

Report No.: AGC03507191120-001

Date: Dec.03, 2019

Page 1 of 10

Applicant:MID OCEAN BRANDS B.VAddress:7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong KongTest 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:

Test Result

Sample Name	:	Bottle
Model No.	:	MO9910
Supplier	:	107978
Country of Origin	18 A	CHINA
Country of Destination	Atto	EUROPE
Sample Receiving Date	:	Nov.27, 2019
Testing Period	:	Nov.27, 2019 to Dec.03, 2019
Test Requested:	:	Please refer to next page(s).

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

: Please refer to next page(s).

Approved by Liulinwen, Le **Technical Director**



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NO.

18



Report No.: AGC03507191120-001 Date: Dec.03, 2019	Page 2 of 10
Test Requested:	Conclusion
 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. 	ted Pass
2. As specified by client, to determine the Cadmium(Cd)content in the submitted sample with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006.	e(s) Pass
3. As specified by client, to determine the phthalates content in the submitted sample(s) w reference to entry 51 and its amendment (EU)2018/2005& entry 52, Annex XVII of 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, 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
5. 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

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Test Report

Report No.: AGC03507191120-001

Date: Dec.03, 2019

Page 3 of

Test Result(s):

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

Allestation			line		10	÷	107-	Ur	nit: mg/kg
Test item(s)	Test Method/	MDL	Kobal Compliance	Limit					
rest item(s)	Equipment		1-1	1-2	1-3	1-4	1-5	1-6	Linit
Lead (Pb)	IEC 62321-5:2013	10	N.D.	18	N.D.	N.D.	N.D.	N.D.	500
Conclusion	ICP-OES	1	Pass	Pass	Pass	Pass	Pass	Pass	C/

GC	Test Method/	MDL		Limit					
Test item(s)	Equipment		1-7	1-8	1-9	1-10	1-11	1-12	Limit
Lead (Pb)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
Conclusion	ICP-OES	10	Pass	Pass	Pass	Pass	Pass	Pass	1

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

C Andrews	Test Method/	CCC	Result(s)						nt: mg/kg
Test item(s)	Equipment	MDL	1-1	1-2	1-3 1-4		1-5	1-6	Limit
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES	/	Pass	Pass	Pass	Pass	Pass	Pass	1

	The second se		ASL MOR		F Globa	e (C	The monor	Ur	nit: mg/kg	
The state of the state	Test Method/	MET	Clobal Compile	Result(s)						
Test item(s)	Equipment	MDL	1-7	1-8	1-9	1-10	1-11	1-12	Limit	
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	
Conclusion	ICP-OES	The second of second	Pass	Pass	Pass	Pass	Pass	Pass		

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Test Report

Report No.: AGC03507191120-001

Date: Dec.03, 2019

Page 4

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 phthalates content

T Gout Gout		1					Unit: %	o, W/W
Tota Itam(c)	Test Method/	MDI		-10	Result(s)	14	T ::4
Test Item(s)	Equipment	MDL	1-1	1-3	1-4	1-5	1-6	Limit
Dibutyl phthalate (DBP)	nee Francis	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
Butylbenzyl phthalate (BBP)	C Mesanore	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)	2	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
Diisobutyl phthalate (DIBP)	The acompanies	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP	EN 14372:2004		N.D.	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.	N.D.	大学
Di-isononyl phthalate (DINP)	The the second	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	ation of Giu
Di-isodecyl phthalate (DIDP)	C Thestation of Global C	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	
Sum of DNOP+DINP+DIDP		-	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
Conclusion		1ª	Pass	Pass	Pass	Pass	Pass	6

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Report No.: AGC03507191120-001

