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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

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

Sample Name: Glass bottle with bamboo lid

Model/Style/Item #: MO6426

Receiving Date: 15-Nov-2021

Test Period: From 15-Nov-2021 to 23-Nov-2021

Add Information: -

Test Summary:

#	Test Item(s)	Reference Standard/Method	Result
1	Phthalate content (DIBP、DEHP、DBP、BBP、DINP、DIDP、DNOP) - Item 51&52 of Annex XVII of REACH Regulation (EC) 1907/2006.	EN 14372:2004 & IEC 62321- 8:2017, determined by GC-MS	PASS
2	Cadmium content - Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013, determined by AAS	PASS
3	Total Lead content - Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013, determined by AAS	PASS

*********************Please refer to the following page for detailed results*********

Signed for and on behalf of STS

Tim Qi
(Technical Director)

STS WHUA TEST SERVICES CO



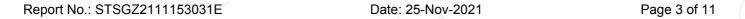


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#	Test Item(s)	Reference Standard/Method	Result
4	Overall migration for Plastic Materials in Contact with Foodstuffs - Regulation (EC) No 1935/2004, the Commission Regulation (EU) No 10/2011 and its amendment (EU)2020/1245	EN 1186-1:2002 & EN 1186- 3:2002	PASS
5	Specific migration of Heavy Metal for Plastic Materials in Contact with Foodstuffs - Regulation (EC) No 1935/2004, the Commission Regulation (EU) No 10/2011 and its amendment (EU)2020/1245	EN 13130-1: 2004, determined by ICP-OES	PASS
6	Specific migration of Primary Aromatic Amine for Plastic Materials in Contact with Foodstuffs - Regulation (EC) No 1935/2004, the Commission Regulation (EU) No 10/2011 and its amendment (EU)2020/1245 EN 13130-1:2004, determined by GC/MS		PASS
7	Specific migration of Bisphenol A for Plastic Materials in Contact		PASS
8	Overall Migration for Silicone Materials in Contact with Foodstuffs -	EN 1186-1:2002 & EN 1186- 3:2002	PASS
9	Volatile Compounds Content for Silicone Materials in Contact with Foodstuffs - Regulation (EC) No 1935/2004, French Decree 2007-766 and French Order 25/11/1992	Order 25/11/1992	PASS
10	Peroxide Value for Silicone Materials in Contact with Foodstuffs - Regulation (EC) No 1935/2004, French Decree 2007-766 and French Order 25/11/1992	French pharmacopoeia method	PASS
11	Organotin Content for Silicone Materials in Contact with Foodstuffs - Regulation (EC) No 1935/2004, French Decree 2007- 766 and French Order 25/11/1992	EN 13130-1:2004,determined by ICP-OES	PASS
12	Bisphenol A Content for Silicone Materials in Contact with Foodstuffs – French Law No. 2012-1442	In-house Method,determined by LC-MS	PASS
13	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
14	Formaldehyde - EN 71-9:2005+A1:2007	EN 717-3:1996, analyzed by Spectrophotometer(UV).	PASS
15	Wood moisture - As Client's Requirement	In-house Method	PASS







Result:

Phthalate content (DIBP、DEHP、DBP、BBP、DINP、DIDP、DNOP) EN 14372:2004 & IEC 62321-8:2017, determined by GC-MS

		0		Material		Limit	RL
		Compound	1	2	3	(%)	(%)
1	DBP	Dibutyl Phthalate CAS# 84-74-2	N.D.	N.D.	N.D.	-	0.005
2	BBP	Benzylbutyl Phthalate CAS# 85-68-7	N.D.	N.D.	N.D.	-	0.005
3	DEHP	Bis-(2-ethylhexyl)Phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	-	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.) <u>-</u>	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	N.D.	-	0.005
6	DINP	Di-iso-nonyl phthalate CAS# 28553-12-0	N.D.	N.D.	N.D.	-	0.005
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	- /	0.005
8	Sum of	1, 2, 3 & 4	N.D.	N.D.	N.D.	0.1	<u> </u>
9	Sum of	5, 6 & 7	N.D.	N.D.	N.D.	0.1	-
	Conclu	sion	PASS	PASS	PASS	-	-

Remark(s): (a) RL: Report limit

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

2. **Cadmium content**

IEC 62321-5:2013, determined by AAS

Compound			Material	Limit	RL	
		1	2	3	(mg/kg)	(mg/kg)
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	100	10
	Conclusion	PASS	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram (b) RL: Report limit

