



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Report No. : WTF22F09193636C

Applicant : Mid Ocean Brands B.V.

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

Manufacturer : 111051

Sample Name : Stationary set in cotton pouch

Sample Model : MO7755

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

Test Conclusion : Refer to next page (s)

Date of Receipt sample : 2022-09-23

Testing period : 2022-09-23 to 2022-10-10

Date of Issue : 2022-10-11

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
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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	--

Test Item	LOQ (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.4+No.11	No.5	No.6	
Lead(Pb)	2	ND*	ND	ND	500
Conclusion	--	Pass	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.7+No.12	No.8	No.9+No.10	
Lead(Pb)	2	ND*	ND	ND*	500
Conclusion	--	Pass	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.13+No.14 +No.15	No.16	No.17	
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.
- (5) "*" = Results are calculated by the minimum weight of mixed components.



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

Test Item	LOQ (mg/kg)	Results (mg/kg)		
		No.4+No.11	No.5	No.6
Cadmium(Cd)	2	ND*	ND	ND
Conclusion	--	Pass	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)		
		No.7+No.12	No.8	No.9+No.10
Cadmium(Cd)	2	ND*	ND	ND*
Conclusion	--	Pass	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)		
		No.13+No.14+No.15	No.16	No.17
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.



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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.6	No.13+No.14 +No.15	
Benzyl butyl phthalate (BBP)	0.005	ND	ND*	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	0.011	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	--

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.



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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	No.4	No.11		
Formaldehyde (CH ₂ O)	mg/kg	ND	ND	11	10	80
Conclusion	--	Pass	Pass	Pass	--	--

Note:

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

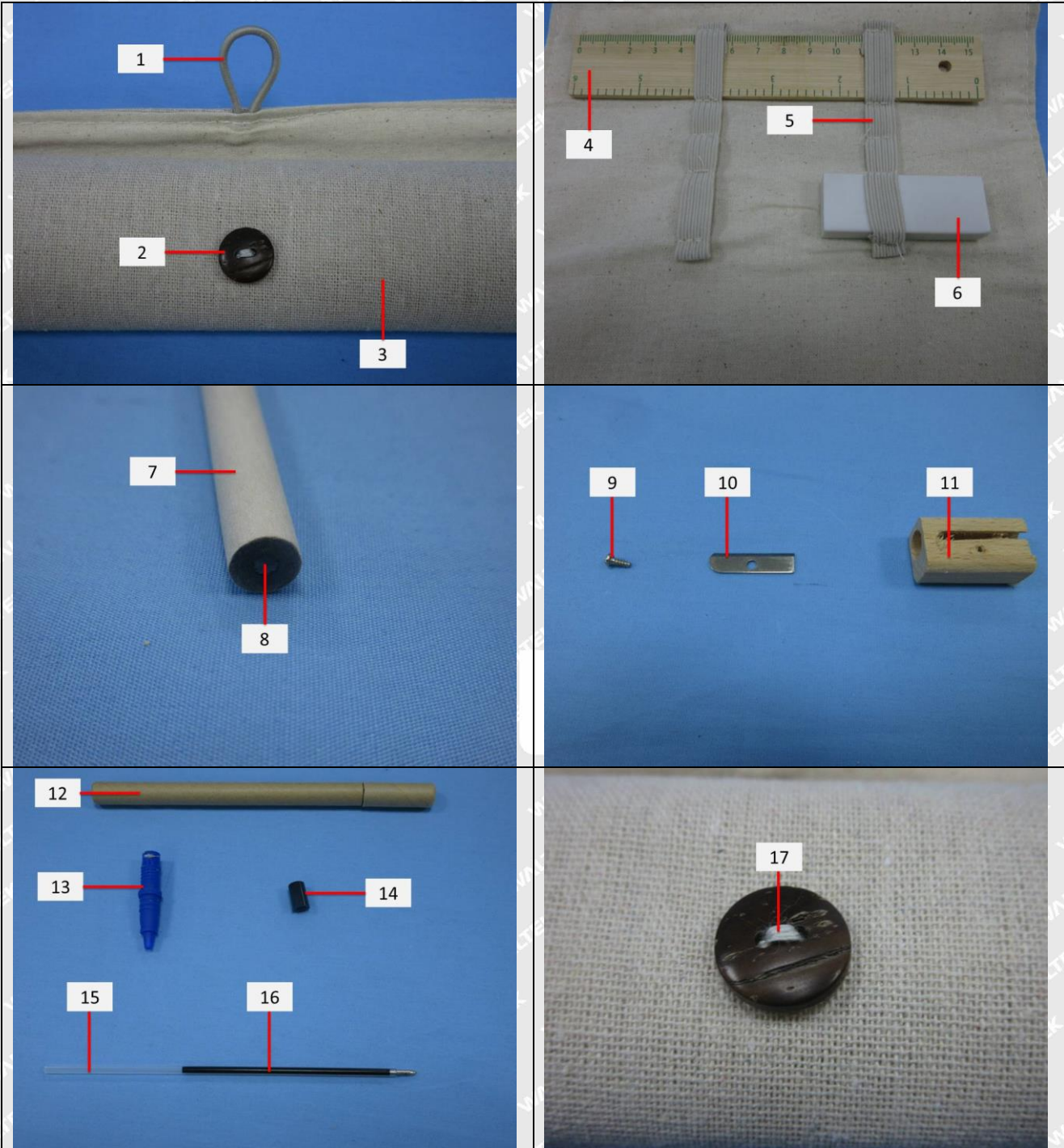
Description for Specimen:

Specimen No.	Specimen Description
1	Beige elastic band
2	Brown wood button
3	Beige main fabric
4	Yellow wood ruler with green printing
5	Beige elastic band
6	White eraser
7	White paper barrel
8	Black carbon core
9	Silvery metal screw
10	Silvery metal blade
11	Yellow wood shell
12	Brown paper barrel
13	Blue plastic cap
14	Black plastic cap
15	Transparent plastic refill
16	Dark blue ink
17	White sewing thread



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Photograph of parts tested:





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Remarks:

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

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