

Test Report

Report No.: AGC03507200502-001S1

Date: May 15, 2020

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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: 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 : Double wall high borosilicate glass with silicone lid
Model : MO9927
Country of origin : CHINA
Country of destination : EUROPE
Vendor Code : 107978
Sample Receiving Date : May 08, 2020
Testing Period : May 08, 2020 to May 13, 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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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 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.

Part1: Glass

4.As specified by client, to determine the Leachable Lead and Cadmium content in Ceramic Ware with reference to Regulation NO.84/500/EEC and 2005/31/EC.

Part 2: Silicone material

5. As specified by client, to test sample with reference to Regulation 1935/2004/EC , Council of Europe Resolution AP (2004) 5 and (EU) 2018/213 for:

- Overall Migration(3%(w/v) Acetic acid, 50%(v/v) Ethanol)
- Migration of BPA

Conclusion

Pass

Pass

Pass

Pass

Pass

Pass

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Test Results:

1. Test Result(s) of Pb:

Unit: mg/kg

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

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

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

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3. Test Result(s) of phthalates content:

Unit: %,w/w

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

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Part 1: Glass

4. Test Result(s) of Leachable Lead and Cadmium (NO.84/500/EEC and 2005/31/EC)

Unit: mg/L

Test Item(s)	Test Condition/ Equipment	MDL	Result(s)				Limit
			4% (v/v) Acetic acid				
			1-2-1	1-2-2	1-2-3	1-2-4	
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:**
1. MDL=method detection limit
 2. N.D.=not detected (less than method detection limit)
 3. Results shown above are testing data of four groups.

Part 2: Silicone

5.1 Test Result(s) of Overall Migration

Unit: mg/dm²

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

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

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5.2 Test result of Migration of BPA

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			3% (w/v) Acetic acid	
			1-1	
Migration of BPA	70°C, 2h/ LC-MS-MS	0.02	N.D.	0.05
Conclusion	/	/	Pass	/

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

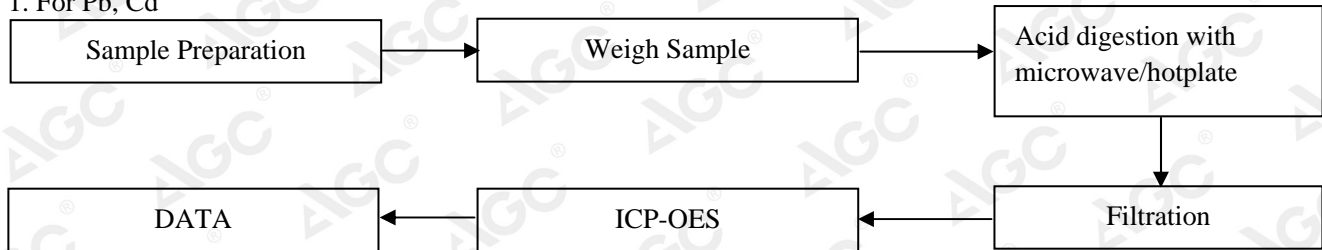
Sample Description

1-1	Black silicone cover
1-2	Body of glass

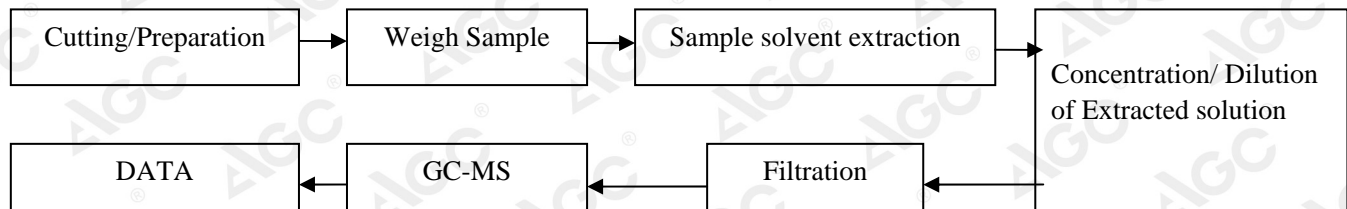
This report is to supersede the report with No.: AGC03507200502-001 dated on May 13, 2020.

Test Flow Chart

1. For Pb, Cd



2. For phthalates



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The photo of the sample



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*** End of Report***

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