

Report No.: 168363727a 001 Page 1 of 7

Client: MID OCEAN BRANDS B.V.

Contact Information: 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

Manufacturer's name: 116428

Test item(s): 1 set of Bamboo blue gel ink roller

**Identification/
Model No(s):** Product name: Bamboo blue gel ink roller
MO6558

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2022-03-22

Testing Period: 2022-03-23 to 2022-03-31

Place of testing: Chemical laboratory Shenzhen

| Test Specification: | Test result: |
|---|---------------------|
| 1. REACH Regulation (EC) No. 1907/2006, the last amendment (EU) 2015/628 entry 63 of Annex XVII - Total Lead Content | PASS |
| 2. Total Cadmium Content - REACH regulation (EC) No. 1907/2006 Annex XVII Item 23 and its amendments (EC) No. 552/2009, (EU) No. 494/2011, (EU) No. 835/2012 and (EU) No. 217/2016. | PASS |
| 3. Customer's requirement: Formaldehyde content | PASS |

Other information:

- (1) Information provided by customer:
Country of Origin: CHINA
Sales Destination: EUROPE

For and on behalf of
TÜV Rheinland (Shenzhen) Co., Ltd.



Helen Zhang / Section Manager

2022-04-06

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Material List:Item: Product name: Bamboo blue gel ink roller
MO6558

| Material No. | Material | Color | Location |
|--------------|---------------|-------------------------|----------------|
| M001 | Plastic+Metal | Off white/bright silver | Refer to photo |
| M002 | Metal | Bright silver | Refer to photo |
| M003 | Bamboo | Natural color | Refer to photo |
| M005 | Plastic | White | Refer to photo |
| M006 | Plastic | White | Refer to photo |
| M007 | Ink | Blue | Refer to photo |
| M008 | Plastic | White | Refer to photo |
| M009 | Plastic | Black | Refer to photo |
| M010 | Plastic | Beige | Refer to photo |
| M011 | Rubber | Transparent white | Refer to photo |

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1.Total Lead

Test Method: CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 and CPSC-CH-E1003-09.1 (Microwave method)

Test result:

| Test No. | Material No. | Test Parameter | Unit | RL | Regulatory Requirement | Test Result |
|----------|--------------|----------------|------|-------|------------------------|-------------|
| T001 | M001 | Lead Content | % | 0.001 | 0.05 | < RL |
| T002 | M005 + M006 | Lead Content | % | 0.001 | 0.05 | < RL |
| T003 | M008 + M009 | Lead Content | % | 0.001 | 0.05 | < RL |
| T004 | M007 | Lead Content | % | 0.001 | 0.05 | < RL |
| T005 | M002 | Lead Content | % | 0.001 | 0.05 | < RL |

Abbreviation: < = less than
 RL = Reporting Limit
 % = percentage

Remark:

* Regulation on Lead:

| Country | Legislation | Maximum Permissible Limit |
|---------|---|---|
| EU | Paragraph 1-6 of Entry 63 of Annex XVII, REACH Regulation (EC) No. 1907/2006 | For Jewellery, imitation jewellery, hair accessories, bracelets, necklaces, rings, piercing jewellery, wrist watches, wrist-wear, brooches and cufflinks and parts used for jewellery-making 0.05% (by weight of the individual part) |
| | Paragraph 7-10 of Entry 63 of Annex XVII, REACH Regulation (EC) No. 1907/2006 | Articles supplied to the general public during normal or reasonably foreseeable conditions of use, be placed in the mouth by children 0.05% (by weight of the individual part) The limit shall not apply where it can be demonstrated that the rate of lead release from such an article or any such accessible part of an article, whether coated or uncoated, does not exceed 0,05 µg/cm ² per hour (equivalent to 0,05 µg/g/h), and, for coated articles, that the coating is sufficient to ensure that this release rate is not exceeded for a period of at least two years of normal or reasonably foreseeable conditions of use of the article. |

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2.Total Cadmium Content

Test Method: For plastic: EN 1122:2001 (method B)
For metal and other material: Acid digestion, analyzed by AAS/ ICP-OES