Date: Dec.03, 2019

Page 5 of 10

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° film	Test Method/	MDI]	Result(s	5)		- 10
Test Item(s)	Equipment	MDL	1-7	1-8	1-9	1-10	1-12	Limit
Dibutyl phthalate (DBP)	C Traten of Cobal Co	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
Butylbenzyl phthalate (BBP)	C Mar GC	0.01	N.D.	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.	N.D.	0.1
Diisobutyl phthalate (DIBP)		0.01	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP	EN 14372:2004	σC	N.D.	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.	N.D.	Jul
Di-isononyl phthalate (DINP)	14	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	-
Di-isodecyl phthalate (DIDP)	The templance	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	NO
Sum of DNOP+DINP+DIDP	GO MAN	-	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
Conclusion		/	Pass	Pass	Pass	Pass	Pass	5 7

Note:

1. 0.1%, w/w = 1000 mg/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

EU food contact materials

4.1. Test result of Overall Migration

	nce The compliant	© # \$	of Globa	C The statio	noto	U	nit: mg/dm ²
Total Col Attack	C Attestation of Citi	C.C.	S				
Test Solution	Test condition	MDL	1-1	1-3	1-4	1-5	- Limit
3%(w/v) Acetic acid		5	N.D.*	N.D.	N.D.*	5.0	10
50% (v/v) Ethanol	70°C, 2h	5	N.D.	N.D.	N.D.	N.D.	10
Conclusion	C	1	Pass	Pass	Pass	Pass	1

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No.18 C

Attestation of Global Compliance Std. & Tech.

AGC



Report No.: AGC03507191120-001

Date: Dec.03, 2019

Page 6 of 10

		MDI		1			
Test Solution	Test condition MDL -	1-6	1-7	1-8	1-9	Limit	
3%(w/v) Acetic acid		5	N.D.	N.D.	N.D.	N.D.	10
50% (v/v) Ethanol		6 5	N.D.	N.D.	N.D.	N.D.	10
Conclusion		/	Pass	Pass	Pass	Pass	d

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

- 2. MDL=method detection limit
- 3.*= The result was got from the third extraction duration.

4.2. Test result of Special Migration of Heavy metals

Complian Alabai Con	Allestan - C	Allo				-	Unit: mg/kg	
				Kat The	The state of the s			
Test Item(s)	Test condition/	MDL	The The take	3% (w/v)	Acetic ac	id	Limit	
T. T. T.	tod colored Co	-C *	tenation of 1-1	1-3	1-4	1-5		
Aluminum (Al) (M)	NO.	0.5	N.D.	N.D.	N.D.	N.D.	The The	
Barium (Ba) (M)		0.25	N.D.	N.D.	N.D.	N.D.	1 8	
Cobalt (Co) (M)	The topologic Completions	0.01	N.D.	N.D.	N.D.	N.D.	0.05	
Copper (Cu) (M)	The second second	0.25	N.D.	N.D.	N.D.	N.D.	5	
Iron (Fe) (M)	70°C, 2h / ICP-OES	0.25	N.D.	N.D.	N.D.	N.D.	48	
Lithium (Li) (M)	annie Company	0.5	N.D.	N.D.	N.D.	N.D.	0.6	
Manganese (Mn) (M)	C Press	0.25	N.D.	N.D.	N.D.	N.D.	0.6	
Zinc (Zn) (M)		0.5	N.D.	N.D.	N.D.	N.D.	5	
Nickel (Ni) (M)	TA Banana	0.01	N.D.	N.D.	N.D.	N.D.	0.02	
Conclusion	the second contraction		Pass	Pass	Pass	Pass	1	

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No.18 C

Attestation of Global Compliance Std. & Tech.



