
Test Report

Report No. : AGC05443260754-001

SAMPLE NAME : Bamboo twist ball pen in box
MODEL NAME : MO9912
APPLICANT : MID OCEAN BRANDS B.V.
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Aug. 04, 2026

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Applicant : MID OCEAN BRANDS B.V.
Address : Unit 711-716, 7/F., Tower A, 83 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 : Bamboo twist ball pen in box
Model : MO9912
Vendor code : 116662
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : Jul. 24, 2026
Testing Period : Jul. 24, 2026 to Aug. 04, 2026
Test Requested : Selected test(s) as requested by client.

Test Requested:**Conclusion**

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 63
- Lead(Pb) Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 23
-Cadmium(Cd) Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 51&52
- Phthalates Content

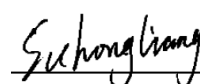
Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77
- Formaldehyde Release

Pass

Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)
- Pentachlorophenol (PCP) Content

Pass

Approved by: 

Suhongliang

Technical Director

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Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Aug. 04, 2026	Valid	Initial release

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The photo of the sample



The photo of AGC05443260754-001 is for use only with the original report.

Test Point Description

Test point	Test point description
1-1	Bamboo(box+pen barrel)
1-2	Metal tip
1-3	Metal clip
1-4	Metal ring
1-5	Golden metal tube inside upper bamboo pen barrel
1-6	Silver metal tube inside down bamboo pen barrel
1-7	White plastic inside silver metal tube
1-8	Blue pen core pipe end
1-9	Metal pen core pipe
1-10	Blue ink

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Test Results:

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

N/A= Not Applicable

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 63

- Lead(Pb) Content

Test Methods and Equipment: IEC 62321-5:2013; ICP-OES

Test Item(s)	Unit	Limit	MDL	Test Result(s)		
				1-1	1-2	1-3
Lead(Pb)	mg/kg	500	10	N.D.	90	N.D.
Conclusion				Conformity	Conformity	Conformity

Test Item(s)	Unit	Limit	MDL	Test Result(s)		
				1-4	1-5	1-6
Lead(Pb)	mg/kg	500	10	38	12	15
Conclusion				Conformity	Conformity	Conformity

Test Item(s)	Unit	Limit	MDL	Test Result(s)		
				1-8	1-9	1-10
Lead(Pb)	mg/kg	500	10	N.D.	N.D.	N.D.
Conclusion				Conformity	Conformity	Conformity

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-1
2. As specified by client, the submitted samples were directly tested without drying, the test points: 1-10

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 23

-Cadmium(Cd) Content

Test Methods and Equipment: IEC 62321-5:2013; ICP-OES

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-7+1-8
Cadmium(Cd)	mg/kg	100	10	N.D.
Conclusion				Conformity

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-7+1-8

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Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 51&52

- Phthalates Content

Test Methods and Equipment: IEC 62321-8:2017; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-7+1-8
Diisobutyl phthalate (DIBP) CAS:84-69-5	%	0.1	0.005	N.D.
Dibutyl phthalate (DBP) CAS:84-74-2	%	0.1	0.005	N.D.
Butylbenzyl phthalate (BBP) CAS:85-68-7	%	0.1	0.005	N.D.
Di-(2-ethylhexyl) Phthalate (DEHP) CAS:117-81-7	%	0.1	0.005	N.D.
Di-n-octyl phthalate (DNOP) CAS:117-84-0	%	/	0.005	N.D.
Di-isononyl phthalate (DINP) CAS:28553-12-0, 68515-48-0	%	/	0.005	N.D.
Di-isodecyl phthalate(DIDP) CAS:26761-40-0, 68515-49-1	%	/	0.005	N.D.
Sum of DIBP +DBP+BBP+DEHP	%	0.1	/	N.D.
Sum of DNOP+DINP+DIDP	%	0.1	/	N.D.
Conclusion				Conformity

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-7+1-8

Limit requirements of Phthalates

Toys and childcare articles	Each of DEHP, DBP, BBP, DIBP is less than 0.1% or the sum of DEHP+DBP+BBP+DIBP is less than 0.1%
Toys and childcare articles which can be placed in the mouth by children	The sum of DINP+DIDP+DNOP is less than 0.1%

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77

- Formaldehyde Release

Test Methods and Equipment: EN 717-1:2004; UV-Vis

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1
Formaldehyde Release	mg/m ³	0.062	0.006	N.D.(240h)
Conclusion				Conformity

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-1

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Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)