Test Result:

| Test No. | Material No. | Test Parameter | Unit | RL | Test Result |
|----------|--------------|----------------|-------|----|-------------|
| T001 | M001 | Trial 1 | mg/kg | 10 | < RL |
| | | Trial 2 | mg/kg | 10 | -- |
| | | Average | mg/kg | 10 | -- |
| T002 | M005 + M006 | Trial 1 | mg/kg | 10 | < RL |
| | | Trial 2 | mg/kg | 10 | -- |
| | | Average | mg/kg | 10 | -- |
| T003 | M008 + M009 | Trial 1 | mg/kg | 10 | < RL |
| | | Trial 2 | mg/kg | 10 | -- |
| | | Average | mg/kg | 10 | -- |
| T004 | M007 | Trial 1 | mg/kg | 10 | < RL |
| | | Trial 2 | mg/kg | 10 | -- |
| | | Average | mg/kg | 10 | -- |
| T005 | M010 + M011 | Trial 1 | mg/kg | 10 | < RL |
| | | Trial 2 | mg/kg | 10 | -- |
| | | Average | mg/kg | 10 | -- |

Abbreviation: < = less than
RL = Reporting Limit
mg/kg = milligram per kilogram

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Remark:

*Regulations on Cadmium

| | | Maximum Permissible Limit | | | | |
|----|--|---------------------------|-------------------|-------------------------------|---------------------------|--|
| EU | Legislation | Plastic materials | Paint (wet state) | Paint on the painted articles | Paint (high zinc content) | Metal parts of jewellery and imitation jewellery articles and hair accessories |
| EC | REACH regulation (EC) No. 1907/2006 Annex XVII Item 23 and its amendments (EC) No. 552/2009, (EU) No. 494/2011, (EU) No. 835/2012 and (EU) No. 217/2016. | 100mg/kg | 100mg/kg | 1000mg/kg | 1000mg/kg | 100mg/kg |

| | | Maximum Permissible Limit |
|-------------|--|---|
| Country | Legislation | Paint, plastic, plating/ coating of surface treatment |
| Switzerland | Switzerland Chemikalien-Risikoreduktions-Verordnung-ChemRRV, 814.81, 18 May 2005 | 100mg/kg |

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3. Formaldehyde content (EN 717-3)

Test Method: EN 717-3: 1996

Result:

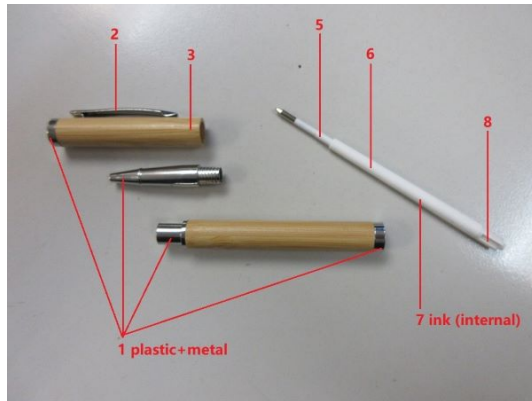
| Test No. | Material No. | Formaldehyde Content (mg/kg) | | | Customer's Requirement | Moisture content (%) | Density (kg/m ³) |
|----------|--------------|------------------------------|---------|------|------------------------|----------------------|------------------------------|
| | | RL: 10 | | | | | |
| | | Trial 1 | Trial 2 | Mean | | | |
| T001 | M003 | < RL | < RL | < RL | 80 | 10.0 | 765 |

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram
 % = percentage
 kg/m³ = kilogram per cubic metre
 NA = Not Applicable

Remark:

*1 The sample was packed in polyethylene bag and wrapped by aluminum foil prior to test.

Sample Photos



- END -

Test Report

Report No. : AGC05443220602-001

SAMPLE NAME : Pen Refill
MODEL NAME : MO6558
APPLICANT : MID OCEAN BRANDS B.V
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Jun.10, 2022

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.



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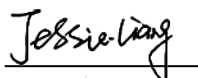
Applicant : MID OCEAN BRANDS B.V
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,
: Hong Kong.
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
: Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name : Pen Refill
Model : MO6558
Vendor code : 116428
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : Jun.07, 2022
Testing Period : Jun.07, 2022 to Jun.10, 2022

Test Requested:

1. As specified by client, to determine the Lead(Pb) content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006.
2. As specified by client, to determine the Cadmium(Cd) content in the submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006.

