



TEST REPORT

Report No.: STSGZ2204153037E

Date: 27-May-2022

Page 1 of 8

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: Double wall high borosilicate glass with silicone lid

Vendor code: MO9927

Receiving Date: 15-Apr-2022,5-May-2022,17-May-2022,24-May-2022

Test Period: From 15-Apr-2022 to 26-May-2022

Add Information: -

Test Summary:

#	Test Item(s)	Reference Standard/Method	Result
1	Cadmium content -Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013, determined by AAS	PASS
2	Total Lead content -Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013, determined by AAS	PASS
3	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
4	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

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

Signed for and on behalf of STS

Tim Qi
(Technical Director)



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Report No.: STSGZ2204153037E

Date: 27-May-2022

Page 2 of 8

#	Test Item(s)	Reference Standard/Method	Result
5	Overall Migration for Silicone Materials in Contact with Foodstuffs - Regulation (EC) No 1935/2004, the Council of Europe Resolution AP(2004)5	EN 1186-1:2002 & EN 1186-3:2002	PASS
6	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
7	Bisphenol A Contents – French Law No. 2012-1442	In-house Method, determined by LC-MS	PASS
8	Peroxide residues for Silicone Materials in Contact with Foodstuffs- Regulation (EC) No 1935/2004, French Decree 2007- 766 and French Order 25/11/1992	French pharmacopoeia	PASS
9	Bisphenol A Contents - Verification for label claim validity	In-house Method, determined by LC-MS	PASS
10	Overall Migration - Regulation (EC) No 1935/2004, French Decree 2007- 766 and French Order 25/11/1992	EN 1186-1:2002 & EN 1186-3:2002	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

Result:

1. Cadmium content IEC 62321-5:2013, determined by AAS

	Compound	Result(s)	Limit (mg/kg)	RL (mg/kg)
		1		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	100	10
	Conclusion	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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TEST REPORT

Report No.: STSGZ2204153037E

Date: 27-May-2022

Page 3 of 8

2. Total Lead content IEC 62321-5:2013, determined by AAS

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

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

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

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

Remark(s): (a) RL: Report limit
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Report No.: STSGZ2204153037E

Date: 27-May-2022

Page 4 of 8

4. 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)
		2		
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)

5. Overall Migration for Silicone Materials in Contact with Foodstuffs - Regulation (EC) No 1935/2004, the Council of Europe Resolution AP(2004)5 EN 1186-1:2002 & EN 1186-3:2002

Test specification		Result(s)	Limit (mg/dm ²)	RL (mg/dm ²)
		1		
1	10% Ethanol, 70°C, 2h	N.D.	10	3
3	3% Acetic acid, 70 °C , 2h	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)

6. Volatile Compounds Content Order 25/11/1992

Test condition: 200°C, 4h

Compound		Material	Limit (%)	RL (%)
		1		
1	Volatile Compounds	0.12	0.5	0.1
Conclusion		PASS	-	-

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TEST REPORT

Report No.: STSGZ2204153037E

Date: 27-May-2022

Page 5 of 8

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

7. Bisphenol A Contents In-house Method, determined by LC-MS

Compound		Material	Limit (mg/kg)	RL (mg/kg)
		1		
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)

8. Peroxide residues French pharmacopoeia

Compound		Material	Requirement
		1	
1	Peroxide residues	Negative	Negative
Conclusion		PASS	-

9. Bisphenol A Contents- Verification for label claim validity In-house Method, determined by LC-MS

Compound		Material	Limit (mg/kg)	RL (mg/kg)
		1		
1	Bisphenol A	N.D.	Prohibit	0.1
Conclusion		PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
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Report No.: STSGZ2204153037E

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Page 6 of 8

10. Overall Migration - Regulation (EC) No 1935/2004, French Decree 2007- 766 and French Order 25/11/1992 EN 1186-1:2002 & EN 1186-3:2002

Test specification		Result(s)	Limit (mg/dm ²)	RL (mg/dm ²)
		1		
1	10% Ethanol, 70°C, 2h	N.D.	10	3
3	3% Acetic acid, 70 °C , 2h	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)

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

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

Compound		Material	Limit (mg/kg)	RL (mg/kg)
		1		
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)

Material List:

Material #	Position / Sample Description
1	Black silicone, lid
2	Transparent glass, cup

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Page 7 of 8

Photo(s):



Product Photo

END OF REPORT

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Report No.: STSGZ2204153037E

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Page 8 of 8

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