



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Reference No. : WTF19F10071704A2C
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 : Pen and roller in paper box
Model No. : MO8216
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 : 2019-10-17 & 2019-11-11
Date of Test : 2019-10-17 to 2019-11-12
Date of Issue : 2019-11-13
Test Result : Please refer to next page (s)
Note : The test points were selected by the applicant.

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.

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**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.10 | No.2+No.3+No.5 | No.4 | |
| Lead(Pb) | 2 | ND* | ND* | ND | 500 |
| Conclusion | -- | Pass | Pass | Pass | -- |

| Test Item | MDL (mg/kg) | Results (mg/kg) | | Limit (mg/kg) |
|-------------------|----------------|-----------------|-------------|------------------|
| | | No.6+No.11 | No.7+No.12 | |
| Lead(Pb) | 2 | ND* | ND* | 500 |
| Conclusion | -- | Pass | Pass | -- |

| Test Item | MDL (mg/kg) | Results (mg/kg) | | Limit (mg/kg) |
|-------------------|----------------|-----------------|-------------|------------------|
| | | No.8+No.13 | No.9+No.14 | |
| Lead(Pb) | 2 | ND* | ND* | 500 |
| 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 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 | MDL (mg/kg) | Results (mg/kg) | |
|-------------------|----------------|-----------------|-------------|
| | | No.6+No.11 | No.7+No.12 |
| 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: Silvery metal clip
- No.2: Silvery metal ring
- No.3: Silvery metal barrel
- No.4: Black coating
- No.5: Silvery metal cap
- No.6: Blue plastic end
- No.7: Blue ink
- No.8: Silvery metal refill
- No.9: Silvery metal spring
- No.10: Silvery metal cap with black coating
- No.11: Black plastic stopper
- No.12: Black ink
- No.13: Silvery metal refill
- No.14: Silvery metal spring

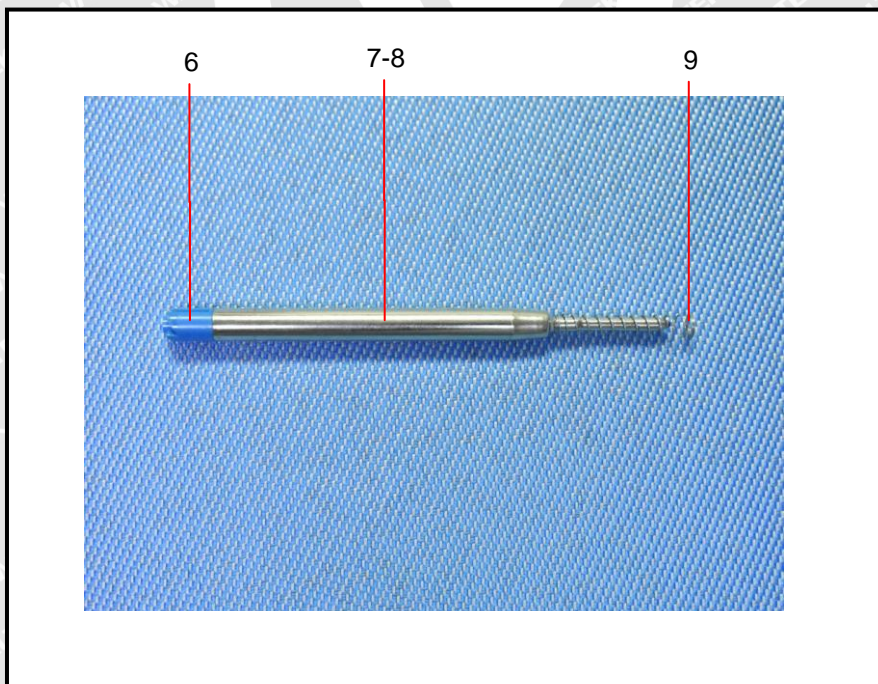
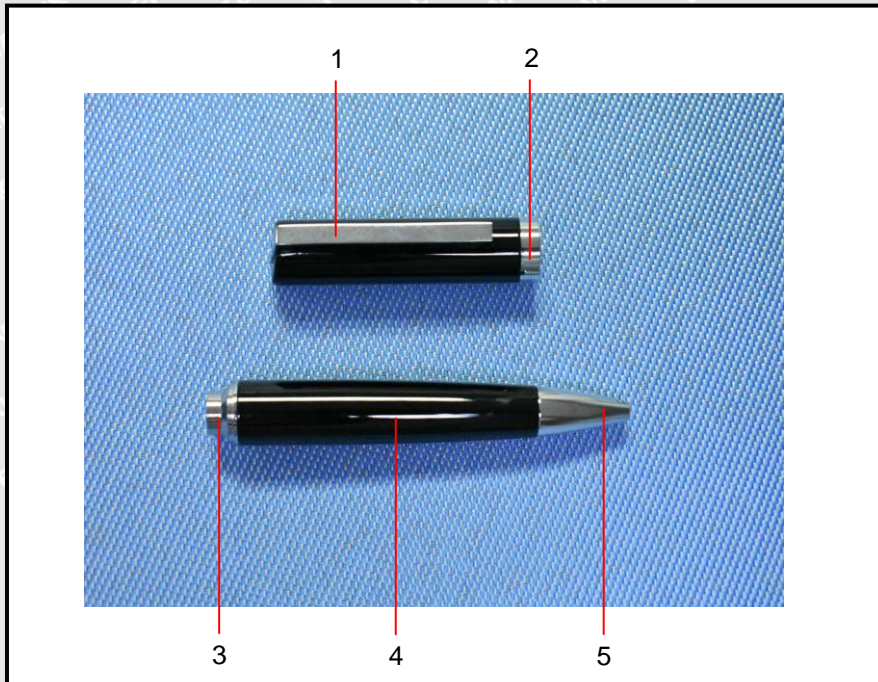