- Pentachlorophenol (PCP) Content

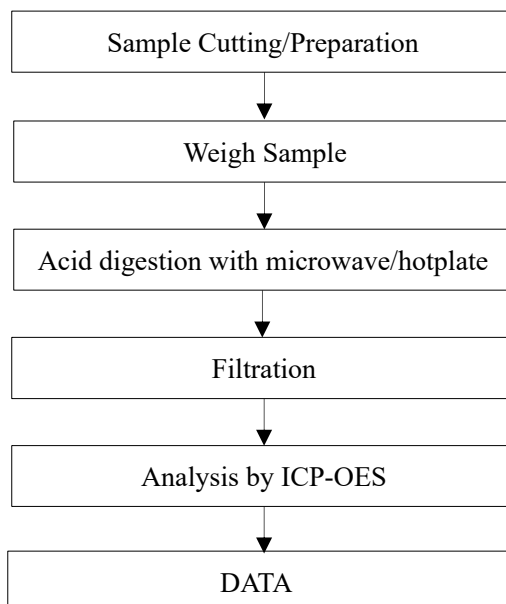
Test Methods and Equipment: EPA 3550C:2007 & EPA 8270E:2018; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1
Pentachlorophenol (PCP)	mg/kg	5	5	N.D.
Conclusion				Conformity

Remark:

- As specified by client, the submitted samples were mixed to test, the test points: 1-1

Test Flow Chart of Heavy Metal Content



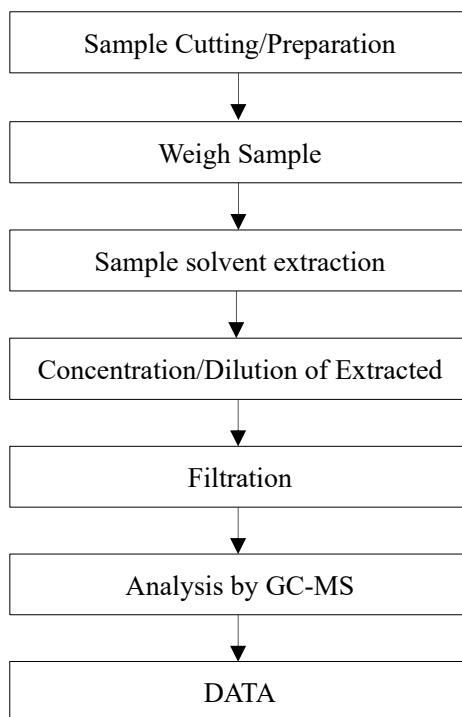
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Test Flow Chart of Phthalates



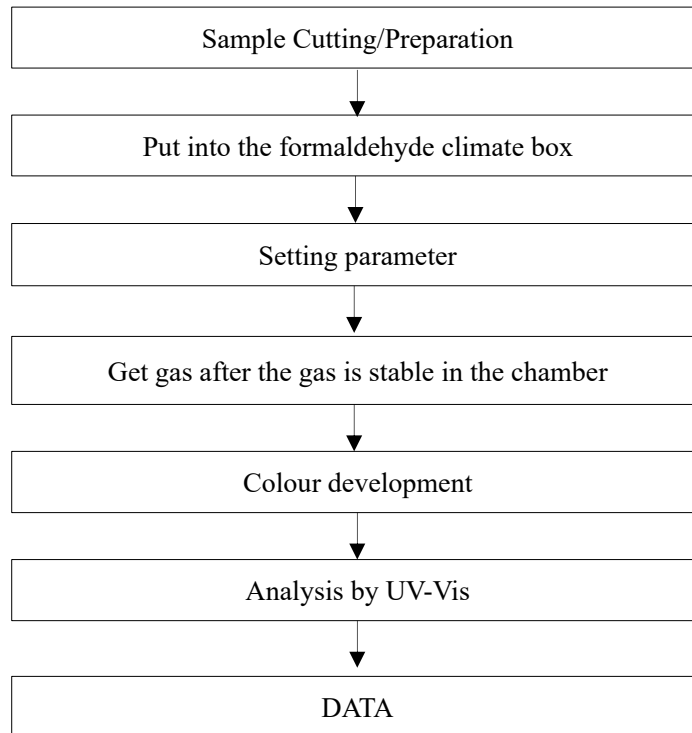
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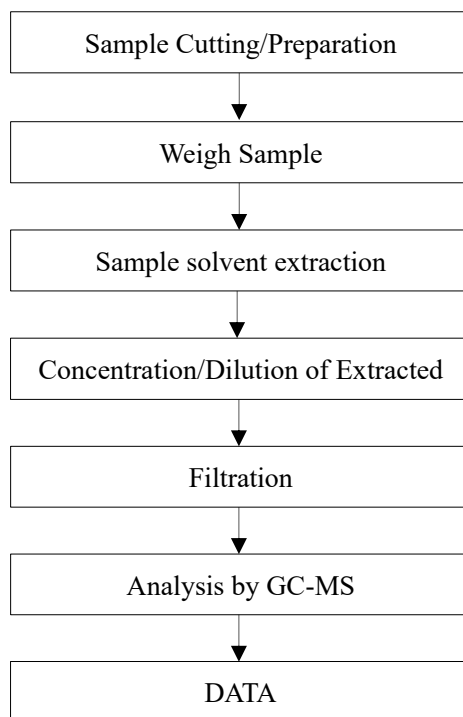
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Test Flow Chart of Formaldehyde Release



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Test Flow Chart of Pentachlorophenol (PCP)



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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.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
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.

*** End of Report ***

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