



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Report No. : WTF22F11226911C

Applicant : Mid Ocean Brands B.V.

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

Manufacturer : 107661

Sample Name : Refer to next page (s)

Sample Model : Refer to next page (s)

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

Test Conclusion : Refer to next page (s)

Date of Receipt sample : 2022-11-11

Testing period : 2022-11-11 to 2022-11-17

Date of Issue : 2022-11-17

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



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Specimen No.	Specimen Description	Sample Name	Sample Model
1	Silvery metal clip	Ball pen set in box	MO8217
2	Coppery metal shell with silvery plating		
3	Coppery metal ring with silvery plating		
4	Coppery metal barrel with black plating		
5	Black plastic cap		
6	Coppery metal cap with black plating		
7	Silvery metal spring		
8	Black plastic cap		
9	Black plastic refill		
10	Black ink		
11	Golden metal cap		
12	Blue plastic cap		
13	Silvery metal refill		
14	Silvery metal spring		
15	Coppery metal cap with black coating	Metal twist ball pen	IT3177
16	Silvery metal shell		
17	Coppery metal cap with silvery plating		
18	White plastic shell		
19	Black plastic cap		
20	Silvery metal refill		
21	Black ink		
22	White plastic cap with silvery plating		
23	Silvery metal cap with light silvery plating		



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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+No.6	No.4	
Lead(Pb)	2	ND	120*	39	500
Conclusion	--	Pass	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.5+No.8+No.9	No.7+No.14	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.10+No.21	No.11	
Lead(Pb)	2	ND*	40	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.12+No.18+No.19	No.13+No.20	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.15+No.23	No.16	No.17+No.22	
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.5+No.8+No.9	No.10+No.21
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.12+No.18+No.19	No.15+No.23
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)
		No.17+No.22
Cadmium(Cd)	2	ND*
Conclusion	--	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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Photograph of parts tested:





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Remarks:

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

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