

Report No.: AGC03507190602-001

Date: Jun.25, 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
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:

Test Result

Sample Name	:	Metal vintage mug with enamel layer
Model No.	:	MO9756
Supplier	:	107978
Country of Origin	1	CHINA
Country of Destination	Atte	EUROPE
Sample Receiving Date	:	Jun.19, 2019
Testing Period	:	Jun.19, 2019 to Jun.25, 2019
Test Requested:	6	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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Date: Jun.25, 2019 Report No.: AGC03507190602-001 **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 Pass 1907/2006. 2. As specified by client, to test sample with reference to food for compliance with Regulation 1935/2004/EC and Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res(2013)9. for metal: - Extractable heavy metal Pass 3.As specified by client, to determine the Leachable Lead and Cadmium content in Enamel

Ware with reference to Regulation NO.84/500/EEC.

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Pass

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Test Result(s):

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

Attestatio			lin		: U	nit: mg/kg
Test item(s)	Test Method/ Equipment	MDL	The termine	as tion of Glos		
			1-1	1-2	1-3	
Lead (Pb)	IEC 62321-5:2013 ICP-OES	5	24	22	49	500
Conclusion		1	Pass	Pass	Pass	. C

C The station of Gu	® # stion of Glob	C Attestation o	GU JO		Unit: mg/kg
Test item(s)	Test Method/ Equipment	MDL	Resu	Limit	
			1-4 0	1-5	
Lead (Pb)	IEC 62321-5:2013 ICP-OES	5	26	27	500
Conclusion			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

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For metal

2. Test Result(s) of Extractable heavy metal

				Unit: mg/kg	
Test Item(s)	Test condition/ Equipment	MDL	Test Result(s) 1 st + 2 nd extractives 1-6	Limit	
Barium (Ba)		0.1	N.D.	8.4	
Copper (Cu)	the complete	0.1	N.D.	28	
Iron (Fe)	GC N	0.1	N.D.	280	
Tin (Sn)		0.1	N.D.	700	
Chromium (Cr)	- Franciscon	0.01	N.D.	1.75	
Manganese (Mn)	The second second	0.1	N.D.	12.6	
Zinc (Zn)		0.1	N.D.	35	
Aluminum (Al)	Et Clobal Companies	0.1	N.D.	35	
Lithium (Li)	C President CO	0.01	N.D.	0.336	
Beryllium (Be)		0.005	N.D.	0.07	
Vanadium (V)	0.5% citric acid,	0.005	N.D.	0.07	
Nickel (Ni)	ICP-OES	0.01	N.D.	0.98	
Cobalt (Co)	NOC A	0.01	N.D.	0.14	
Arsenic (As)	THE A	0.002	N.D.	0.014	
Molybdenum (Mo)	Con Franciscon	0.01	N.D.	0.84	
Silver (Ag)	C Brent CC	0.01	N.D.	0.56	
Cadmium (Cd)		0.002	N.D.	0.035	
Antimony (Sb)	The The second	0.01	N.D.	0.28	
Mercury (Hg)	Second Court	0.002	N.D.	0.021	
Thallium (Tl)	NOU IN	0.0001	N.D.	0.0007	
Lead (Pb)	TA BERNE	0.01	N.D.	0.07	
Conclusion	Cond Cloud Ct C The state of CC	E	Pass		

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Company		A State State		Unit: mg/kg	
	Tost condition!		Test Result(s)	Limit	
Test Item(s)	Fauinment	MDL	3 rd extractives		
G	Equipment	A Company The Company	1-6		
Barium (Ba)	Comparise C These and	0.1	N.D.	1.2	
Copper (Cu)		0.1	N.D.	4	
Iron (Fe)		0.1	N.D.	40	
Tin (Sn)	The transmost	0.1	N.D.	100	
Chromium (Cr)	Testione Contract	0.01	N.D.	0.25	
Manganese (Mn)	Sec.	0.1	N.D.	1.8	
Zinc (Zn)	The the second	0.1	N.D.	Monaton 5	
Aluminum (Al)	e e e e e e e e e e e e e e e e e e e	0.1	N.D.	5	
Lithium (Li)	60 ° 60	0.01	N.D.	0.048	
Beryllium (Be)		0.005	N.D.	0.01	
Vanadium (V)	0.5% citric acid, 70°C, 2h ICP-OES	0.005	N.D.	0.01	
Nickel (Ni)		0.01	N.D.	0.14	
Cobalt (Co)	L'IO	0.01	N.D.	0.02	
Arsenic (As)	The the second	0.002	N.D.	0.002	
Molybdenum (Mo)	C Standard Counce	0.01	N.D.	0.12	
Silver (Ag)		0.01	N.D.	0.08	
Cadmium (Cd)	GC Records of the little	0.002	N.D.	0.005	
Antimony (Sb)		0.01	N.D.	0.04	
Mercury (Hg)		0.002	N.D.	0.003	
Thallium (Tl)		0.0001	N.D.	0.0001	
Lead (Pb)	The states	0.01	N.D.	0.01	
Conclusion	C Rest		Pass	1	

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Note:

- 1. N.D.=Not Detected(less than method detection limit)
- 2. MDL= method detection limit

Remark:

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

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

For Enamel

3. Test Result(s) of Leachable Lead and Cadmium content

G						K	711	Un	it: mg/L
			The start		Res	ult(s)		Hestation of Glo	
Test Item(s)	Test Condition/ Equipment	MDL	4% (v/v) Acetic acid					Limit	
			1-7-A	1-7-B	1-7-С	1-7-D	1-7-Е	1-7-F	. T. 18
Lead (Pb)	BS EN 1388-1:1996 22°C, 24h/ICP-OES	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4.0
Cadmium (Cd)		0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3
Conclusion			Pass	Pass	Pass	Pass	Pass	Pass	Service 1 .

Note: 1. MDL=method detection limit

- 2. N.D.=not detected (less than method detection limit)
- 3. Results shown above are testing data of six groups.

Sample Description

1-1	Red coating			
1-2	Blue coating	The compliance	C The ration of Global	Contraction of the
1-3	Green coating	C The salion of Global	.C	
1-4	Black coating			THE AND
1-5	White coating	-110-		The Completion
1-6	Stainless steel cup edge	K Bandhard	a compliance 6 # For	Alestalon"
1-7	Enamel(inside)	Slope C Allestation of C	SGU	See F

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Test Flow Chart



The photo of the sample



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