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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,No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan

District, Shenzhen, Guangdong, China

Report on the submitted samples said to be:

Sample Name : Glass bottle

Model No. : MO9800

Supplier : 107978

Country of origin : CHINA

Country of destination : EUROPE

Sample Received Date : Sep.17, 2019

Testing Period : Sep.17, 2019 to Oct.09, 2019

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 : Liulinwen, Lewis

Technical Director



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Test Requested:	Conclusion
1. As specified by client, to determine the Lead and Lead compounds content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006.	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 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	Pass
REACH Regulation (EC) No 1907/2006 and Amendment Regulation (EC) No 552/2009. 4. As specified by client, to test sample with reference to Regulation 1935/2004/EC and Council of Europe Resolution AP (2004) 5 and (EU) 2018/213 for silicone:	
- Overall Migration(3%(w/v) Acetic acid, 50% (v/v) Ethanol)	Pass
- Migration of BPA	Pass
5. As specified by client, to test sample with reference to Regulation 1935/2004/EC, Regulation (EU) No.10/2011&(EU)2016/1416&(EU) 2017/752 and (EU) 2018/213 for plastic:	
- Overall Migration(3%(w/v) Acetic acid, 50% (v/v) Ethanol)	Pass
- Specific Migration of Heavy metals	Pass
- Migration of BPA	Pass
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.	Pass



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Test Result(s):

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

Unit: mg/kg

T4:4(-)	Test Method/	The Completion	下 Kanglan	estation of Gios		
Test item(s)	Equipment	MDL	1-1	1-2	1-3	Limit
Lead (Pb)	IEC 62321-5:2013	10	15	N.D.	N.D.	500
Conclusion	ICP-OES	/ 1	Pass	Pass	Pass	- Classical Allegania

Unit: mg/kg

T-434 (1)	Test Method/	MDI		Result(s)	Result(s)		
Test item(s)	Equipment	MDL	1-4	1-5	1-6	Limit	
Lead (Pb)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	500	
Conclusion	ICP-OES		Pass	Pass	Pass	体类	

Unit: mg/kg

The sales of the s	Test Method/	Allestation of	Attestation	.		
Test item(s)	Equipment	MDL	1-7	1-8	1-9	Limit
Lead (Pb)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	500
Conclusion	ICP-OES	-Ci	Pass	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

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2. Test Result(s) of Cd:

Unit: mg/kg

T.C.	Test Method/	MDI	- A	F M Global Compile		
Test item(s)	Equipment	MDL	1-1	1-2	1-3	Limit
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES	1	Pass	Pass	Pass	

Unit: mg/kg

Test item(s)	Test Method/	MDI	GO	Result(s)		T
l est item(s)	Equipment	MDL	1-4	1-5	1-6	Limit
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES	Nestation of	Pass	Pass	Pass	1

Unit: mg/kg

Total	Test Method/	The Remains	3 St. John of Global Comm	T ::4		
Test item(s)	Equipment	MDL	1-7	1-8	1-9	Limit
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES		Pass	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

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3. Test result of phthalates content

Unit: %, w/w

Test Item(s)	Test Method/	MDL	-3 <u>111</u> 1	Resi	ult(s)		Limit			
Test Item(s)	Equipment	MIDL	1-2	1-3	1-4	1-5	Lillit			
Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	0.01	N.D.	N.D.	N.D.	N.D.	0.1			
Butylbenzyl phthalate (BBP)			Sec.	0.01	N.D.	N.D.	N.D.	N.D.	0.1	
Di- (2-ethylhexyl) phthalate (DEHP)			0.01	N.D.	N.D.	N.D.	N.D.	0.1		
Diisobutyl phthalate (DIBP)			0.01	N.D.	N.D.	N.D.	N.D.	0.1		
Sum of DBP+BBP+DEHP+DIBP			GO	N.D.	N.D.	N.D.	N.D.	0.1		
Di-n-octyl phthalate (DNOP)			0.01	N.D.	N.D.	N.D.	N.D.	ompliance - July		
Di-isononyl phthalate (DINP)		0.01	N.D.	N.D.	N.D.	N.D.	-73			
Di-isodecyl phthalate (DIDP)	The Compliant S St. 1945	The Compiler S The Late	The Company (S)	The Goldan Company	0.01	N.D.	N.D.	N.D.	N.D.	
Sum of DNOP+DINP+DIDP		-	N.D.	N.D.	N.D.	N.D.	0.1			
Conclusion		/	Pass	Pass	Pass	Pass	Jobal Co			

