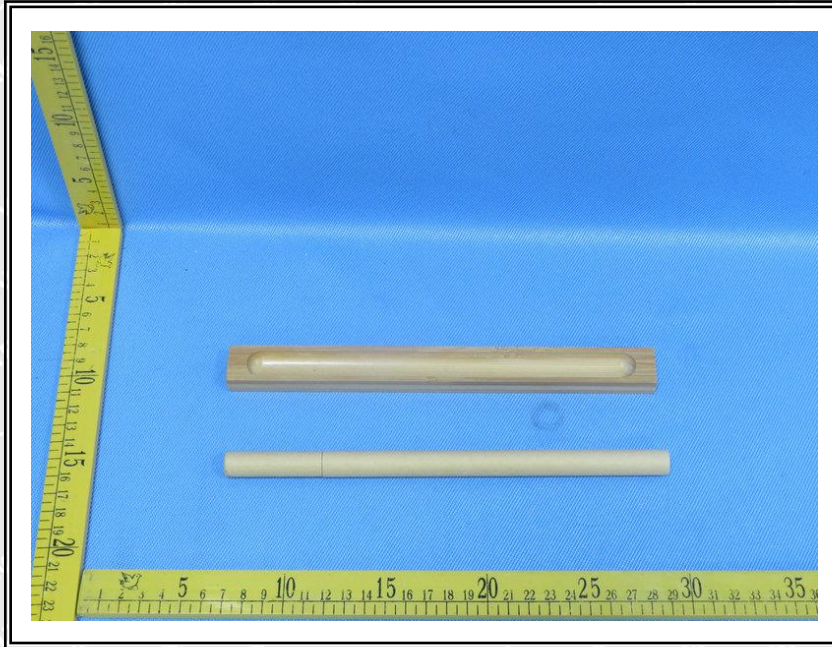
Signed for and on behalf of
Waltek Testing Group (Foshan) Co., Ltd.

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



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Sample photo:



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

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.1	No.2	No.3
Cadmium(Cd)	2	ND	ND	ND
Conclusion	--	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 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.1	
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) Formaldehyde

Test Method: With reference to EN717-3:1996, analysis was performed by UV-VIS

Test Item	Unit	Result	LOQ	Client's Limit
		No.2		
Formaldehyde (CH ₂ O)	mg/kg	ND	10	80
Conclusion	--	Pass	--	--

Note:

- ND = Not Detected or lower than limit of quantitation
- mg/kg =milligram per kilogram=ppm
- LOQ = Limit of quantitation

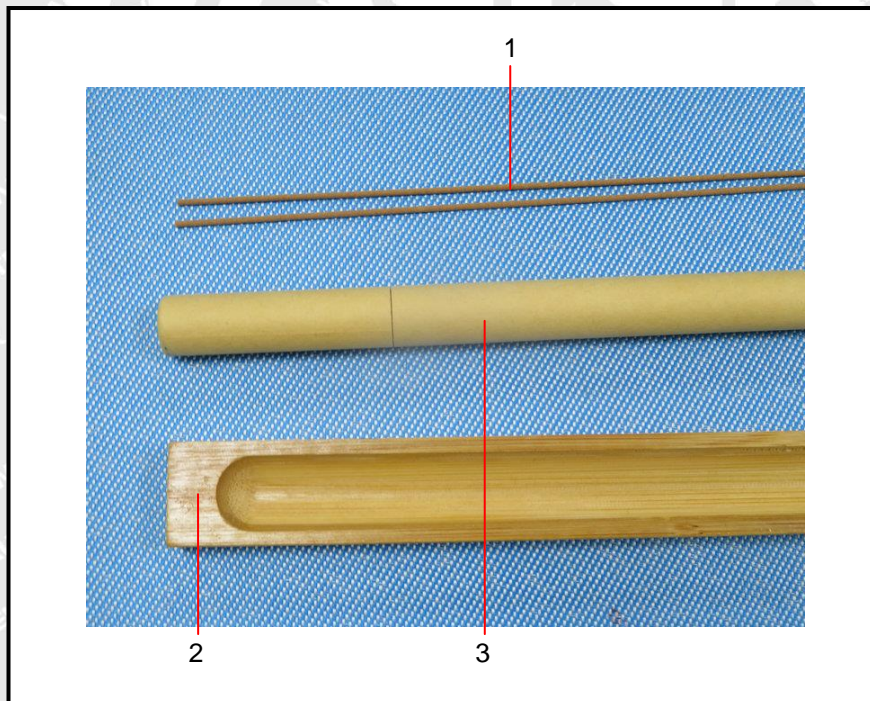
Description for Specimen:

No.1: Yellow fibrous strip

No.2: Yellow wood

No.3: Yellow paper tube

Photograph of parts tested:





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5) Burning safety (EN 15493:2019)

Test Standard : EN 15493:2019 Candles - Specification for Fire Safety
Number of sample(s) tested : 3 pieces of candle for testing
Instruction label : Provided
Burn test cycle : Burn candle continuously until self-extinguishing

Clause	Requirement	Result
		1
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 $(10 \pm 0.2)^\circ$.	NA
4.2	Secondary ignition - No secondary ignition shall occur for more than 10s.	PASS
4.3	Flame height - Maximum 75 mm for all candles except tea lights - Maximum 30 mm for tea lights	PASS
4.4	Self-extinguishing - 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. - 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 $\geq 12\text{mm}$ in case of candles with a diameter of $\leq 14\text{mm}$ and at a residual height of $\geq 18\text{mm}$ in case of other candles.	NA
4.5	Behaviour after extinguishing - After extinguishing the candle shall not spontaneously re-light. - The wick shall not continue to glow or smoke for an average time of more than 30s after extinguishing.	PASS
4.6	Container candles - The container shall not crack or break at any time throughout the burning test.	NA

Note: NA =Not applicable



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Test data

Sample ID	Weight (in net and g)	Size (mm)
A1	0.265	Ø2.00×21.5
A2	0.266	Ø2.02×21.7
A3	0.270	Ø2.01×20.8

Sample ID	Flame height (mm)		Total burn time (hours)	Percentage of burnt (%)	Spillage (%)	Average after smoke or glow time (s)
	Minimum	Maximum				
A1	0	0	1	96.80	--	2
A2	0	0	1	97.03	--	3
A3	0	0	0.5	96.89	--	2

Test Material List

Material No.	Sample Description	Location
1	Incense stick	Individual

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Remarks:

1. The results shown in this test report refer only to the sample(s) tested;
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===== End of Report =====

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