



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Report No. : WTF22F09196192C
Applicant : Mid Ocean Brands B.V.
Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,
Kowloon, Hong Kong
Manufacturer : 104901
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 : 2022-09-28
Testing period : 2022-09-28 to 2022-10-13
Date of Issue : 2022-10-20
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



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Specimen No.	Specimen Description	Sample Name	Sample Model
1	Black plastic cap	Pen Cork, Wheat-Straw, ABS	MO9480
2	Beige plastic cap		
3	Blue plastic cap		
4	Yellow plastic cap		
5	Green plastic cap		
6	Red plastic cap		
7	Brow cork cover barrel		
8	Dark grey plastic cap		
9	Grey plastic cap		
10	Silvery metal spring		
11	White plastic refill		
12	Blue ink		
13	Dark brown plastic cap	Carton ball pen with coffee husk	MO9862
14	Dark brown plastic part		
15	Brown paper barrel		
16	Red plastic cap	Ball pen with Biodegradable parts	MO9830
17	Blue plastic cap		
18	Orange plastic cap		
19	Green plastic cap		
20	Black plastic cap		
21	Red paper barrel		
22	Blue paper barrel		
23	Orange paper barrel		
24	Green paper barrel		
25	Black paper barrel		
26	Red brown plastic cap		
27	Light blue plastic cap		
28	White plastic barrel	Ball pen	MO3314
29	Black plastic barrel		



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Specimen No.	Specimen Description	Sample Name	Sample Model
30	Green plastic barrel	Ball pen	MO3314
31	Pink plastic barrel		
32	Orange plastic barrel		
33	Dark blue plastic barrel		
34	Purple plastic barrel		
35	Sky blue plastic barrel		
36	Red plastic barrel		
37	White semi-transparent plastic shell		
38	Black semi-transparent plastic shell		
39	Green semi-transparent plastic shell		
40	Pink semi-transparent plastic shell		
41	Orange semi-transparent plastic shell		
42	Dark blue semi-transparent plastic shell		
43	Purple semi-transparent plastic shell		
44	Sky blue semi-transparent plastic shell		
45	Red semi-transparent plastic shell		
46	Silvery plastic cap		
47	Silvery metal part		
48	Black plastic cap		
49	White plastic cap		
50	Black plastic barrel with silvery plating	Stylus ball pen	MO8152
51	Blue soft plastic cap		
52	White soft plastic cap		
53	Pink soft plastic cap		
54	Orange soft plastic cap		
55	Green soft plastic cap		



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Specimen No.	Specimen Description	Sample Name	Sample Model
56	Black soft plastic cap	Stylus ball pen	MO8152
57	Red soft plastic cap		
58	Blue soft plastic cap		
59	Black plastic cap		
60	White plastic barrel		
61	Green plastic cap	ABS twist ball pen	MO7793
62	Black plastic cap		
63	Red plastic cap		
64	Blue plastic cap		
65	Orange plastic cap		
66	White plastic barrel		

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Sample photo:



1



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3



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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.4+No.5+No.6	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.7	No.8+No.9+No.11	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.12	No.13+No.14+No.49	
Lead(Pb)	2	ND	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.15+No.21+No.22	No.16+No.17+No.18	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.19+No.20	No.23+No.24+No.25	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.26+No.27+No.48	No.28+No.29+No.30	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--



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Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.31+No.32+No.33	No.34+No.35+No.36	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.37+No.38+No.39	No.40+No.41+No.42	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.43+No.44+No.45		
Lead(Pb)	2	ND*		500
Conclusion	--	Pass		--

Test Item	LOQ (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.46	No.47	No.50	
Lead(Pb)	2	ND	ND	ND	500
Conclusion	--	Pass	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.51+No.52+No.53	No.54+No.55+No.56	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.57+No.58	No.59+No.60	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--



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Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.61+No.62+No.63	No.64+No.65+No.66	
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.

