



TEST REPORT

Report No.: STSGZ2211103021E

Date: 16-Nov-2022

Page 1 of 5

Applicant : Mid Ocean Brands B.V.

Address: 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

The following sample(s) and sample information was/were submitted and identified by client as:

Sample Name: Metal vintage mug with enamel layer

Model/Style/Item #: MO6917

Receiving Date: 10-Nov-2022

Test Period: From 10-Nov-2022 to 11-Nov-2022

Add Information: -

Test Summary:

#	Test Item(s)	Reference Standard/Method	Result(s)
1	Total Lead content -Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013, determined by AAS	PASS
2	Extractable Heavy metal - Regulation (EC) No 1935/2004 and Council of Europe Resolution CMRes(2013)9	BS EN 13130-1:2004&BS EN 11885:2009, determined by ICP-OES and ICP-MS	PASS
3	Extractable Lead, Cadmium - Regulation (EC) No 1935/2004, the Council of Europe Directive 84/500/EEC and its amendment 2005/31/EC	EN 1388-1:1995, determined by ICP-OES	PASS

Signed for and on behalf of STS

Tim Qi
(Technical Director)



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Guangzhou Depuhua Test Services Co. Ltd.

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Page 2 of 5

Result(s):

1. Total Lead content -Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006 IEC 62321-5:2013, determined by AAS

Compound		Material		Limit (mg/kg)	RL (mg/kg)
		1	2		
1	Lead(Pb) CAS#7439-92-1	N.D.	N.D.	500	10
Conclusion		PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
 (b) RL: Report limit
 (c) N.D.: Not detected (result is less than RL)

2. Extractable Heavy metal - Regulation (EC) No 1935/2004 and Council of Europe Resolution CMRes(2013)9 BS EN 13130-1: 2004&BS EN 11885:2009,determined by ICP-OES and ICP-MS

Test condition: 5g/L Citric acid, 70 °C , 2h, 3 times

Elements		Material		Limit (mg/kg)		RL (mg/kg)	
		2		1st + 2nd	3rd	1st + 2nd	3rd
		1st + 2nd	3rd				
1	Tin (Sn)	N.D.	N.D.	700	100	2	1
2	Copper (Cu)	N.D.	N.D.	28	4	2	1
3	Iron (Fe)	N.D.	N.D.	280	40	2	1
4	Manganese (Mn)	N.D.	N.D.	12.6	1.8	0.2	0.1
5	Zinc (Zn)	N.D.	N.D.	35	5	2	1
6	Aluminum (Al)	N.D.	N.D.	35	5	2	1
7	Barium (Ba)	N.D.	N.D.	8.4	1.2	0.2	0.1
8	Chromium (Cr)	N.D.	N.D.	1.75	0.25	0.1	0.05
9	Nickel (Ni)	N.D.	N.D.	0.98	0.14	0.1	0.05

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Page 3 of 5

10	Lithium (Li)	N.D.	N.D.	0.336	0.048	0.02	0.01
11	Beryllium (Be)	N.D.	N.D.	0.07	0.01	0.002	0.001
12	Vanadium (V)	N.D.	N.D.	0.07	0.01	0.002	0.001
13	Cobalt (Co)	N.D.	N.D.	0.14	0.02	0.002	0.001
14	Molybdenum (Mo)	N.D.	N.D.	0.84	0.12	0.02	0.01
15	Silver (Ag)	N.D.	N.D.	0.56	0.08	0.02	0.01
16	Antimony (Sb)	N.D.	N.D.	0.28	0.04	0.02	0.01
17	Lead (Pb)	N.D.	N.D.	0.07	0.01	0.002	0.001
18	Arsenic (As)	N.D.	N.D.	0.014	0.002	0.002	0.001
19	Cadmium (Cd)	N.D.	N.D.	0.035	0.005	0.002	0.001
20	Mercury (Hg)	N.D.	N.D.	0.021	0.003	0.002	0.001
21	Thallium (Tl)	N.D.	N.D.	0.0007	0.0001	0.0002	0.0001
22	Magnesium (Mg)	N.D.	N.D.	-	-	2	1
23	Titanium (Ti)	N.D.	N.D.	-	-	2	1
	Conclusion	PASS	PASS	-	-	-	-

Remark(s): (a) mg/kg: milligram per kilogram

(b) RL: Report limit

(c) N.D.: Not detected (result is less than RL)

(d) The sum of all lanthanide substances migrating to the food or food simulant does not exceed the specific migration limit of 0,05 mg/kg

3. Extractable Lead, Cadmium - Regulation (EC) No 1935/2004, the Council of Europe Directive 84/500/EEC and its amendment 2005/31/EC EN 1388-1:1995, determined by ICP-OES

Test Condition: 4% Acetic acid, 22°C, 24h

Test specification		Result(s)	Limit (mg/L)	RL (mg/L)
		1		
1	Lead (Pb)	N.D.	4.0	0.1
2	Cadmium (Cd)	N.D.	0.3	0.01
	Conclusion	PASS	-	-

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Report No.: STSGZ2211103021E

Date: 16-Nov-2022

Page 4 of 5

Remark(s): (a) mg/L: milligram per litre
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)

Material List:

Material #	Position / Sample Description
1	White enamel,cup body
2	Silvery metal,rिम of a cup

Photo(s):



<<< <<< END OF REPORT >>> >>>

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Page 5 of 5

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