

Report No.: AGC03507191012-001S1

Date: Oct.30, 2019

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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 1,6/F.,Building 2,No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan Test site: District, Shenzhen, Guangdong, China

Report on the submitted samples said to be:

:	Double wall SS mug
:	MO9246
:	107978
	CHINA
Atte	EUROPE
:	Oct.23, 2019
:	Oct.23, 2019 to Oct.29, 2019
	·····

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

Please refer to next page(s). Please refer to next page(s).





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Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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Test Requested:		Conclusion
 As specified by client, to determine the Lead and Lea sample(s) with reference to entry 63, Annex XVII of 1907/2006. 	-	Pass
2. As specified by client, to determine the Cadmium(with reference to entry 23, Annex XVII of the REAC	A Mest	Pass
3. As specified by client, to determine the Polycyclic A	romatic Hydrocarbons (PAHs) content	
in the submitted sample(s) with reference to entr Regulation (EC) No 1907/2006.	ry 50, Annex XVII of the REACH	Pass
4. As specified by client, to determine the phthalates c reference to entry 51 and its amendment (EU)2018		Pass
REACH Regulation (EC) No 1907/2006 and Amende	nent Regulation (EC) No 552/2009.	
5. As specified by client, to test sample with reference to	o 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 test sample with reference to	o Regulation 1935/2004/EC and	
Council of Europe Resolution AP (2004) 4 and (EU)	2018/213 for TPR:	
- Overall Migration(3%(w/v) Acetic acid, 50% (v/v)	Ethanol)	Pass
s- Migration of BPA		Pass
7. As specified by client, to test sample with reference to	o 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 Result(s):

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

R Allestation C			In		1 M	Jnit: mg/kg
Test item(s) Test Method/	The second		Result(s)		T :	
l est item(s)	Test item(s) Equipment	MDL	1-1	1-2	1-3	— Limit
Lead (Pb)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	500
Conclusion	ICP-OES	1	Pass	Pass	Pass	- C

C Trailon of Gov	C A num of Gobs	C Atestation of C	GU	C	U	nit: mg/kg
Test item(s) Test Method/ Equipment	MDI		Result(s)	A	The second	
	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	CY.	Pass	Pass	Pass	1

		# Intopal Contr	R . Folgloba	Alles		Jnit: mg/kg
Test item(s) Test Method/		MDI	Allestatio	Result(s)	P.O.	Limit
Test item(s) Equipment	MDL	1-7	1-8	1-9		
Lead (Pb)	IEC 62321-5:2013	10	N.D.	N.D.	13	500
Conclusion	ICP-OES	C I man	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 content

Gion Giona						Unit: mg/kg
Tost itom(s)	Test Method/	MDL		Result(s)	The states	Limit
lest item(s)	Equipment	MDL	1-1	1-2	1-3	
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES	1	Pass	Pass	Pass	

The second	The local sector	abal Compile	C Attestation C	C	itesta.	Unit: mg/kg
Test item (a)	Test Method/	M		Result(s)		T ::
Test 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	Participation of	Pass	Pass	Pass	

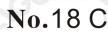
60		1	杨神	0.5	F Clobal Con	Unit: mg/kg
Tost itom(s)	Test Method/	MDL	For of Global Contr	Result(s)	station - C	Limit
Test item(s) Equipment	Equipment		1-7	1-8	1-9	
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES	The Constant	Pass	Pass	Pass	

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(s) of Polycyclic Aromatic Hydrocarbons (PAHs)

				L L	Jnit: mg/kg	
Test Item(c)	Test Method	MDL	Result(s)		The Completion	
G Test Item(s)	/Equipment	MIDL	1-1, Const	1-2	– Limit	
Benzo[a]anthracene (BaA)	C The sale of the second	0.1	N.D.	N.D.	1	
Chrysene (CHR)		0.1	N.D.	N.D.	1	
Benzo[b]fluoranthene (BbFA)		0.1	🐀 N.D.	N.D.	1	
Benzo[k]fluoranthene (BkFA)		0.1	N.D.	N.D.	C 1 ³ ³ ³ ³ ³ ³ ³	
Benzo[j]fluoranthene (BjFA)	AfPS GS 2014:01 PAK	0.1	N.D.	N.D.	1	
Benzo[a]pyrene (BaP)	GC-MS	0.1	N.D.	N.D.	1	
Benzo[e]pyrene(BeP)		0.1	N.D.	N.D.	K Complianci	
Dibenzo[a,h]anthracene (DBAhA)		0.1	N.D.	N.D.	1	
Sum of 8 PAHs		E M	N.D.	N.D.		
Conclusion			Pass	Pass	/	