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



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Total Lead content

IEC 62321-5:2013, determined by AAS

Compound		Material				Limit	RL
		1	2	3	4	(mg/kg)	(mg/kg)
1	Lead(Pb) CAS#7439-92-1	N.D.	N.D.	N.D.	N.D.	500	10
	Conclusion	PASS	PASS	PASS	PASS	-	-

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

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

Overall migration for Plastic Materials in Contact with Foodstuffs EN 1186-1:2002 & EN 1186-3:2002

	Test specification		2		Limit (mg/dm²)	RL (mg/dm²)
		1 st	2 nd	3 rd		
1	10%Ethanol, 70℃ , 2h	5.9	3.1	N.D.	10	3
2	3%acetic acid , 70℃ , 2h	7.1	3.5	N.D.	10	3
	Conclusion	-	-	PASS	-	-

Remark(s): (a) mg/dm2: milligram square decimetre

(b) RL: Report limit

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

Specific migration of Heavy Metal for Plastic Materials in Contact with Foodstuffs EN 13130-1: 2004, determined by ICP-OES

Test condition: 3% acetic acid, 70 °C , 2h

			Material			
Compound		2			Limit (mg/kg)	RL (mg/kg)
		1 st	2 nd	3 rd	, ,	, , ,
1	Aluminum (Al)	N.D.	N.D.	N.D.	1	0.1
2	Ammonium	N.D.	N.D.	N.D.	-	0.1



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3	Antimony (Sb)	N.D.	N.D.	N.D.	0.04	0.01
4	Arsenic (As)	N.D.	N.D.	N.D.	Not Detected	0.01
5	Barium (Ba)	N.D.	N.D.	N.D.	1	0.1
6	Cadmium(Cd)	N.D.	N.D.	N.D.	Not Detected	0.002
7	Calcium(Ca)	N.D.	N.D.	N.D.	-	0.1
8	Chromium (Cr)	N.D.	N.D.	N.D.	Not Detected	0.01
9	Cobalt (Co)	N.D.	N.D.	N.D.	0.05	0.01
10	Copper (Cu)	N.D.	N.D.	N.D.	5	0.5
11	Europium (Eu)	N.D.	N.D.	N.D.	0.05*	0.01
12	Gadolinium (Gd)	N.D.	N.D.	N.D.	0.05*	0.01
13	Iron (Fe)	N.D.	N.D.	N.D.	48	1
14	Lanthanum (La)	N.D.	N.D.	N.D.	0.05*	0.01
15	Lead(Pb)	N.D.	N.D.	N.D.	Not Detected	0.01
16	Lithium (Li)	N.D.	N.D.	N.D.	0.6	0.1
17	Magnesium(Mg)	N.D.	N.D.	N.D.	-	0.1
18	Manganese (Mn)	N.D.	N.D.	N.D.	0.6	0.05
19	Mercury(Hg)	N.D.	N.D.	N.D.	Not Detected	0.01
20	Nickel (Ni)	N.D.	N.D.	N.D.	0.02	0.01
21	Potassium(K)	N.D.	N.D.	N.D.		0.1
22	Sodium(Na)	N.D.	N.D.	N.D.		0.1
23	Terbium (Tb)	N.D.	N.D.	N.D.	0.05*	0.01
24	Zinc (Zn)	N.D.	N.D.	N.D.	5	1
	Conclusion	-	-	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



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Specific migration of Primary Aromatic Amine for Plastic Materials in Contact with Foodstuffs EN 13130-1:2004, determined by GC/MS

Test condition: 3% acetic acid, 70 °C , 2h

Compound			Material			
		2			Limit (mg/kg)	RL (mg/kg)
		1 st	2 nd	3 rd		
1	Primary Aromatic Amine(PAA)	N.D.	N.D.	N.D.	0.01	0.002
	Conclusion	-	-	PASS	-	-

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

(b) RL: Report limit

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

(d) 22 PAAs in entry 43 to Appendix 8 of REACH Annex XVII and 1 PAA in Table 1 of Annex I of (EU) No 10/2011 not exceed 0,002 mg/kg each; The sum of other PAAs not exceed 0,01 mg/kg

