



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Reference No.** ..... : WTF20F10079653A1C  
**Applicant** ..... : Mid Ocean Brands B.V.  
**Address** ..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong  
**Manufacturer** ..... : 115375  
**Sample Name** ..... : Long lasting inkless pen.  
**Model No.** ..... : MO6214  
**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 Method** ..... : Please refer to next page (s)  
**Test Conclusion** ..... : Please refer to next page (s)  
**Date of Receipt sample** ..... : 2020-10-29  
**Date of Test** ..... : 2020-10-29 to 2020-11-03  
**Date of Issue** ..... : 2020-11-05  
**Test Result** ..... : Please refer to next page (s)  
**Note** ..... : As specified by client, only test the designated sample.

**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 compiler and approver.  
 If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.

**Prepared By:**

**Waltek Testing Group (Foshan) Co., Ltd.**

Address: No.13-19, 2/F., 2nd Building, Sunlink International Machinery City, Chencun, Shunde District, Foshan, Guangdong, China

Tel:+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Compiled by:

Approved by:

*Rena Chen*

*Swing Liang*

Rena.Chen / Project Engineer

Swing.Liang / Technical Manager

**Test Result:****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	#1.94×10 <sup>4</sup>	ND	ND	500
<b>Conclusion</b>	--	<b>See note</b>	<b>Pass</b>	<b>Pass</b>	--

Test Item	MDL (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.4	No.5	
Lead(Pb)	2	ND	ND	500
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	--

**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) # = According to the declaration from client, the source of lead in test sample could be from the tips of writing instruments is exempted by the amendment 2015/628/EU.

**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.2	No.4
Cadmium(Cd)	2	ND	ND
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>

**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.

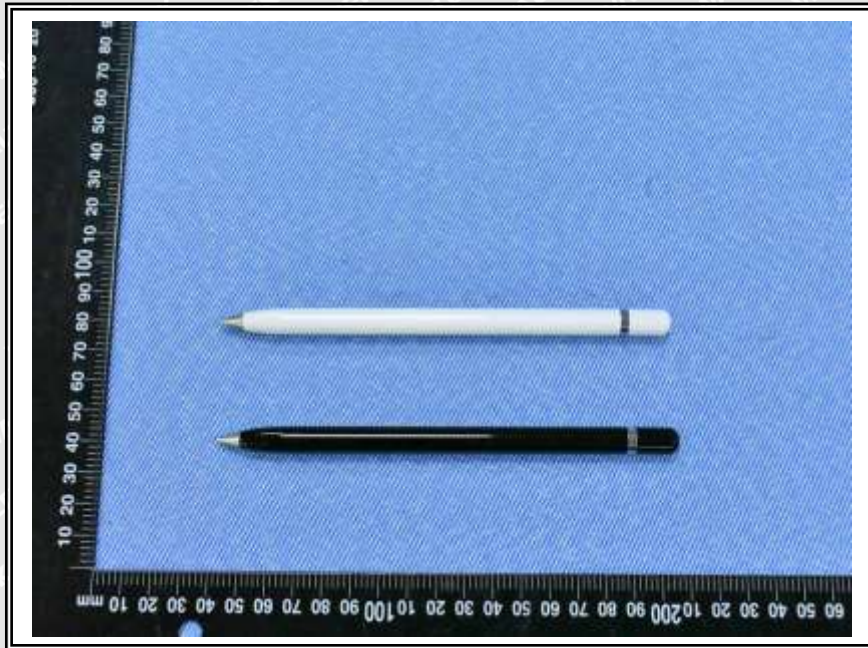
Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100



