
Test Report

Report No. : AGC05443220313-001S1

SAMPLE NAME : Metal Ballpen set in cork box
MODEL NAME : MO9678
APPLICANT : MID OCEAN BRANDS B.V
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Apr.25, 2022

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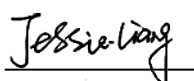
Applicant : MID OCEAN BRANDS B.V
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Test Site : 6/F., Building 2, SanweiChaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

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

Sample Name : Metal Ballpen set in cork box
Model : MO9678
Vendor code : 104901
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : Mar.11, 2022
Testing Period : Mar.11, 2022 to Apr.24, 2022

Test Requested:**Conclusion**

1. As specified by client, to determine the Formaldehyde Release in the submitted sample(s)	Pass
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.	Pass
3.As specified by client, to determine theLead(Pb) content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006.	Pass

Approved by: 

Liangdan, Jessie.Liang

Technical Director

Report Revise Record:

Report Version	Issued Date	Valid Version	Notes
/	Apr.24, 2022	Invalid	Initial release
S1	Apr.25, 2022	Valid	Modification of Formaldehyde Limit

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1. Test result of Formaldehyde Release:

Test Item(s)	Formaldehyde Release
Limit (Client's Requirement) (mg/kg)	80
MDL (mg/kg)	1
Test Method/ Equipment	EN 717-3:1996 / UV-Vis

Test point	Test result (mg/kg)	Conclusion
	Formaldehyde Release	
1-3	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)	
1-2 [△]	N.D.	Conformity
1-5	N.D.	Conformity

3. 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
1-3 [△]	N.D.	Conformity
1-4	N.D.	Conformity

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Test point	Test result (mg/kg)	Conclusion
	Lead(Pb)	
1-5	N.D.	Conformity
1-6	N.D.	Conformity
1-7	31	Conformity

Note:

mg/kg = milligram per kilogram

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

MDL = Method detection limit

Remark:

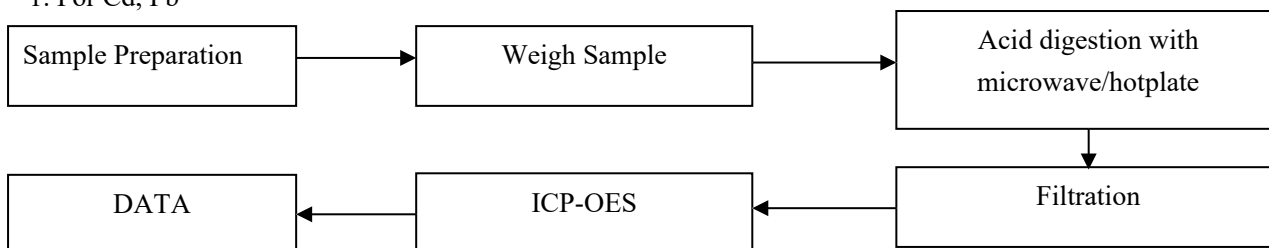
- Δ = As specified by client, the submitted samples were mixed to test.

Test Point Description

Test point	Test point description
1-1	White carton
1-2	Black cloth+Black webbing
1-3	Cork box+Cork pen barrel
1-4	Metal pen clip
1-5	Black plastic(inside)
1-6	Metal refill barrel (inside)
1-7	Metal barrel cover

Test Flow Chart

1. For Cd, Pb



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The photo of the sample



AGC05443220313-001S1

AGC authenticate the photo only on original report

*** End of Report ***

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3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
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6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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Test Report

Report No. : AGC05443240921-001S1

SAMPLE NAME : Metal Ballpen set in cork box
MODEL NAME : MO9678
APPLICANT : MID OCEAN BRANDS B.V.
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Sep. 19, 2024

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



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Report No.: AGC05443240921-001S1

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 : Metal Ballpen set in cork box
Model : MO9678
Vendor code : 104901
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : Sep. 06, 2024
Testing Period : Sep. 06, 2024 to Sep. 14, 2024
Test Requested : Selected test(s) as requested by client.

Test Requested:

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 27
- Nickel Release

Conclusion

Pass

Approved by: 

Suhongliang, Leon

Technical Director

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Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Sep. 18, 2024	Invalid	Initial release
S1	Sep. 19, 2024	Valid	Modification of Test point description