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	No.4+No.5+No.6
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.7	No.8+No.9+No.11
Cadmium(Cd)	2	ND	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.12	No.13+No.14+No.49
Cadmium(Cd)	2	ND	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.15+No.21+No.22	No.16+No.17+No.18
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass



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Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.19+No.20	No.23+No.24+No.25
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.26+No.27+No.48	No.28+No.29+No.30
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.31+No.32+No.33	No.34+No.35+No.36
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.37+No.38+No.39	No.40+No.41+No.42
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.43+No.44+No.45	No.46
Cadmium(Cd)	2	ND*	ND
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.50	No.51+No.52+No.53
Cadmium(Cd)	2	ND	ND*
Conclusion	--	Pass	Pass



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Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.54+No.55+No.56	No.57+No.58
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.59+No.60	No.61+No.62+No.63
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)
		No.64+No.65+No.66
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.

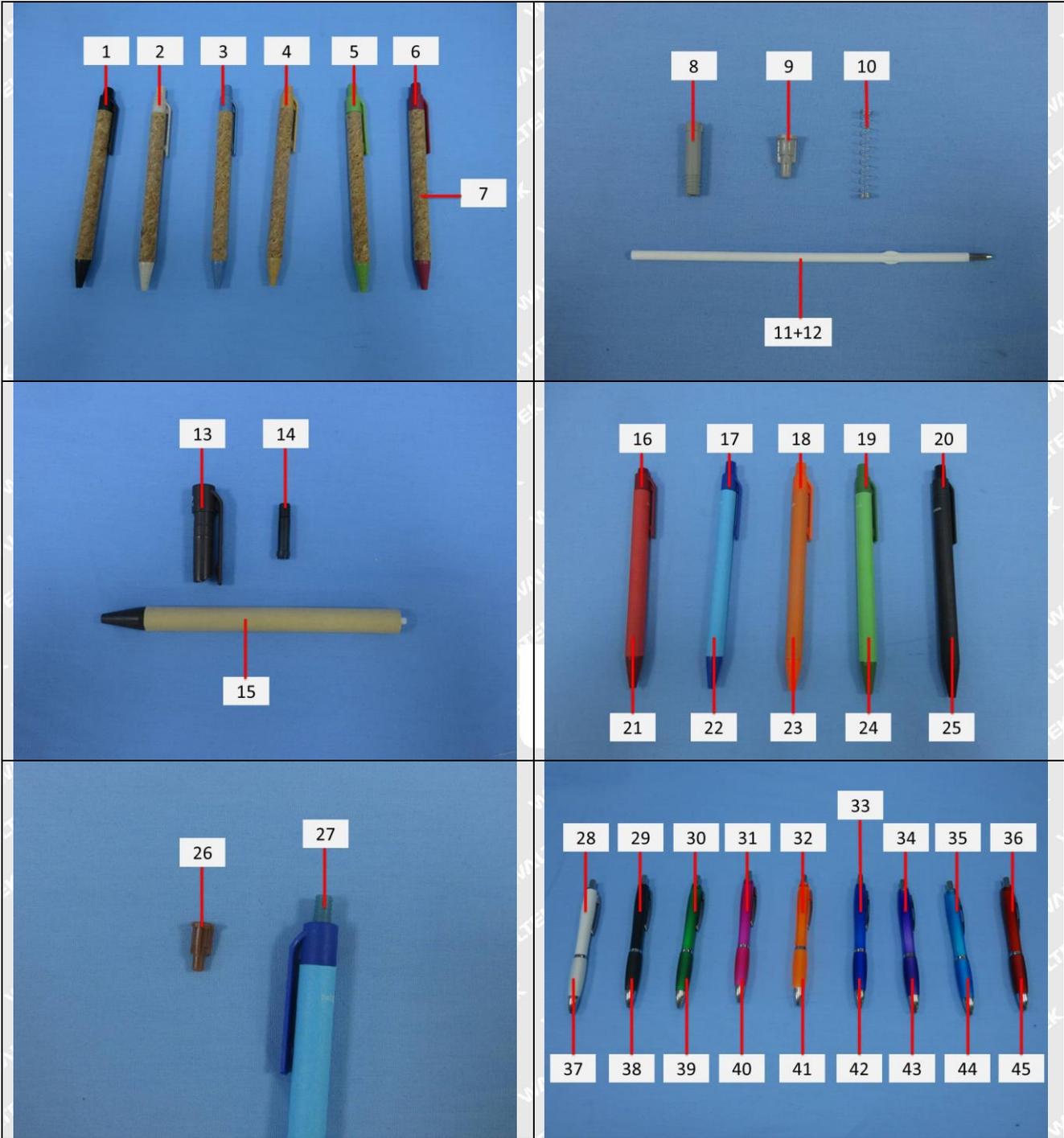
Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100

