

Test Report

Report No.: AGC03507200507-001

Date: May 21, 2020

Page 1 of 7

Applicant: MID OCEAN BRANDS B.V
Address: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Test site: 1,6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen, Guangdong, China

Report on the submitted samples said to be:

Sample Name : Teapot with bamboo lid
Model No. : MO9963
Vendor Code : 107978
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Receiving Date : May 15, 2020
Testing Period : May 15, 2020 to May 21, 2020

Test Requested: : Please refer to next page(s).

Test Method : Please refer to next page(s).

Test Result : Please refer to next page(s).

Approved by:



Liangdan, Jessie.Liang

Technical Director



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No.18 C

Test Report

Report No.: AGC03507200507-001

Date: May 21, 2020

Page 2 of 7

Test Requested:

1. As specified by client, to determine the Lead compounds 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.
3. As specified by client, to determine the Formaldehyde content in the submitted sample(s).
4. As specified by client, to determine the phthalates content in the submitted sample(s) with reference to entry 51 and its amendment (EU)2018/2005& entry 52, Annex XVII of the REACH Regulation (EC) No 1907/2006 and Amendment Regulation (EC) No 552/2009.
- 5.As specified by client, to test sample with reference to Regulation 1935/2004/EC and Regulation EU (No) 10/2011for:
 - Pentachlorophenol content
 - Special Migration of Formaldehyde
6. As specified by client, to determine the Leachable Lead and Cadmium content in Glass Ware with reference to Regulation NO.84/500/EEC and 2005/31/EC.
7. As specified by client, to test sample with reference to Regulation 1935/2004/EC and Council of Europe Resolution AP (2004) 5 for silicone:
 - Overall Migration(3%(w/v)Acetic acid, 50% (v/v) Ethanol)

Conclusion

Pass

Pass

/

Pass

Pass

Pass

Pass

Pass

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Page 3 of 7

Test Result(s):

1. Test Result(s) of Lead and Lead compounds content

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)		Limit
			1-1	1-2	
Lead (Pb)	IEC 62321-5:2013	10	N.D.	N.D.	500
Conclusion	ICP-OES	/	Pass	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 3. As specified by client, only test the designated sample

2. Test Result(s) of Cd content

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)		Limit
			1-1	1-2	
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	100
Conclusion	ICP-OES	/	Pass	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 3. As specified by client, only test the designated sample

3. Test Result(s) of Formaldehyde

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)
			1-1
Formaldehyde	EN717-3:1996 UV-Vis	1	3

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 3. As specified by client, only test the designated sample

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Test Report

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Page 4 of 7

4. Test Result(s) of phthalates content:

Unit: %,w/w

Test Item(s)	Test Method/ Equipment	MDL	Result(s)	Limit
			1-2	
Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	0.01	N.D.	0.1
Butylbenzyl phthalate (BBP)		0.01	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	0.1
Diisobutyl phthalate (DIBP)		0.01	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP		—	N.D.	0.1
Di-n-octyl phthalate (DNOP)		0.01	N.D.	—
Di-isononyl phthalate (DINP)		0.01	N.D.	
Di-isodecyl phthalate (DIDP)		0.01	N.D.	
Sum of DNOP+DINP+DIDP		—	N.D.	0.1
Conclusion		/	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 - 3.As specified by client, only test the designated sample

5.1. Test result of Pentachlorophenol content

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)	Limit
			1-1	
Pentachlorophenol	EN ISO 15320:2011 GC-MS	0.01	N.D.	0.15
Conclusion		/	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)

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Page 5 of 7

5.2. Test result of Special Migration of Formaldehyde

Unit: mg/kg

Test Item(s)	Test Condition/ Equipment	MDL	Test Result(s)	Limit
			3% (w/v) Acetic acid	
			1-1	
Special Migration of Formaldehyde	70°C, 2h/UV-Vis	5	N.D.	15
Conclusion	/	/	Pass	/

Note: 1. MDL=Method Detection Limit
2. N.D.=Not Detected(less than method detection limit)

6.1 Leachable Lead, Cadmium (inner immersion)

Unit: mg/L

Test Items	Test Condition/ Equipment	MDL	Result				Limit
			4% (v/v) Acetic acid				
			1-3-A	1-3-B	1-3-C	1-3-D	
Lead (Pb)	22°C, 24h ICP-OES	0.1	N.D.	N.D.	N.D.	N.D.	4.0
Cadmium (Cd)		0.01	N.D.	N.D.	N.D.	N.D.	0.3
Conclusion	/	/	Pass	Pass	Pass	Pass	/

Note: -MDL=method detection limit
-N.D.=not detected (less than method detection limit)
- Results shown above are testing data of four groups.