Report No.: AGC03507191120-001

Date: Dec.03, 2019

Page 7 of

Unit:	mg/kg

total Control	C C	MDL					
GC Test Item(s)	Test condition/ Equipment		Test Result(s) 3% (w/v) Acetic acid				Limit
			1-6	1-7	1-8	1-9	Autosu
Aluminum (Al) (M)	70°C, 2h / ICP-OES	0.5	N.D.	N.D.	N.D.	N.D.	1
Barium (Ba) (M)		0.25	N.D.	N.D.	N.D.	N.D.	1
Cobalt (Co) (M)		0.01	N.D.	N.D.	N.D.	N.D.	0.05
Copper (Cu) (M)		0.25	N.D.	N.D.	N.D.	N.D.	5
Iron (Fe) (M)		0.25	N.D.	N.D.	N.D.	N.D.	48
Lithium (Li) (M)		0.5	N.D.	N.D.	N.D.	N.D.	0.6
Manganese (Mn) (M)		0.25	N.D.	N.D.	N.D.	N.D.	0.6
Zinc (Zn) (M)		0.5	N.D.	N.D.	N.D.	N.D.	5
Nickel (Ni) (M)		0.01	N.D.	N.D.	N.D.	N.D.	0.02
Conclusion	P Barrow of Co		Pass	Pass	Pass	Pass	/

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

2. M= Migration

3. MDL= method detection limit

4.3. Test result of Migration of BPA

OC DO			The Compliance	Result(s)			
Test Item(s)	Test condition/ Equipment	MDL	3% (w/v) Acetic acid				Limit
			1-1	1-3	1-4	1-5	
Migration of BPA	70°C, 2h/ LC-MS-MS	0.02	N.D.	N.D.	N.D.	N.D.	0.05
Conclusion	F. There and I am	Cobs Come	Pass	Pass	Pass	Pass	

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No.18

\GC Attestation of Global Compliance Std. & Tech.

A



Report No.: AGC03507191120-001

Date: Dec.03, 2019

Page 8 of 10

	SC SC	Pare.		Res	ult(s)		臣
Test Item(s)	Test condition/ Equipment	MDL	3% (w/v) Acetic acid				Limit
			1-6	1-7	1-8	1-9	
Migration of BPA	70°C, 2h/ LC-MS-MS	0.02	N.D.	N.D.	N.D.	N.D.	0.05
Conclusion	/	/	Pass	Pass	Pass	Pass	

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

2. MDL=method detection limit

For silicone 5.1. Overall Migration

C The word Gode	G M			Unit: mg/dm ²	
Test Solution	Test condition	MDL	Test Result(s)	Limit	
1 est Solution	Test condition	MIDL 1	1-10		
3%(w/v) Acetic acid	70%C 21	5	7.3	10	
50% (v/v) Ethanol	70°C, 2h	5	N.D.	10	
Conclusion	/	The total I a	Pass 9	Global / C	

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

2. MDL=method detection limit

5.2. Test result of Migration of BPA

 Ition/ nent
 MDL
 Result(s)

 3% (w/v) Acetic acid
 Limit

Test Item(s)	Equipment	MDL	3% (w/v) Acetic acid	Limit	
	THE THE	Transfer Co	1-10	GC "	
Migration of BPA	70°C, 2h/ LC-MS-MS	0.02	N.D.	0.05	
Conclusion		/	Pass	The tar	

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

2. MDL=method detection limit

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Report No.: AGC03507191120-001

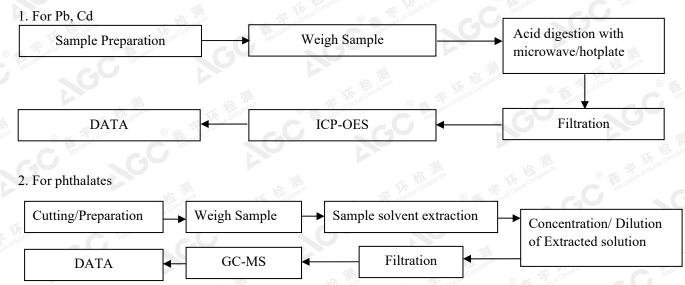
Date: Dec.03, 2019

Page 9 of 10

Sample Description

202	
1-1 8	Gray PP cover
1-2	S/S 201
1-3	Gray cup body
1-4	White cup body
1-5	Red cup body
1-6	Blue cup body
1-7	Orange cup body
1-8	Green cup body
1-9	Dark blue cup body
1-10	Silicone ring
1-11	Gray rope
1-12	Black plastic buckle

Test Flow Chart



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Report No.: AGC03507191120-001

Date: Dec.03, 2019

Page 10 of 10

The photo of the sample



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