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



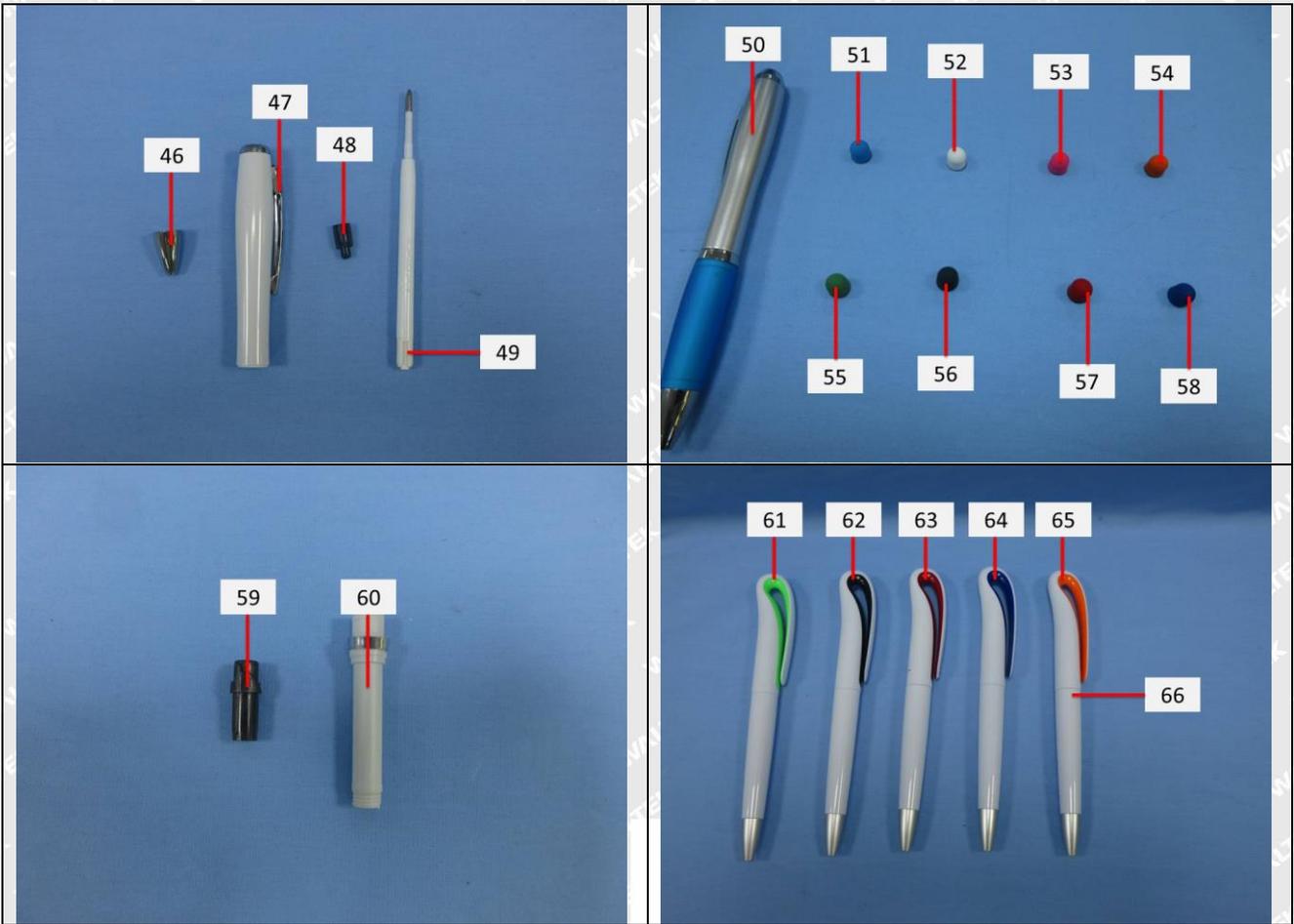
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Photograph of parts tested:





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Remarks:

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

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