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Page 6 of 7

For silicone

7.1 Overall Migration

Unit: mg/dm²

Test Solution	Test condition	MDL	Test Result(s)	Limit
			1-2	
3%(w/v)Acetic acid	70°C, 2h	5	N.D.	10
50% (v/v) Ethanol		5	N.D.	10
Conclusion	/	/	Pass	/

Note: 1. N.D.=not detected (less than method detection limit)

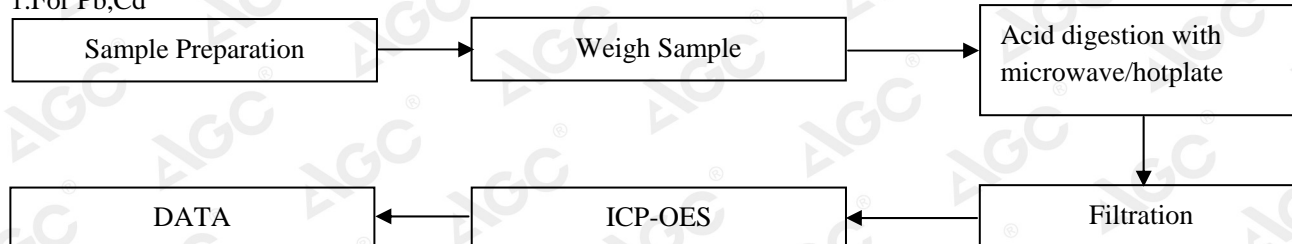
2. MDL=method detection limit

Sample Description

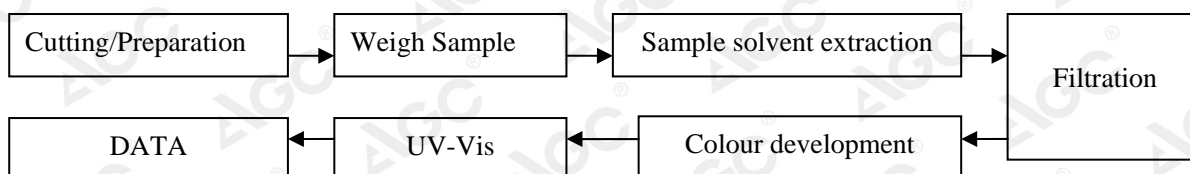
1-1	Bamboo lid
1-2	Silicone ring
1-3	Glass cup body

Test Flow Chart

1. For Pb,Cd



2. For formaldehyde



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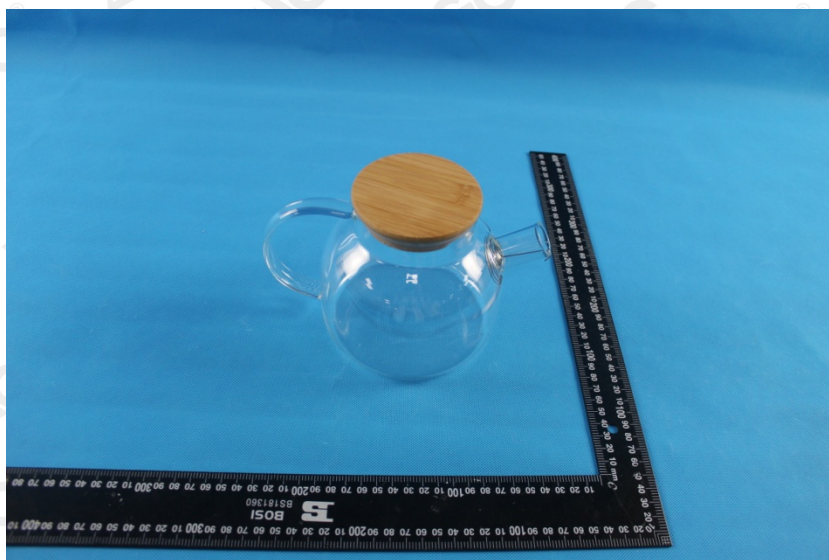
Test Report

Report No.: AGC03507200507-001

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Page 7 of 7

The photo of the sample



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*** End of Report***

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