中国认可
国际互认
检测
TESTING
CNAS L6478

TEST REPORT

Reference No.	:	WTF20F03006360C
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	:	ABS twist ball pen, ABS twist action pen, Velvet pouch, Paper sleeve
Model No.	:	MO7793, MO8793, MO8824, MO8825
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	:	2020-03-02
Date of Test	:	2020-03-02 to 2020-03-05
Date of Issue	:	2020-03-05
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 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 Services (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: Rena.Chen
Rena.Chen / Project Engineer

Approved by: Swing Liang
Swing.Liang / 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 (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.1+No.9	No.2+No.10	No.3+No.11	
Lead(Pb)	2	ND*	ND*	ND*	500
Conclusion	--	**Pass**	**Pass**	**Pass**	--

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.4+No.12	No.5+No.6+No.7	No.8+No.16	
Lead(Pb)	2	ND*	ND*	ND*	500
Conclusion	--	**Pass**	**Pass**	**Pass**	--

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.13+No.14+No.15	No.17	No.18	
Lead(Pb)	2	ND*	ND	ND	500
Conclusion	--	**Pass**	**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.

(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	MDL (mg/kg)	Results (mg/kg)		
		No.1+No.9	No.2+No.10	No.3+No.11
Cadmium(Cd)	2	ND*	ND*	ND*
Conclusion	--	**Pass**	**Pass**	**Pass**

Test Item	MDL (mg/kg)	Results (mg/kg)	
		No.5+No.6+No.7	No.8+No.16
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	**Pass**	**Pass**

Test Item	MDL (mg/kg)	Results (mg/kg)	
		No.13+No.14+No.15	No.17
Cadmium(Cd)	2	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.

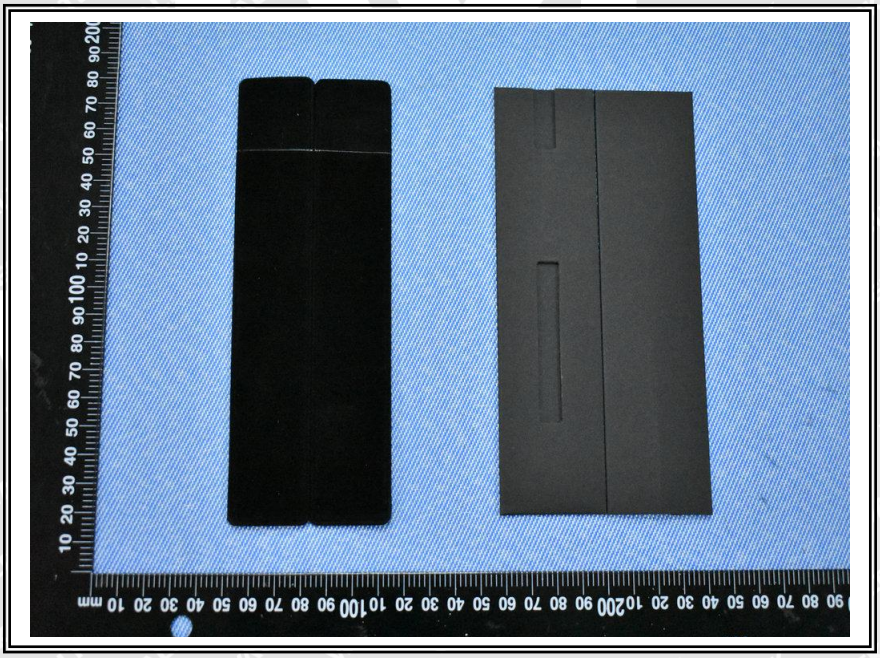
Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100

