AGC[®]鑫宇环检测 Attestation of Global Compliance

Test Report

Report No.: AGC-03507-19-09-02-001

Date: Sep.10, 2019

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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:

Sample Name	:	Double wall vacuum insulated bottle
Model No.	:	MO9812
Supplier	:	107978
Country of origin		CHINA
Country of destination	Alles	EUROPE
Sample Received Date	:	Sep.04, 2019
Testing Period	:	Sep.04, 2019 to Sep.10, 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).
	Model No. Supplier Country of origin Country of destination Sample Received Date Testing Period Test Requested: Test Method:	Model No.:Supplier:Country of origin:Country of destination:Sample Received Date:Testing Period:Test Requested::Test Method::



Technical Director

В



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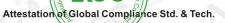
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Test Requested:		Conclusion
 As specified by client, to determine the Lead and Leasample(s) with reference to entry 63, Annex XVII of 1907/2006. 	•	Pass
2. As specified by client, to determine the Cadmium(C with reference to entry 23, Annex XVII of the REACH	Stresh .	Pass
 As specified by client, to determine the phthalates correference to entry 51 and its amendment (EU)2018/200 REACH Regulation (EC) No 1907/2006 and Amendmed As specified by client, to test sample with reference 1935/2004/EC and Technical Guide on Metals and allo 	95& entry 52, Annex XVII of the ent Regulation (EC) No 552/2009. to food for compliance with Regulation	Pass
Council of Europe Resolution CM/Res(2013)9. for met - Extractable heavy metal		Pass
5. As specified by client, to test sample with reference (EU) No.10/2011&(EU)2016/1416&(EU) 2017/752 an	d (EU) 2018/213 for plastic:	rass
- Overall Migration(3%(w/v) Acetic acid, 50% (v/v) H	Ethanol)	Pass
- Specific Migration of Heavy metals		Pass
Migration of BPA6. As specified by client, to test sample with reference of Europe Resolution AP (2004) 5 and (EU) 2018/213		Pass
- Overall Migration(3%(w/v) Acetic acid, 50% (v/v)	Ethanol)	Pass
- Migration of BPA		Pass

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

C.C. Hereiter	Test Method/	Test Method/		Result(s)			
Test item(s)	Equipment	MDL	1-1	1-2	1-3	1-4	- Limit
Lead (Pb)	IEC 62321-5:2013	10	14	3 13	33	N.D.	500
Conclusion ICP-OES			Pass	Pass	Pass	Pass	1.5

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

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INO. IO U 86-755 2531 6612 E-mail: agc01@agc-cert.com

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3. Test result of phthalates content

O The distance				Unit:	%, w/w
Test Item(s)	Test Method/	MDL	Res	ult(s)	Limit
	Equipment	INID L	1-3	1-4	Ellint
Dibutyl phthalate (DBP)	Beneficial Company	0.01	N.D.	N.D.	0.1
Butylbenzyl phthalate (BBP)	SO	0.01	N.D.	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)	-mil	0.01	N.D.	N.D.	0.1
Diisobutyl phthalate (DIBP)	The acompliance	0.01	N.D.	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP	EN 14372:2004	- 6	N.D.	N.D.	0.1
Di-n-octyl phthalate (DNOP)	GC-MS	0.01	N.D.	N.D.	ompliance
Di-isononyl phthalate (DINP)	B. The The The The second	0.01	N.D.	N.D.	7
Di-isodecyl phthalate (DIDP)	Course Course Course Course Course	0.01	N.D.	N.D.	
Sum of DNOP+DINP+DIDP	GC ···· D	-	N.D.	N.D.	0.1
Conclusion			Pass	Pass	The state

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

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Unit: mg/kg

For metal

4.1. Test result of Extractable heavy metal

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)1st + 2ndextractives1-2	Limit
Barium (Ba)	Hand The Hand	0.1	N.D.	8.4
Copper (Cu)		0.1	S ^C N.D.	28
Iron (Fe)		0.1	N.D.	280
Tin (Sn)		0.1	N.D.	700
Chromium (Cr)		0.01	N.D.	1.75
Manganese (Mn)		0.1	N.D.	12.6
Zinc (Zn)		0.1	N.D.	35
Aluminum (Al)		0.1	N.D.	35
Lithium (Li)		0.01	N.D.	0.336
Beryllium (Be)		0.005	N.D.	0.07
Vanadium (V)	Artificial tap water	0.005	N.D.	0.07
Nickel (Ni)	70°C, 2h ICP-OES	0.01	N.D.	0.98
Cobalt (Co)		0.01	N.D.	0.14
Arsenic (As)		0.002	N.D.	0.014
Molybdenum (Mo)		0.01	N.D.	0.84
Silver (Ag)		0.01	N.D.	0.56
Cadmium (Cd)		0.002	N.D.	0.035
Antimony (Sb)		0.01	N.D.	0.28
Mercury (Hg)		0.002	N.D.	0.021
Thallium (Tl)		0.0001	N.D.	0.0007
Lead (Pb)		0.01	N.D.	0.07
Conclusion		E	Pass	1