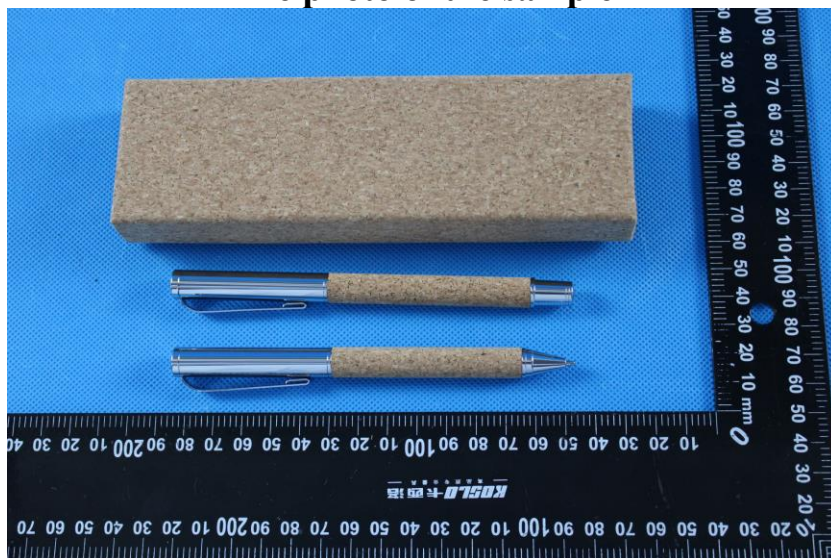
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The photo of the sample



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Test Point Description

Test point	Test point description
1-1	Metal pen cap
1-2	Metal pen cap tail
1-3	Metal pen clip
1-4	Metal pen stem tail
1-5	Metal grip pen
1-6	Metal pen holder

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Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019/CNAS-GL015:2022.

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 27

- Nickel Release

Test Methods and Equipment: EN 12472:2020 & EN 1811:2023; ICP-OES

Test Point(s)	Parallel Sample	Unit	Limit	MDL	Test Result(s) Nickel Release	Conclusion
1-1	A	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	Conformity
	B	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	0.06	
	C	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	
1-2	A	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	Conformity
	B	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	
	C	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	
1-3	A	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	Conformity
	B	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	
	C	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	
1-4	A	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	Conformity
	B	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	
	C	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	
1-5	A	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	Conformity
	B	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	
	C	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	N.D.	
1-6	A	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	0.20	Conformity
	B	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	0.26	
	C	$\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	0.5	0.05	0.20	

Limit requirements of Nickel Release

Nickel Release		
Type of sample	Pass	Fail
Article with Nickel release limit of $0.5\mu\text{g}/\text{cm}^2/\text{week}$ (Non-body piercing)	$<0.88\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	$\geq 0.88\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$
Article with Nickel release limit of $0.2\mu\text{g}/\text{cm}^2/\text{week}$ (Body piercing)	$<0.35\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$	$\geq 0.35\mu\text{g} \cdot \text{cm}^{-2} \cdot \text{week}^{-1}$

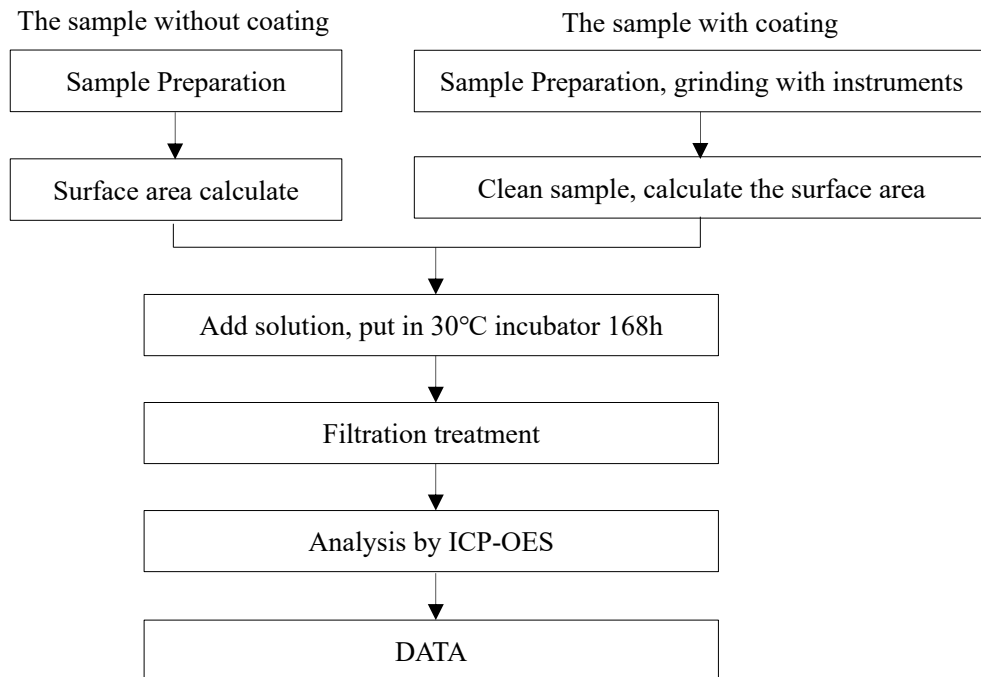
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Test Flow Chart of Nickel Release



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