Unit: %, w/w

Test Item(s)	Test Method/	MDL	Result(s)				Limit				
rest Item(s)	Equipment	MIDL	1-6	1-7	1-8	1-9	Limit				
Dibutyl phthalate (DBP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1				
Butylbenzyl phthalate (BBP)	A C Mestation of	nomb	United Milestation of Market Milestation of Market Milestation of	The station of the station of		0.01	N.D.	N.D.	N.D.	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1				
Diisobutyl phthalate (DIBP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1				
Sum of DBP+BBP+DEHP+DIBP	EN 14372:2004	® ## station of G	N.D.	N.D.	N.D.	N.D.	0.1				
Di-n-octyl phthalate (DNOP)	GC-MS	0.01	N.D.	N.D.	N.D.	N.D.					
Di-isononyl phthalate (DINP)		0.01	N.D.	N.D.	N.D.	N.D.	8 <u>4</u>				
Di-isodecyl phthalate (DIDP)		0.01	N.D.	N.D.	N.D.	N.D.	C ANO				
Sum of DNOP+DINP+DIDP		z.C	N.D.	N.D.	N.D.	N.D.	0.1				
Conclusion		1	Pass	Pass	Pass	Pass	11/				

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Note: 1. 0.1%, w/w = 1000mg/kg

2. MDL=method detection limit

3. N.D.=not detected (less than method detection limit)

4. "-" =Not regulated

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

For silicone

4.1. Test result of Overall Migration

Unit: mg/dm²

© A Color	A CO	G. C. MY.	MDI	Test Result(s)	- 10
Test Solution	Test condition	Surface area/Volume	MDL	1-2	Limit
3%(w/v) Acetic acid	709C 21	6 dm ² /1000 mL	5	N.D.	10
50% (v/v) Ethanol	70°C, 2h	6 dm ² /1000 mL	5	N.D.	10
Conclusion	6 /	1		Pass	J. Th. Th.

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

2. MDL=method detection limit

4.2. Test result of Migration of BPA

Unit: mg/kg

® # Jinnat Global Com	® ## Globa	CO CO	, S	Result(s)		
Test Item(s)	Test condition/ Equipment	Surface area/Volume	MDL	3% (w/v) Acetic acid	Limit	
	1111	No The State of State		1-2	,sa o.,	
Migration of BPA	70°C, 2h / LC-MS-MS	6 dm ² /1000 mL	0.02	N.D.	0.05	
Conclusion	107	1	1 10	Pass	@ / <u></u>	

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

2. MDL=method detection limit

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For plastic

5.1. Test result of Overall Migration

Unit: mg/dm²

Test Solution	Tark	Surface	MDI	Test Result(s)	B Attestation of Glob
	Test condition	area/Volume	MDL	1-3	Limit
3%(w/v) Acetic acid	7000 21	$6 \text{ dm}^2/1000 \text{ mL}$	5	N.D.	10
50% (v/v) Ethanol	70°C, 2h	6 dm-71000 mL	5	N.D.	10
Conclusion	The Paragraphics	F. Gulder Comply (1	Pass	O7