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Contraction Contraction		Anne	Test Result(s)	Unit: mg/kg
Test Item(s)	Test condition/ Equipment	MDL	3 rd extractives	Limit
Ge	Equipment	the constance the const	1-2	C Altestation of C
Barium (Ba)	Landre C Manual	0.1	N.D.	1.2
Copper (Cu)		0.1	N.D.	4
Iron (Fe)		0.1	N.D.	40
Tin (Sn)	The the man	0.1	N.D.	C 100
Chromium (Cr)	Bannin de colonie O Francisco	0.01	N.D.	0.25
Manganese (Mn)		0.1	N.D.	1.8
Zinc (Zn)	The Barrier	0.1	N.D.	5 5
Aluminum (Al)	co Constantion of Constant	0.1	N.D.	5
Lithium (Li)		0.01	N.D.	0.048
Beryllium (Be)		0.005	N.D.	0.01
Vanadium (V)	Artificial tap water 70°C, 2h	0.005	N.D.	0.01
Nickel (Ni)	ICP-OES	0.01	N.D.	0.14
Cobalt (Co)		0.01	N.D.	0.02
Arsenic (As)	The the and the second	0.002	N.D.	0.002
Molybdenum (Mo)	C The stand of Column	0.01	N.D.	0.12
Silver (Ag)		0.01	N.D.	0.08
Cadmium (Cd)	A THE A	0.002	N.D.	0.005
Antimony (Sb)	sobal Contra	0.01	N.D.	0.04
Mercury (Hg)	SC T	0.002	N.D.	0.003
Thallium (Tl)	1	0.0001	N.D.	0.0001
Lead (Pb)	F account commence	0.01	N.D.	0.01
Conclusion	⁶ Mestalion ⁰ - C		Pass	

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Note:

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

Remark:

Results from all three extractives are to be considered for compliance:

- (1). Result of 3^{rd} extractive shall not exceed the SRL;
- (2). Sum of result of 1st and 2nd extractives shall not exceed 7 times of SRL.

For plastic

5.1. Test result of Overall Migration

Unit: mg/dm²

Test Solution	The the comments	H. Edward	Test Result(s)	
	Test condition	MDL	1-3	Limit
3%(w/v) Acetic acid	7020 21	5	7.1*	10
50% (v/v) Ethanol	70°C, 2h	5	N.D.	10
Conclusion		C 1	Pass	/

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.

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5.2. Test result of Special Migration of Heavy metals

aba ^{con} Goba ^{conn}	<u> </u>			Unit: mg/kg	
			Test Result(s)	F In the Comple	
Test Item(s)	Test condition/ Equipment	MDL	3% (w/v) Acetic acid	Limit	
			1-3		
Aluminum (Al) (M)	A A A	0.5	N.D.	1	
Barium (Ba) (M)		0.25	N.D.		
Cobalt (Co) (M)		0.01	N.D.	0.05	
Copper (Cu) (M)	GC The second	0.25	N.D.	5	
Iron (Fe) (M)	70°C, 2h / ICP-OES	0.25	N.D.	48	
Lithium (Li) (M)	8 5 Tracons Company 6	0.5	N.D.	0.6	
Manganese (Mn) (M)	C Berry CC	0.25	N.D.	0.6	
Zinc (Zn) (M)		0.5	N.D.	5	
Nickel (Ni) (M)	The off the contraction	0.01	N.D.	0.02	
Conclusion			Pass		

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

2. M= Migration

3. MDL= method detection limit

5.3. Test result of Migration of BPA

		The Somelia	O T T O COURSECO	Unit: mg/kg
T Banne Q T F Stand Cont	· · · · · · · · · · · · · · · · · · ·	C Allestation of C	Result(s)	
Test Item(s)	Test condition/ Equipment	MDL	3% (w/v) Acetic acid	Limit
		11	1-3 - Thursday	O A Hard
Migration of BPA	70°C, 2h / LC-MS-MS	0.02	N.D.	0.05
Conclusion	GP		Pass	A TA

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

2. MDL=method detection limit

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For silicone

6.1. Test result of Overall Migration

C Mestoon V	0			Unit: mg/c
Test Solution	The second second	MDT a compare	Test Result(s)	Limit
	Test condition	MDL	C 1-4 C	
3%(w/v) Acetic acid	70°C, 2h	5	N.D.	10
50% (v/v) Ethanol		5	N.D.	10
Conclusion	Benning / H. The	A Standard	Pass	GY

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

2. MDL=method detection limit

6.2. Test result of Migration of BPA

			the manue	Unit: mg/kg
Test Item(s)	Test condition/ Equipment	MDL	Result(s) 3% (w/v) Acetic acid 1-4	Limit
Migration of BPA	70°C, 2h / LC-MS-MS	0.02	N.D.	0.05
Conclusion	The standard of the standard o	and Con I Con	Pass	

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

2. MDL=method detection limit

Sample Description

1-1	Stainless steel 201	· · · · ·	8 # Franciscon 8 # ton	of Golden C.C. Mean
1-2	Stainless steel 304	C The stored Global Cut		
1-3	Black PP cover	C free NO		A THE
1-4	Silicone ring		III The The Continues	F Global Complete

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Report No.: AGC-03507-19-09-02-001 Date: Sep.10, 2019 Page 10 of 10 **Test Flow Chart** 1.For Pb, Cd Acid digestion with Weigh Sample Sample Preparation microwave/hotplate **ICP-OES** Filtration DATA 2. For phthalates Cutting/Preparation Weigh Sample Sample solvent extraction Concentration/ Dilution of Extracted solution GC-MS Filtration DATA

The photo of the sample



AGC-03507-19-09-02-001 AGC authenticate the photo on original report only *** End of Report***

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