
Test Report

Report No. : AGC03507220503-003S2

SAMPLE NAME : Recycled glass bottle with 4 cups
MODEL NAME : MO6656
APPLICANT : MID OCEAN BRANDS B.V
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : May 31, 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 : 2,6/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 : Recycled glass bottle with 4 cups
Model : MO6656
Vendor code : 107978
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : May 16, 2022
Testing Period : May 16, 2022 to May 27, 2022

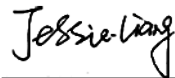
Test Requested:**Conclusion**

- | | |
|--|----------------------------|
| 1. 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 |
| 2. 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. | Pass |
| 3. As specified by client, to test sample with reference to Regulation 1935/2004/EC, Regulation (EU) No 10/2011
- Specific migration of Formaldehyde | Pass
Pass |
| 4. As specified by client, to determine the Pentachlorophenol (PCP) Content with reference to LFGB §64 BVL B 82.02 Part 8 | Pass |
| 5. As specified by client, to determine the Wood moisture content in the submitted sample. | Pass |
| 6. As specified by client, to determine the Leachable Lead and Cadmium content in Glass Ware with reference to Regulation 1935/2004/EC, No. 84/500/EEC and 2005/31/EC. | Pass |
| 7. As specified by client, to determined for mechanical dishwashing safe test. | / |
| 8. As specified by client, to determined for microwave test. | / |

Approved by: 

Qinlianzhi, Reed

Laboratory Supervisor

Approved by: 

Liangdan, Jessie.Liang

Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	May 24, 2022	Invalid	Initial release
S1	May 27, 2022	Invalid	Add test points
S2	May 31, 2022	Valid	Add Wood moisture content limit; Modify test point& test point description

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Test Result(s):
1. 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

2. 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

3. Test Result of Specific migration of Formaldehyde

Test point		Test Result	Conclusion
		Specific migration of Formaldehyde / (mg/kg)	
		3% Acetic acid, 70°C, 2h	
1-1	1 st migration	N.D.	Conformity
	2 nd migration	N.D.	
	3 rd migration	N.D.	
Limit		15	/
MDL		5	/

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4. Test Result of Pentachlorophenol (PCP) content

Test Item	Test Method/ Equipment	Limit	MDL	Test result
				1-1
Pentachlorophenol (PCP)/ (mg/kg)	ENISO 15320-2011/ GC-MS	0.15	0.05	N.D.
Conclusion	/	/	/	Conformity

5. Test Result of Wood moisture content
Test Method: GB/T 1931-2009

Sample number	The quality before the test/g M ₀	The quality after drying/g M ₁	MDL/ %	Limit/ %	Moisture content/% W	Conclusion
1-1	A	10.2243	1	15	6.3	Conformity
	B	10.4740				
	C	10.5849				

 Moisture content test formula: $W = (M_0 - M_1) / M_0 * 100\%$
6. Test Result(s) of Leachable Lead and Cadmium (No. 84/500/EEC and 2005/31/EC)

Test Item	Leachable Lead	Leachable Cadmium
Limit(mg/L)	4.0	0.3
MDL (mg/L)	0.1	0.01
Test Condition	4% Acetic acid, 22°C, 24h	
Test Method/ Instrument	EN 1388-1:1996/ ICP-OES	

No.	Test result (mg/L)		Conclusion
	Leachable Lead	Leachable Cadmium	
1-2	N.D.	N.D.	Conformity

No.	Test result (mg/L)		Conclusion
	Leachable Lead	Leachable Cadmium	
1-3	N.D.	N.D.	Conformity

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7. Test Result of mechanical dishwashing safe test:

Test method: BS EN 12875-1:2005

Washing temperature: 60°C

Number of cycle: Ten (10) cycles

Number of tested sample: 2 (Two) pc(s).

Number of control sample: 2 (Two) pc(s).