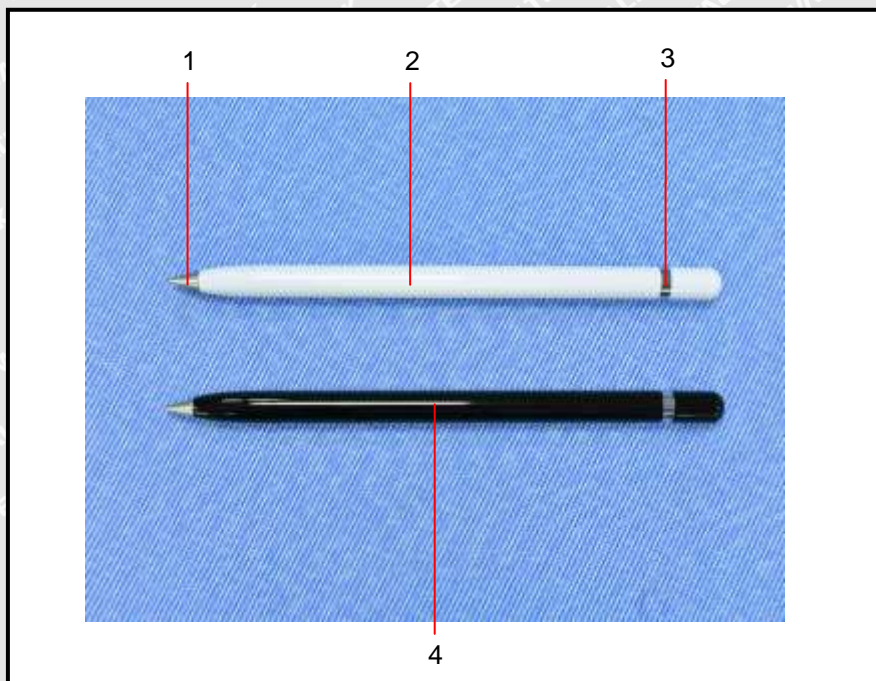
**Test Specimen Description:**

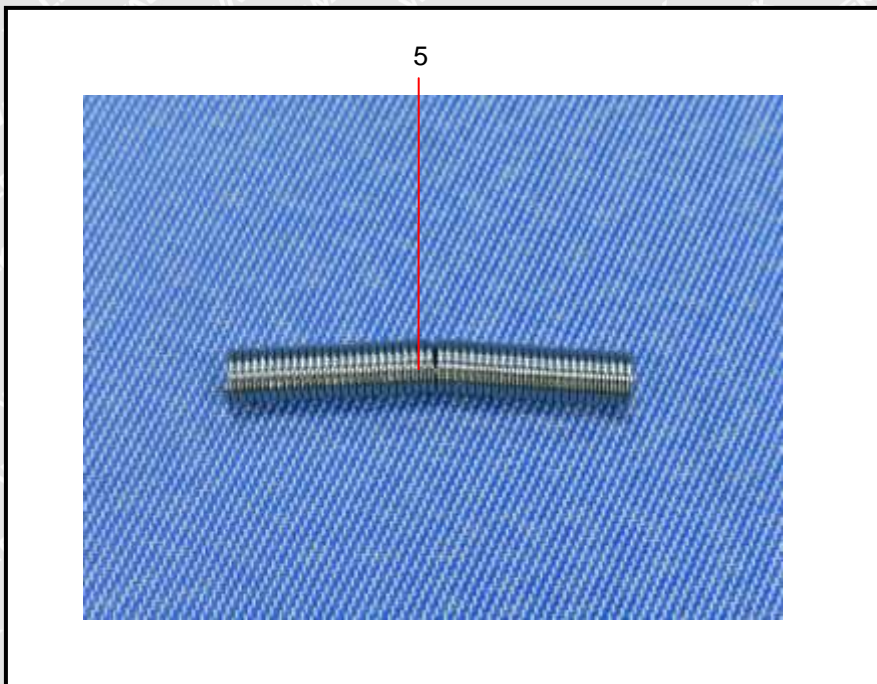
- No.1: Silvery pen point
- No.2: Silvery metal barrel with white coating
- No.3: Silvery metal ring
- No.4: Silvery metal barrel with black coating
- No.5: Silvery metal spring

**Sample photo:**



**Photographs of parts tested:**





==== End of Report ====



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