GO AND	ALL THE	the manance	C THE STOR	Ur	Unit: mg/kg	
Tast Itam(s)	Test Method	MDL	Res	sult(s)	Limit	
Test Item(s)	/Equipment	MIDL	1-3	1-4	Linnt	
Benzo[a]anthracene (BaA)		0.1	N.D.	N.D.	The I	
Chrysene (CHR)	AN THE MEL	0.1	N.D.	N.D.	1 @	
Benzo[b]fluoranthene (BbFA)	no ance C and a construction	0.1	N.D.	N.D.	GU	
Benzo[k]fluoranthene (BkFA)		0.1	N.D.	N.D.	1	
Benzo[j]fluoranthene (BjFA)	AfPS GS 2014:01 PAK	0.1	N.D.	N.D.	4	
Benzo[a]pyrene (BaP)	GC-MS	0.1	N.D.	N.D.	Hestation of 1	
Benzo[e]pyrene(BeP)	E There compares 0 55 when	0.1	N.D.	N.D.	1	
Dibenzo[a,h]anthracene (DBAhA)	ACC from	0.1	N.D.	N.D.	1	
Sum of 8 PAHs		- 1	N.D.	N.D.	_	
Conclusion		1 st	Pass	Pass		

Note: 1. MDL=Method Detection Limit

- 2. N.D.=Not Detected(less than method detection limit)
- 3. "—"=Not regulated
- 4. As specified by client, only test the designated sample.

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4. Test Result(s) of phthalates content

and the state of the contract of the state o	C Mar					Unit:	%, w/w			
Toot Itom (c)	Test Method/	Test Method/ MDL		Res	ult(s)	0 -	Limit			
Test Item(s)	Equipment	MDL	1-1	1-2	1-3	1-4				
Dibutyl phthalate (DBP)	6 -0	0.01	N.D.	N.D.	N.D.	N.D.	0.1			
Butylbenzyl phthalate (BBP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1			
Di- (2-ethylhexyl) phthalate (DEHP)	The second second	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	<u>G</u>	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.	ompliance			
Di-isononyl phthalate (DINP)	The Company of the	0.01	N.D.	N.D.	N.D.	N.D.				
Di-isodecyl phthalate (DIDP)	NGC The	n of Clobal	Aufestation	to Globe C Autostatic	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	T HE H	1 5	Pass	Pass	Pass	Pass	hestation of O			

Unit: %, w/w

							<i>70, 11/11</i>	
Tart Itam(a)	Test Method/	Test Method/ MDL		Result(s)				
Test Item(s)	Equipment	MIDL	1-5	1-6	1-7	1-8	Limit	
Dibutyl phthalate (DBP)	antendo	0.01	N.D.	N.D.	N.D.	N.D.	0.1	
Butylbenzyl phthalate (BBP)	SO	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)	The the mounts	0.01	N.D.	N.D.	N.D.	N.D.	0.1	
Sum of DBP+BBP+DEHP+DIBP	EN 14372:2004	Aller -	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.	C-	
Di-isodecyl phthalate (DIDP)	C Hatton of Colorad Con	0.01	N.D.	N.D.	N.D.	N.D.		
Sum of DNOP+DINP+DIDP	JC Me		N.D.	N.D.	N.D.	N.D.	0.1	
Conclusion			Pass	Pass	Pass	Pass	1	

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

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

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- 4. "—" =Not regulated
- 5. As specified by client, only test the designated sample

EU food contact materials For plastic

5.1. Test result of Overall Migration

TICLE			Test Result(s)	Unit: mg/dm
Test Solution	Test condition	MDL	GG1-1	Limit
3%(w/v) Acetic acid		5	N.D.	10
50% (v/v) Ethanol	70°C, 2h	5	N.D.	10
Conclusion	The State Count of the Count	applier of Global	Pass	/

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

- 2. MDL=method detection limit
- 3. Surface area/Volume= $6 \text{ dm}^2/1\text{L}$