For all tested glass articles:

- 1) No visible change of color and gloss was found on the tested samples after wash.
- 2) No visible deposit or iridescent layer was found on the tested samples after wash.
- 3) No cloud texture was found on the tested samples after wash.
- 4) No decoration was detached after wash.

8. Test Result of microwave test:

Test method: BS EN 15284-2007

Microwave power out: 533W

Short period: 135 s

Long period: 878 s

Number of tested sample: 6 (Six) pc(s).

Number of control sample: 2 (Two) pc(s).

Specimen(s)	Maximum handle temperature after short period of heating	Maximum surface temperature after long period of heating	
		Cup	Glass bottle
1	/	79.4°C	77.8°C
2	/	81.7°C	80.6°C
3	/	82.2°C	81.8°C

For all tested glass articles:

- 1) No visible change of color was found on the tested samples after test.
- 2) No visible cracking, crazing, scaling was found on the tested samples after test.

Note:

mg/L= Milligrams per liter

mg/kg = milligram per kilogram

MDL = Method Detection Limit

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

Remark:

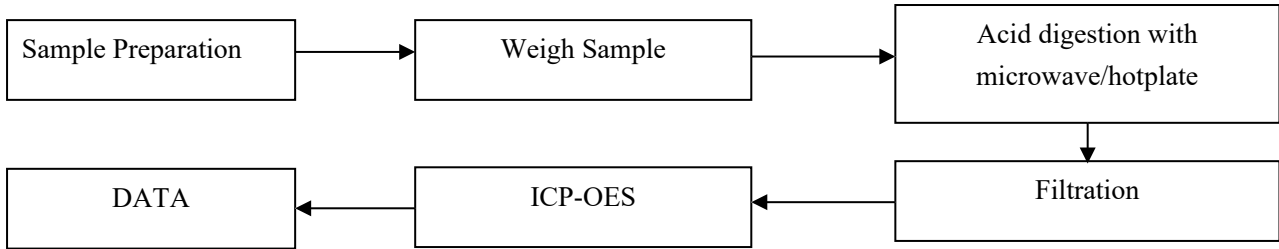
- As specified by client, only test the designated sample.

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Test Point Description

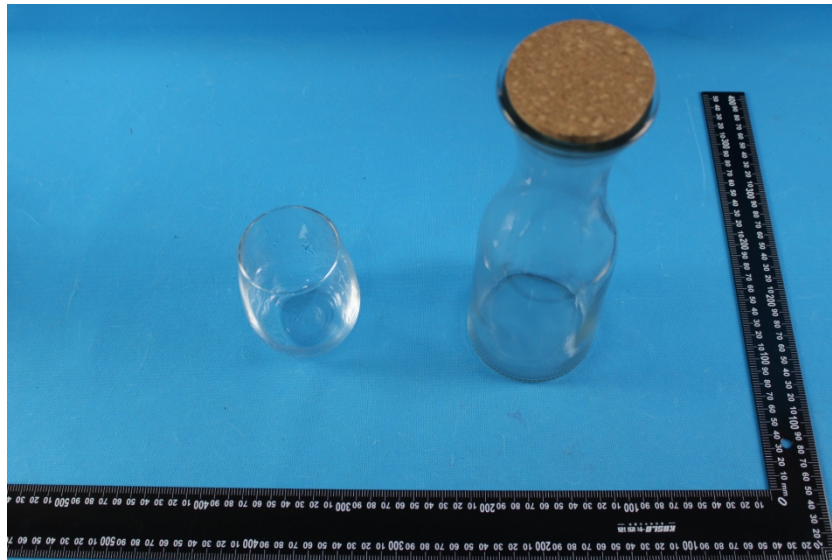
Test point	Test point description
1-1	Cork lid
1-2	Glass bottle
1-3	Glass mug

Test Flow Chart



As client’s request, test results of No.1-1, No.1-2 copied from test results of No.1-1, No.1-2 of test report No. AGC03507220503-002 respectively.

The photo of the sample



AGC03507220503-003S2

AGC authenticate the photo only on original report

*** End of Report ***

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