Conclusion**Pass****Pass**Approved by: 

Liangdan, Jessie.Liang

Technical Director

Report Revise Record

| Report Version | Issued Date | Valid Version | Notes |
|----------------|--------------|---------------|-----------------|
| / | Jun.10, 2022 | Valid | Initial release |

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Test Result:
1. Test Result of Lead(Pb) Content

| | |
|--------------------------------|-------------------------------|
| Test Item | Lead(Pb) (CAS No.: 7439-92-1) |
| Limit(mg/kg) | <500 |
| MDL(mg/kg) | 10 |
| Test Method/ Instrument | IEC 62321-5:2013/ ICP-OES |

| Test point | Test result (mg/kg) | Conclusion |
|------------|---------------------|------------|
| | Lead(Pb) | |
| 1-1 | N.D. | Conformity |
| 1-2▲ | N.D. | Conformity |

2. Test Result of Cadmium(Cd) Content

| | |
|--------------------------------|----------------------------------|
| Test Item | Cadmium(Cd) (CAS No.: 7440-43-9) |
| Limit(mg/kg) | <100 |
| MDL(mg/kg) | 10 |
| Test Method/ Instrument | IEC 62321-5:2013/ ICP-OES |

| Test point | Test result (mg/kg) | Conclusion |
|------------|---------------------|------------|
| | Cadmium(Cd) | |
| 1-1 | N.D. | Conformity |
| 1-2▲ | N.D. | Conformity |

Note:

mg/kg = milligram per kilogram

N.D.=Not Detected (less than method detection limit)

MDL = Method Detection Limit

Remark:

- ▲=The result of wet sample.
- As specified by client, only test the designated sample.

Test Point Description

| Test point | Test point description |
|------------|--------------------------|
| 1-1 | Transparent plastic tube |
| 1-2 | Blue ink |

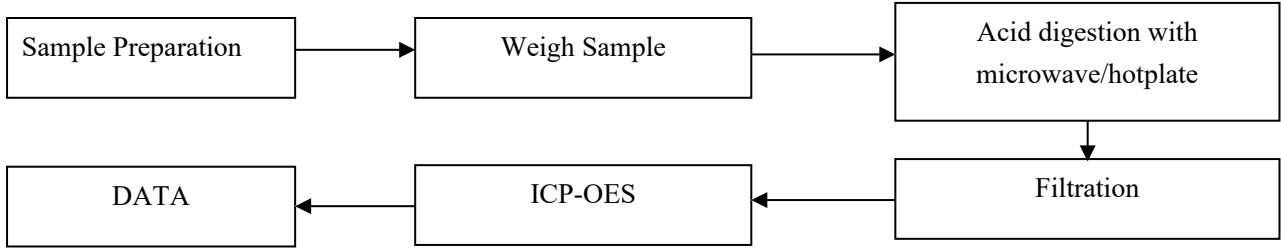
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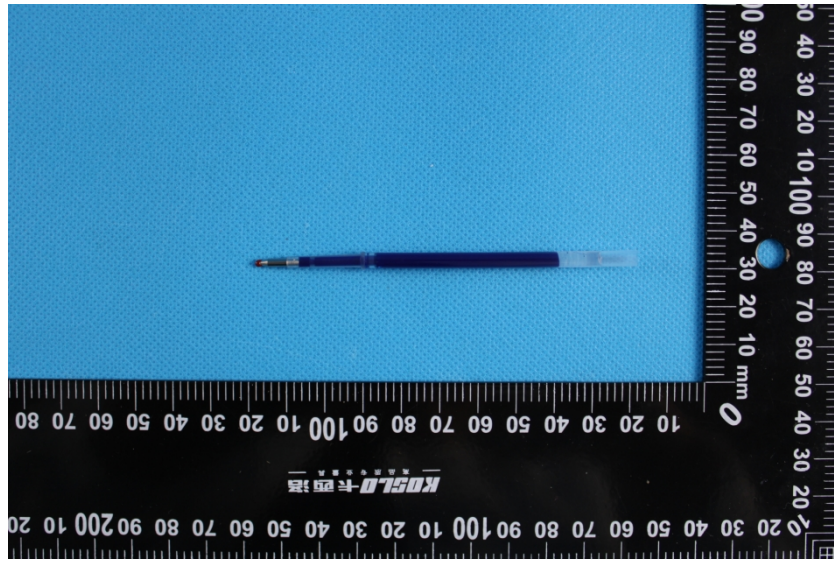
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Test Flow Chart



The photo of the sample



AGC05443220602-001

AGC authenticate the photo only on original report

*** End of Report ***

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