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

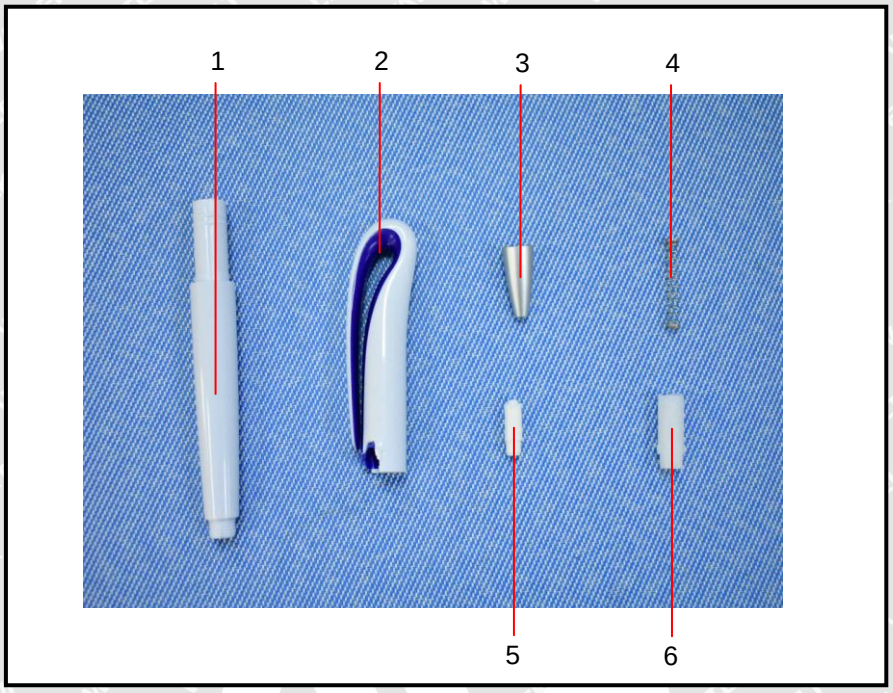
Test Specimen Description:

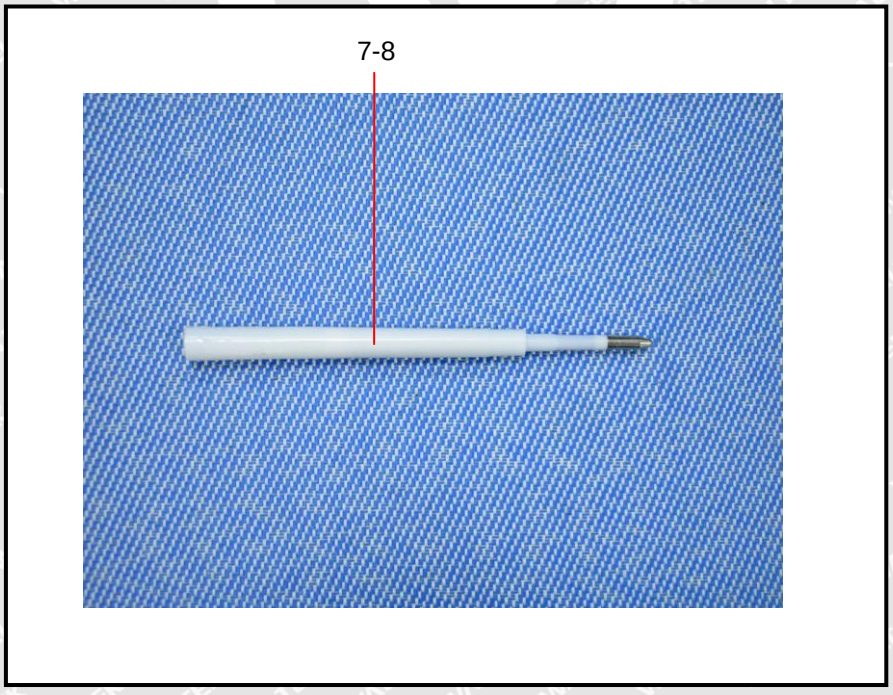
No.1: White plastic barrel
No.2: Blue plastic barrel
No.3: Black plastic cap with silvery coating
No.4: Silvery metal spring
No.5: White plastic end
No.6: White plastic end
No.7: White plastic refill
No.8: Black ink
No.9: Black plastic barrel
No.10: Blue plastic barrel
No.11: Black plastic cap with silvery coating
No.12: Silvery metal spring
No.13: White plastic end
No.14: White plastic end
No.15: White plastic refill
No.16: Blue ink
No.17: Black velvet pouch
No.18: Black paper sleeve

