



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Reference No. : WTF19F07044985C
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 : PP push type pen
Model No. : MO9614
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 : 2018-09-11 & 2019-07-04
Date of Test : 2018-09-11 to 2018-09-15 & 2019-07-04 to 2019-07-10
Date of Issue : 2019-07-10
Test Result : Please refer to next page (s)
Note : As per client's requirement, the results of specimen from No.4 to No.6 were quoted from Report No. WTF18F09123562C.

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.

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Approved by:



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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.2 | No.3 | |
| 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.5 | No.6 | |
| 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.

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.2 | No.3 | No.4 | No.5 |
| Cadmium(Cd) | 2 | ND | ND | ND | ND | ND |
| Conclusion | -- | Pass | Pass | 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 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:

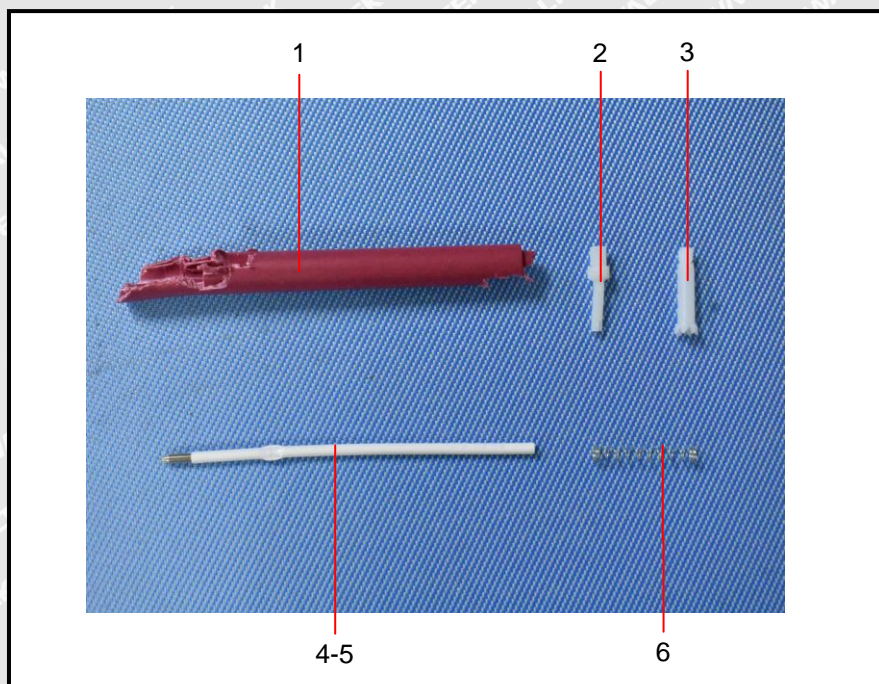
- No.1: Red plastic sleeve
- No.2: White plastic end
- No.3: White plastic end
- No.4: Blue ink
- No.5: White plastic refill
- No.6: Silvery metal spring

Sample photo:





Photographs of parts tested:



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

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