

中国认可 国际互认 检测 TESTING CNAS L6478



TEST REPORT

Reference No	WTF18F03105457C
Applicant	Mid Ocean Brands B.V.
Address	Unit 201 2/F., Laford Centre, 838 Lai Chi Kok Road, Cheung Sha Wan, Kowloon, Hong Kong.
Manufacturer	104901
Sample Name	Stylus ball pen, Twist pen in metalized finish
Model No :	MO8152, MO8747
Test Requested :	 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 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 Method	
Test Conclusion :	Please refer to next page (s)
Date of Receipt sample :	2018-03-19
Date of Test	2018-03-19 to 2018-03-26
Date of Issue	2018-03-27
Test Result	Please refer to next page (s)

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of reporter and reviewer.

Prepared By:

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pproved by: WALTEI hang /Lab Manager



Test Result:

1) Lead (Pb)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	MDL		Limit w		
	(mg/kg)	No.1 4	No.2	No.3	(mg/kg)
Lead(Pb)	2	ND	ND S	ND	500
Conclusion	JER NER IN	Pass w	Pass	Pass	t - tet

Test Item	MDL S		_d− Limit ⁺		
	(mg/kg)	No.4	No.5	No.6	(mg/kg)
Lead(Pb)	2,5	ND ND	ND	ND	500
Conclusion		Pass	Pass	Pass	me - m

Test Item	MDL		Limit		
	(mg/kg)	No.7	No.8	No.9	(mg/kg)
Lead(Pb)	2	ND A	ND	ND V	500
Conclusion	er untite unti	Pass	Pass	Pass	Alt Stat

Toot Kom	MDL	ner i	Results (mg/kg)	at at all	Limit
Test Item	(mg/kg)	No.10	No.11	No.12	(mg/kg)
Lead(Pb)	2	ND ND	ND	ND A	500
Conclusion		Pass	Pass	Pass	<u>.</u> <u>.</u>

	MDL	the street	Results (mg/kg)	the way way	Limit
Test Item	(mg/kg)	No.13	No.14	No.15	(mg/kg)
Lead(Pb)	2	ND	ND ND	ND M	500
Conclusion		Pass	Pass	Pass	NETE- NET

Table Roman Lifer	MDL W	Results	(mg/kg)	Limit	
Test Item	(mg/kg)	No.16	No.17	(mg/kg)	
Lead(Pb)	2	ND	ND of	500	
Conclusion	t it - it	Pass	Pass		

Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than MDL)
- (3) MDL = Method Detection Limit
- (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.

Tool Home	MDL	nite wait way	Results (mg/kg)	
Test Item	(mg/kg)	No.1	No.2	No.4
Cadmium(Cd)	2. 1 M	ND ND	ND	ND A
Conclusion	4 - 4 4	Pass	Pass	Pass

Junt Jun Ju	MDL	at set a	Results (mg/kg)	
Test Item	(mg/kg)	No.5	No.6	A No.7
Cadmium(Cd)	2	ND ND	ND S	M ND M
Conclusion	WALTE WALL W	Pass	Pass	Pass

Toot Kom Aliet	MDL M	Results (mg/kg)			
Test Item	(mg/kg)	No.8	No.9	No.12	
Cadmium(Cd)	in 2 m	ND	ND	ND [®]	
Conclusion	4 18 - 1	Pass	Pass	Pass	

Teat Kom	MDL	IE II NETE	Results (mg/kg)	Any an	
Test Item	(mg/kg)	No.13	No.14	No.15	
Cadmium(Cd)	2	ND	ND ND	ND	
Conclusion	her me it	Pass	Pass	Pass	

The Hall In	MDL	Results	(mg/kg)
Test Item	(mg/kg)	(mg/kg) No.16	
Cadmium(Cd)	w 2 1	ND	ND ND
Conclusion		Pass	Pass

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than MDL)

(3) MDL = Method Detection Limit

(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



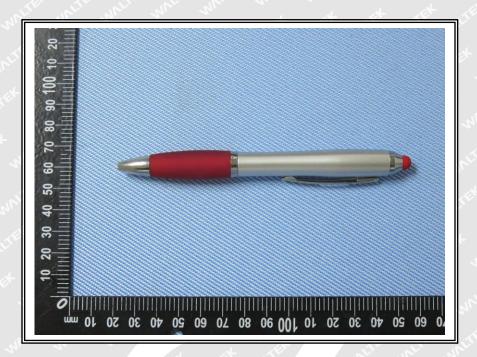
Test Specimen Description:

No.1: Red coating No.2: Black coating No.3: Silvery metal clip without black coating No.4: Black plastic cap No.5: Black plastic sleeve No.6: Black plastic stopper No.7: Black soft plastic cap No.8: White plastic sleeve No.9: White plastic sleeve No.10: Blue ink No.11: Silvery metal spring No.12: Black plastic sleeve without silvery coating No.13: Grey-white plastic sleeve without red coating No.14: White plastic cap with silvery plating No.15: Red plastic sleeve No.16: Silvery coating No.17: Red soft plastic cap

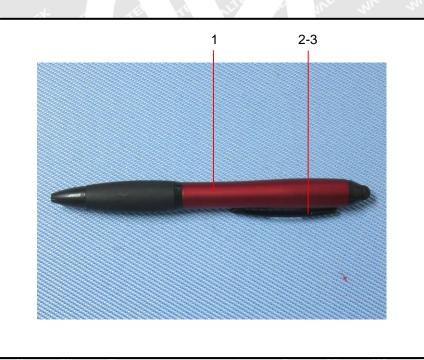
Sample photo:





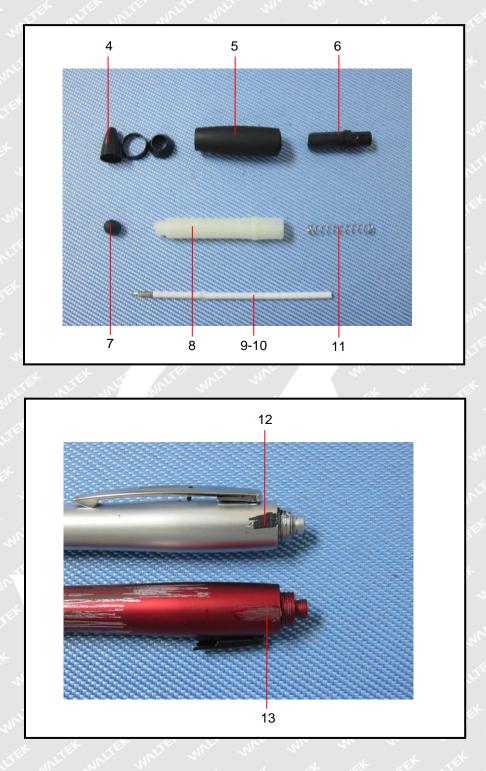


Photographs of parts tested:



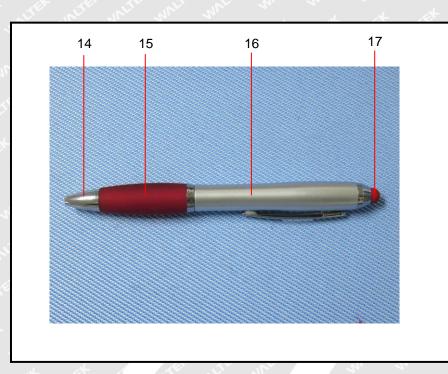
Page 6 of 7





Page 7 of 7





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

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