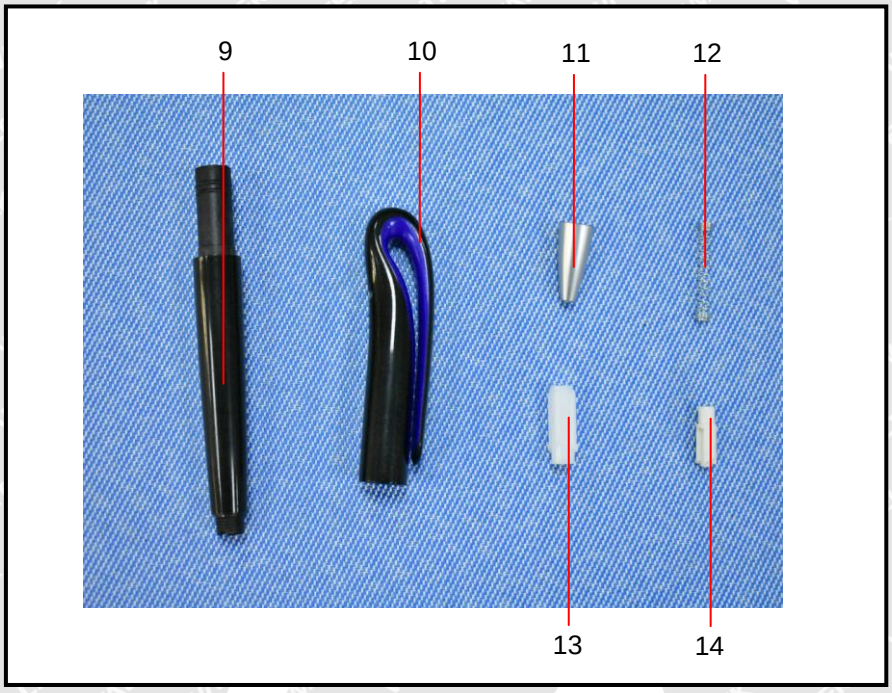
Sample photo:

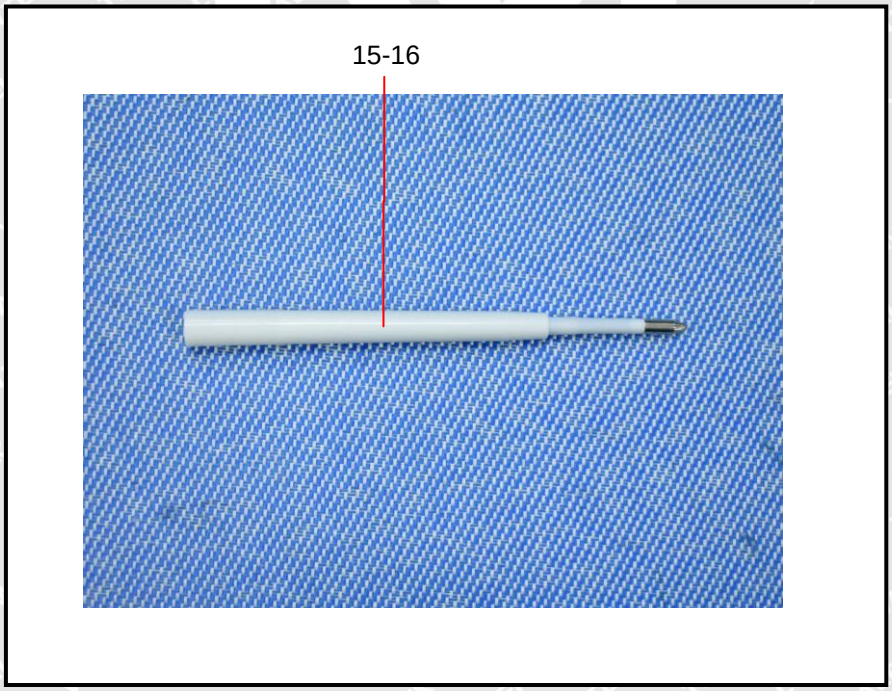


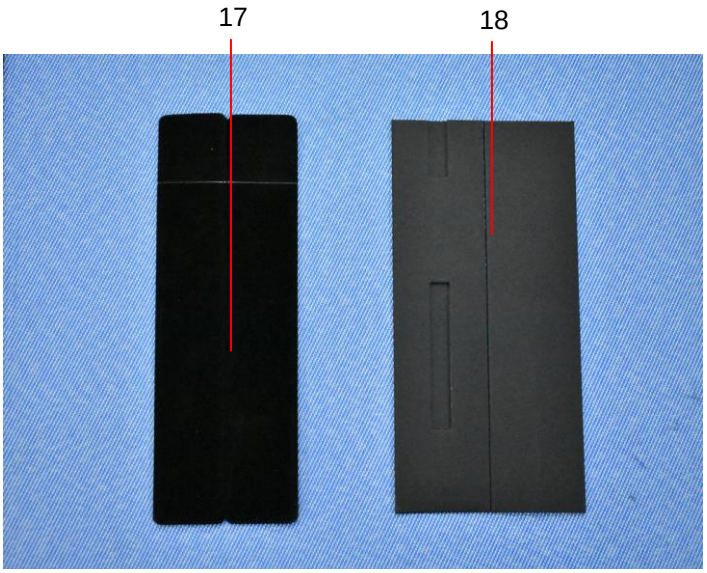
Photographs of parts tested:






9
10
11
12
13
14


15-16



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