Specific migration of Bisphenol A for Plastic Materials in Contact with Foodstuffs 7. DD CEN/TS 13130-13:2005, determined by LC-MS

Test Condition: 3%Acetic acid, 70°C, 2h

Compound			Material			
			2		Limit (mg/kg)	RL (mg/kg)
		1 st	2 nd	3 rd	, , ,	
1	Bisphenol A (BPA)	N.D.	N.D.	N.D.	0.05	0.01
	Conclusion	-	-	PASS	-	-

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

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

Overall Migration for Silicone Materials in Contact with Foodstuffs 8. EN 1186-1:2002 & EN 1186-3:2002

	Test specification	Material 3	Limit (mg/dm²)	RL (mg/dm²)
1	10%Ethanol, 70°C , 2h	N.D.	10	3
2	3%acetic acid , 70℃ , 2h	4.5	10	3



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Conclusion	PASS	-	-

Remark(s): (a) mg/dm²: milligram square decimetre

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

9. Volatile Compounds Content for Silicone Materials in Contact with Foodstuffs Order 25/11/1992

Test condition: 200 °C, 4h

	Compound	Material	Limit	RL (%)
	Compound	3	(%)	
1	Volatile Compounds	0.41	0.5	0.1
	Conclusion	PASS	-	-

Remark(s): (a) RL: Report limit

(b) This data is copied from the report STSGZ2110283060E-6

Peroxide Value for Silicone Materials in Contact with Foodstuffs 10. French pharmacopoeia method

	Compound	Material	Requirement	
	Compound	3		
1	Peroxide Value	Negative	Negative	
	Conclusion	PASS	-	

Organotin Content for Silicone Materials in Contact with Foodstuffs EN 13130-1:2004, determined by ICP-OES

Test condition: 70°C, 2h

	Compound	Material 3	Limit (mg/kg)	RL (mg/kg)
1	Organotin(as Sn)	N.D.	0.1	0.01
	Conclusion	PASS	-	-





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

(b) RL: Report limit

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

(d) This data is copied from the report STSGZ2110283060E-6

12. Bisphenol A Content for Silicone Materials in Contact with Foodstuffs

In-house Method, determined by LC-MS

Compound		Material 3	Limit (mg/kg)	RL (mg/kg)
_1	Bisphenol A	N.D.	Prohibit	0.1
	Conclusion	PASS	-	-

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

(b) RL: Report limit

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

(d) This data is copied from the report STSGZ2110283060E-6

13. Extractable Lead, Cadmium

EN 1388-1:1995, determined by ICP-OES

Test Condition: 4% Acetic acid, 22℃, 24h

	Result(s) Test specification		Limit	RL
	rest specification	4	(mg/L)	(mg/L)
1	Lead (Pb)	N.D.	4.0	0.1
2	Cadmium (Cd)	N.D.	0.3	0.01
	Conclusion	PASS	-	-

Remark(s): (a) mg/L: milligram per litre

(b) RL: Report limit

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

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Guangzhou Depuhua Test Services Co. Ltd.

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14. Formaldehyde Release

EN 717-3:1996, analyzed by UV-Vis(for Wood)

	Compound	Result(s)		Limit	RL
	Compound	1			(mg/kg)
1	Formaldehyde	N.D.		80	10
	Conclusion	PASS		-	-

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

(b) RL: report limit

15. Wood moisture In-house Method

	ltem	Result(s)	Client's Limit	RL
item		1 ((%)
1	Moisture	6.4	15	1
	Conclusion	PASS	-	-

Remark(s): (a) %: mass percentage (b) RL: report limit

Material List:

Material #	Position / Sample Description
1	Brown bamboo with glue, cover
2	White plastic, cover
3	Translucent soft plastic, washer
4	Transparent glass, bottle

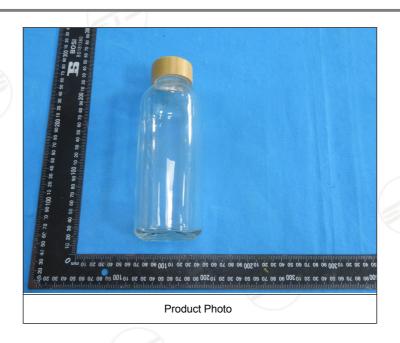
Remark(s): (a)The test material point is selected by client, the chemical test conclusions in the report only apply to the test material.





Photo(s):

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