中国认可
国际互认
检测
TESTING
CNAS L6478

TEST REPORT

Report No.	:	WTF24F12291405C
Job No.		FSW2412110383CJ
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	:	Fragrance candle, Christmas candle holder, Squared fragranced candle, Plant based wax candle
Sample Model	:	IT2873, CX1508, MO2235, MO2061, MO2078, MO6986, MO6612, MO6613, MO6621, MO6668
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	:	2024-12-11
Testing period	:	2024-12-11 to 2024-12-17
Date of Issue	:	2024-12-17
Test Result	:	Refer to next page (s)
Note	:	As specified by client, only test the designated sample.

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

Swing Liang

Swing.Liang

WTF24F12291405C

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:

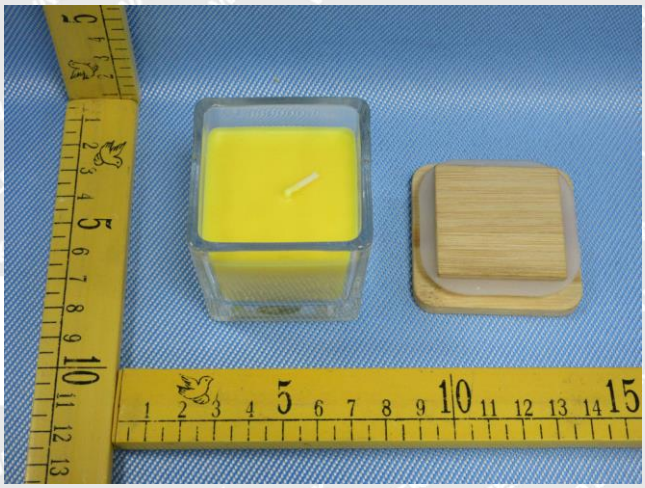
IT2873-01

MO9030-03

MO9030-06

CX1508-09

MO2235-06



MO2235-08

MO2061-06

MO2078-06

MO6986-06

MO6612-02

MO6612-03

MO6612-06

MO6612-09

MO6613-02

MO6613-03

MO6613-06

MO6621-02

MO6621-03

MO6621-06

MO6668-40

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.18	No.3+No.4+No.5	
Lead(Pb)	2	ND*	81*	500
Conclusion	--	**Pass**	**Pass**	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.6	No.7+No.8+No.15	
Lead(Pb)	2	ND	ND*	500
Conclusion	--	**Pass**	**Pass**	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.9+No.17	No.10	
Lead(Pb)	2	ND*	ND	500
Conclusion	--	**Pass**	**Pass**	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.19	No.11+No.14+No.16	
Lead(Pb)	2	47	ND*	500
Conclusion	--	**Pass**	**Pass**	--

Test Item	LOQ (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.12	No.13	No.20	
Lead(Pb)	2	ND	ND	ND	500
Conclusion	--	**Pass**	**Pass**	**Pass**	--

Test Item	LOQ (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.21	No.22+No.24	No.23+No.25	
Lead(Pb)	2	ND	ND*	ND*	500
Conclusion	--	**Pass**	**Pass**	**Pass**	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.26+No.28	No.27+No.29	
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) "*" = Results are calculated by the minimum weight of mixed components.

(6) The test results of No.23, No.25, No.27 and No.29 were based on the wet weight of the raw material.

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.9+No.17
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	**Pass**	**Pass**

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.11+No.14+No.16	No.22+No.24
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	**Pass**	**Pass**

Test Item	LOQ (mg/kg)	Results (mg/kg)		
		No.23+No.25	No.26+No.28	No.27+No.29
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

(5) "*" = Results are calculated by the minimum weight of mixed components.

(6) The test results of No.23, No.25, No.27 and No.29 were based on the wet weight of the raw material.

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.9+No.17	
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.11+No.14+No.16	No.22+No.24	
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.23+No.25	No.26+No.28	No.27+No.29	
Benzyl butyl phthalate (BBP)	0.005	ND*	ND*	ND*	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND*	ND*	ND*	
Dibutyl phthalate (DBP)	0.005	ND*	ND*	ND*	
Diisobutyl phthalate (DIBP)	0.005	ND*	ND*	ND*	
Diisodecyl phthalate (DIDP)	0.01	ND*	ND*	ND*	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	ND*	ND*	ND*	
Di-n-octyl phthalate (DNOP)	0.005	ND*	ND*	ND*	
Conclusion	--	**Pass**	**Pass**	**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.
(6) “*” = Results are calculated by the minimum weight of mixed components.
(7) The test results of No.23, No.25, No.27 and No.29 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.9+No.17		
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**	--	--

Test Items	Unit	Results		LOQ	Limit
		No.11+No.14+No.16	No.22+No.24		
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**	--	--

Test Items	Unit	Results			LOQ	Limit
		No.23+No.25	No.26+No.28	No.27+No.29		
Benzo(a)anthracene (BaA)	mg/kg	ND*	ND*	ND*	0.2	1.0
Chrysene (CHR)	mg/kg	ND*	ND*	ND*	0.2	1.0
Benzo[b]fluoranthene (BbFA)	mg/kg	ND*	ND*	ND*	0.2	1.0
Benzo[k]fluoranthene (BkFA)	mg/kg	ND*	ND*	ND*	0.2	1.0
Benzo(a)pyrene (BaP)	mg/kg	ND*	ND*	ND*	0.2	1.0
Dibenzo[a,h]anthracene (DBAhA)	mg/kg	ND*	ND*	ND*	0.2	1.0
Benzo[j]fluoranthene (BjFA)	mg/kg	ND*	ND*	ND*	0.2	1.0
Benzo[e]Pyrene (BeP)	mg/kg	ND*	ND*	ND*	0.2	1.0
Conclusion	--	**Pass**	**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) “*” = Results are calculated by the minimum weight of mixed components.