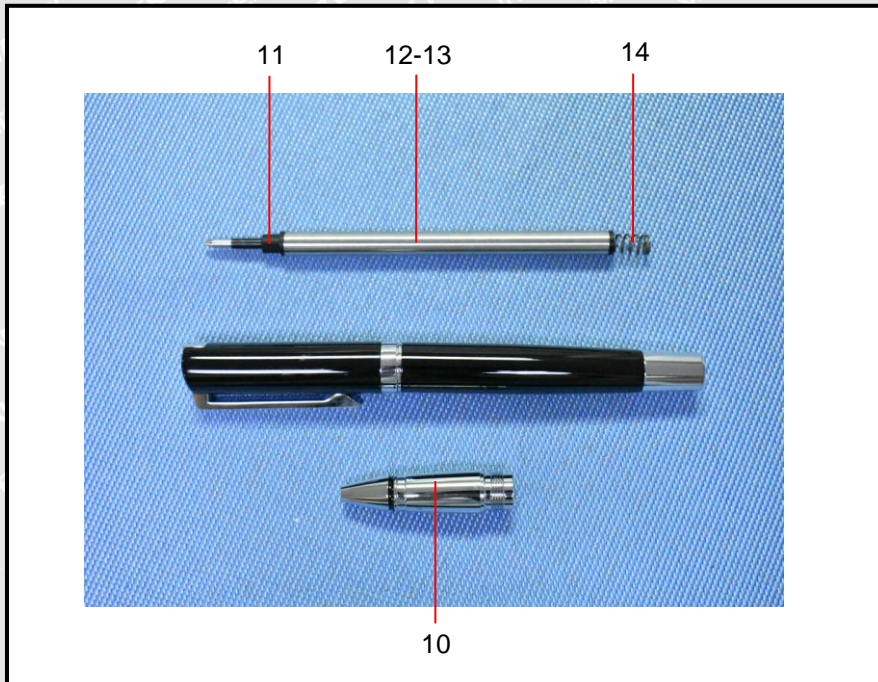
Sample photo:





Photographs of parts tested:





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

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