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

2. MDL=method detection limit

5.2. Test result of Special Migration of Heavy metals

Unit: mg/kg

			THE THE	Test Result(s)	3 A Jajon of Global C
Test Item(s)	Test condition/ Equipment	Surface area/Volume	MDL	3% (w/v) Acetic acid	Limit
Samuel Colonia	Surger CO			1-3	*151 -7111
Aluminum (Al) (M)	70°C, 2h / ICP-OES	6 dm ² /1000 mL	0.5	N.D.	all Compile
Barium (Ba) (M)			0.25	N.D.	GI
Cobalt (Co) (M)			0.01	N.D.	0.05
Copper (Cu) (M)			0.25	N.D.	5
Iron (Fe) (M)			0.25	N.D.	48
Lithium (Li) (M)	Globald © Alfastalion		0.5	N.D.	0.6
Manganese (Mn) (M)	NG.		0.25	N.D.	0.6
Zinc (Zn) (M)	HE MINOR	The fill the	0.5	N.D.	5
Nickel (Ni) (M)	® ## FA clobal com	Co Marine Colonia Colonia	0.01	N.D.	0.02
Conclusion	1 6	/	1	Pass	The state of the s

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

2. M= Migration

3. MDL= method detection limit

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5.3. Test result of Migration of BPA

Unit: mg/kg

A Milestation	Test condition/ Equipment	Surface area/Volume	MDL	Result(s)	Limit
Test Item(s)				3% (w/v) Acetic acid	
				1-3	
Migration of BPA	70°C, 2h / LC-MS-MS	6 dm ² /1000 mL	0.02	N.D.	0.05
Conclusion	The state of the s		Total Co	Pass	

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

2. MDL=method detection limit

For glass

6.1. Test Result(s) of Leachable Lead and Cadmium

Unit: mg/L

C	Test condition/ Equipment	MDL	Result(s)	Client's Limit	
Test Item(s)			4% (v/v) Acetic acid		
			1-10		
Lead (Pb)	100	0.1	N.D.	4.0	
Cadmium (Cd)	22°C, 24h ICP-OES	0.01	N.D.	0.3	
Conclusion		/	Pass	1 Th. 100	

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.

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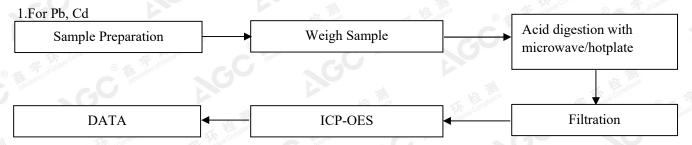


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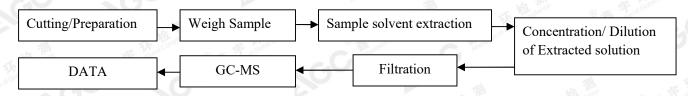
Sample Description

1-1	201 Stainless steel cover	
		The state of the s
1-2	Silicone ring	The Compliant Company of Company
1-3	Gray PP cover	CO M
1-4	Black coating	
1-5	White coating	# # # # # # # # # # # # # # # # # # #
1-6	Red coating	O A Hand Count Count
1-7	Orange coating	A American
1-8	Blue coating	
1-9	Green coating	Manuface T. M. Complaines
1-10	Glass bottle body	doll (S. Santarion of Co.

Test Flow Chart



2. For phthalates



Test result on specimen No.1-6, No.1-7 were resubmitted on Oct.08, 2019.

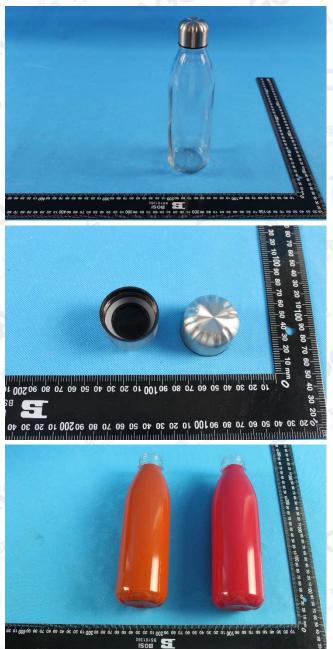
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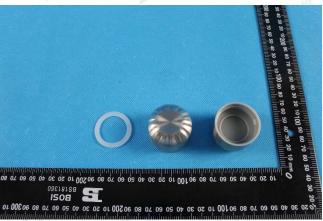
No.18 C



Date: Oct.09, 2019 Report No.: AGC-03507-19-09-06-001

The photo of the sample









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*** End of Report***

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