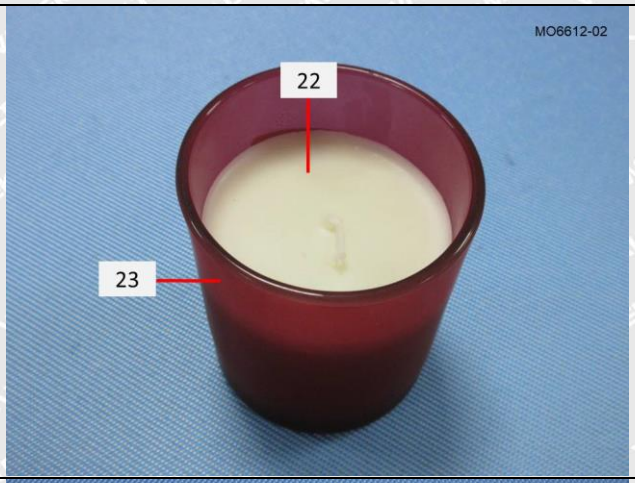
(7) The test results of No.23, No.25, No.27 and No.29 were based on the wet weight of the raw material.

Description for Specimen:

Specimen No.	Specimen Description
1	Brown wooden shell
2	Brown wood part
3	Green plastic part
4	Light green plastic part
5	Green plastic part
6	Brown drawstring
7	Brown paper
8	Dark brown paper
9	Transparent dry glue
10	Transparent glass shell
11	Green candle
12	White candle wick
13	Silvery metal cover
14	Brown candle
15	Dark yellow paper
16	Yellow candle
17	White semi-transparent soft plastic gasket
18	Brown wood lid
19	White ceramic shell
20	Brown cork base
21	White candle with mixture（a whole test）
22	White candle
23	Red coating
24	White candle
25	Black coating
26	White candle
27	White coating
28	White candle
29	Green coating

Photograph of parts tested:

MO2078-06
21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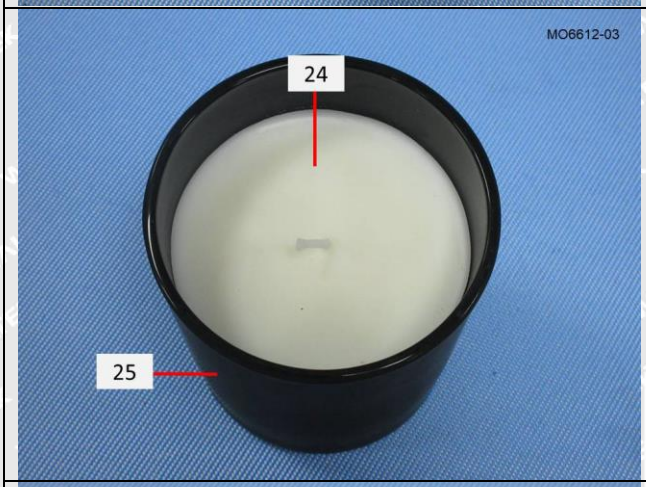
22
23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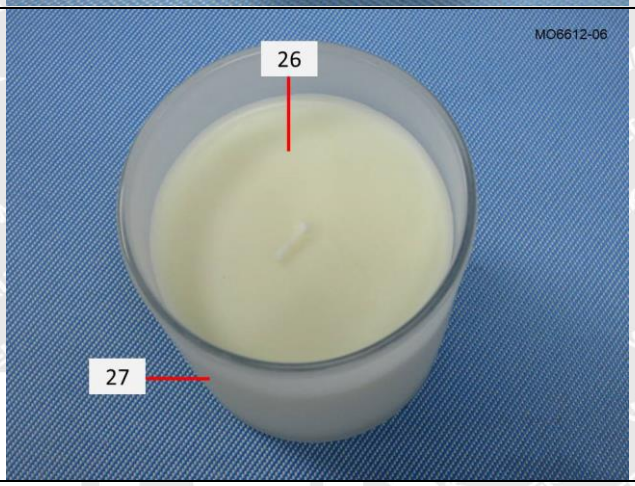
25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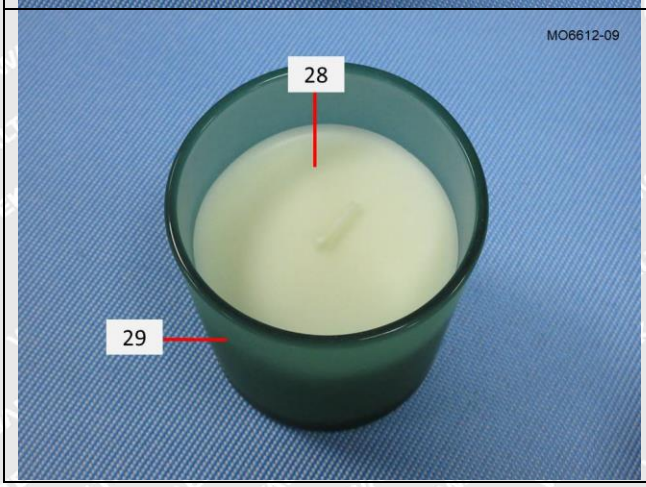
27


MO6612-09
28
29

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Remarks:

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