5.2. Test result of Special Migration of Heavy metals

ALLOS C.C.				Unit: mg/kg
		The Constance	Test Result(s)	
Test Item(s)	Test condition/ Equipment	MDL	3% (w/v) Acetic acid	Limit
	A CONTRACTOR	NO	1-1	
Aluminum (Al) (M)		0.5	N.D.	C The I of Cons
Barium (Ba) (M)	anniales	0.25	N.D.	1
Cobalt (Co) (M)	CC C	0.01	N.D.	0.05
Copper (Cu) (M)		0.25	N.D.	5 [®] 5
Iron (Fe) (M)	70°C, 2h / ICP-OES	0.25	N.D.	48
Lithium (Li) (M)	And Column C Mension of	0.5	N.D.	0.6
Manganese (Mn) (M)	SOC	0.25	N.D.	0.6
Zinc (Zn) (M)	The second	0.5	N.D.	5
Nickel (Ni) (M)	C There are a C	0.01	N.D.	0.02
Conclusion		1	Pass	· / The

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

- 2. M= Migration
- 3. MDL= method detection limit
- 4. Surface area/Volume= $6 \text{ dm}^2/1\text{L}$

5.3. Test result of Migration of BPA

Allest Contraction				Unit: mg/kg
			Result(s)	e e an a
Test Item(s)	Test condition/ Equipment	MDL 3% (w/v) Acet	3% (w/v) Acetic acid	ic acid Limit
		SC	1-1	
Migration of BPA	70°C, 2h/ LC-MS-MS	0.02	N.D.	0.05
Conclusion	The South Comments	The second	Pass	

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

- 2. MDL=method detection limit
- 3. Surface area/Volume=6 dm²/1L

For TPR 6.1. Overall Migration

The Standard	E Contraction of the second	adding of clobal C.	Test Result(s)	Unit: mg	
Test Solution	Test condition	MDL	1-2	- Limit	
3%(w/v) Acetic acid	70%C 21	20	21.4	60	
50% (v/v) Ethanol	70°C, 2h	0 20	N.D.	60	
Conclusion	Standard I		Pass	/	

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

- 2. MDL=method detection limit
- 3. Surface area/Volume=6 dm²/1L

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6.2. Test result of Migration of BPA

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

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

- 2. MDL=method detection limit
- 3. Surface area/Volume= $6 \text{ dm}^2/1\text{L}$

For silicone

7.1. Overall Migration

Ge F.	13	""	mpliance @ # won of Globa	Unit: mg/dm ²
Test Colution	Test condition	MDI	Test Result(s)	Timit
Test Solution	Test condition	MDL	1-3	– Limit
3%(w/v) Acetic acid		5	N.D.	10
50% (v/v) Ethanol	70°C, 2h	F There 5	N.D.	10
Conclusion	For course I _ C	1.0	Pass	

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

- 2. MDL=method detection limit
- 3. Surface area/Volume=6 dm²/1L

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7.2. Test result of Migration of BPA

			Unit: mg/kg
Test condition/	MDL	Result(s)	Limit
Equipment	1-3		
70°C, 2h/ LC-MS-MS	0.02	N.D.	0.05
玉塘那 / 玉楼	and I a the second	Pass	GI
	Equipment 70°C, 2h/	Equipment MDL	Test condition/ EquipmentMDL3% (w/v) Acetic acid70°C, 2h/ LC-MS-MS0.02N.D.

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

- 2. MDL=method detection limit
- 3. Surface area/Volume= $6 \text{ dm}^2/1\text{L}$

Sample Description

1-1	Black PP
1-2	Black TPR
1-3	White silicone ring
1-4	Black EVA
1-5	Black coating
1-6	Silver coating
1-7	Orange coating
1-8	Blue coating
1-9	201 S/S

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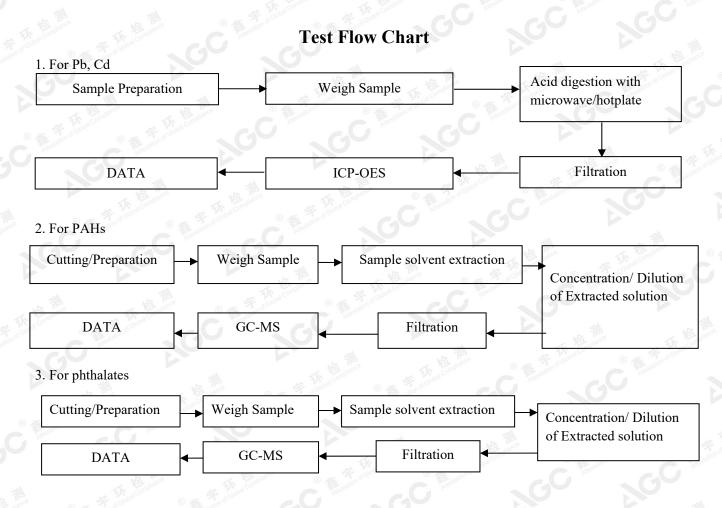
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The photo of the sample









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