TEST REPORT

Applicant : Mid Ocean Brands B.V.

Address : Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

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

Sample Name : Double wall travel cup

Model/Item No. : MO6700

Vendor Code : 107978

Test Period : From Aug. 18, 2026 to Aug. 24, 2026

Tests Conducted : As requested by the applicant, for details refer to next page(s).

Signed for and on behalf of

Compliance Control Institute (Guangzhou) Co., Ltd.

Approved by:

Pascal SHI/Technical Director

Compliance Control Institute (Guangzhou) Co., Ltd.

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Executive Summary:

No.	TESTED SAMPLES	STANDARD / REQUIREMENT	CONCLUSION
1	Tested material(s) of submitted sample(s)	Entry 23 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Cadmium (Cd)	PASS
2	Tested material(s) of submitted sample(s)	Entry 50 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Polycyclic-aromatic hydrocarbons (PAH)	PASS
3	Tested material(s) of submitted sample(s)	Entry 51&52 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Phthalate	PASS
4	Tested material(s) of submitted sample(s)	Entry 63 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Lead (Pb)	PASS
5	Tested material(s) of submitted sample(s)	Regulation (EC) No. 1935/2004 & Regulation (EU) No 10/2011 and amendment directive (EU) 2020/1245 and the amendment Commission Regulation (EU) 2024/3190 for plastic materials - Overall Migration - 3% Acetic acid - 50% Ethanol - Specific migration of restricted substances - Specific migration of Primary Aromatic Amines - Bisphenol A (BPA)	PASS
6	Tested material(s) of submitted sample(s)	Regulation (EC) No. 1935/2004 & Resolution AP(2004)5 on Silicone rubber products intended to come into contact with foodstuffs - Overall Migration - 3% Acetic acid - 50% Ethanol - Bisphenol A (BPA)	PASS
7	Tested material(s) of submitted sample(s)	French Arrêté du 25 novembre 1992 on Silicon - Overall Migration - 3% Acetic acid - 50% Ethanol - Volatile Organic matter (VOM) - Peroxide Value - Specific migration of organotin (As Tin) - Bisphenol A (BPA)	PASS

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TESTS CONDUCTED:

1. Cadmium (Cd)

Test Method: With reference to EPA 3052:1996, EPA 3050B:1996, the analysis was performed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Material No.	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)	Conclusion
1	1000	2	N.D.	PASS
3+4	100	2	N.D.	PASS
5	100	2	N.D.	PASS
6	100	2	N.D.	PASS

Note:

1. mg/kg = Milligram per kilogram.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

2. Polycyclic-aromatic hydrocarbons (PAH)

Test Method: With reference to AfPS GS 2019:01 PAK, the analysis was performed by Gas Chromatography-Mass Spectrometry (GC-MS).

Restricted Substances	CAS No.	RL (mg/kg)	Test Result (mg/kg)			
			1	3+4	5	6
Benzo[a]pyrene (BaP)	50-32-8	0.2	N.D.	N.D.	N.D.	N.D.
Benzo[e]pyrene (BeP)	192-97-2	0.2	N.D.	N.D.	N.D.	N.D.
Benzo[a]anthracene (BaA)	56-55-3	0.2	N.D.	N.D.	N.D.	N.D.
Chrysen (CHR)	218-01-9	0.2	N.D.	N.D.	N.D.	N.D.
Benzo[b]fluoranthene (BbFA)	205-99-2	0.2	N.D.	N.D.	N.D.	N.D.
Benzo[j]fluoranthene (BjFA)	205-82-3	0.2	N.D.	N.D.	N.D.	N.D.
Benzo[k]fluoranthene (BkFA)	207-08-9	0.2	N.D.	N.D.	N.D.	N.D.
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	0.2	N.D.	N.D.	N.D.	N.D.
Conclusion			PASS	PASS	PASS	PASS

Note:

1. mg/kg = Milligram per kilogram.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.
4. Requirement: a) For articles for supply to the general public: No more than 1mg/kg each;
   b) For toys: No more than 0.5mg/kg each.

3. Phthalates

Test Method: With reference to EN 14372:2004, the analysis was performed by Gas Chromatography-Mass Spectrometry (GC-MS).

Restricted Substances	CAS No.	RL (%)	Limit (%)	Test Result (%)			
				1	3+4	5	6
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	0.003	0.1	N.D.	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	0.003	0.1	N.D.	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	0.003	0.1	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	0.003	0.1	N.D.	N.D.	N.D.	N.D.
Sum		/	0.1	N.D.	N.D.	N.D.	N.D.
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	0.005	0.1	N.D.	N.D.	N.D.	N.D.
Di-isodecyl phthalate (DIDP)	26761-40-0 68515-49-1	0.005	0.1	N.D.	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	0.003	0.1	N.D.	N.D.	N.D.	N.D.
Sum		/	0.1	N.D.	N.D.	N.D.	N.D.
Conclusion				PASS	PASS	PASS	PASS

Note:

1. % = Percentage by weight.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.
4. / = Not Specified.

4. Lead (Pb)

Test Method: With reference to EPA 3052:1996, EPA 3050B:1996, the analysis was performed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Material No.	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)	Conclusion
1	500	2	N.D.	PASS
2+7	500	2	N.D.	PASS
3+4	500	2	N.D.	PASS
5	500	2	N.D.	PASS
6	500	2	N.D.	PASS

Note:

1. mg/kg = Milligram per kilogram.

2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

5.1. Overall Migration

Test Method: With reference to EN 1186-1:2002, EN 1186-3:2022

S/V ration: 1.00 dm^2 / 100 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result		
			3		
			1st	2nd	3rd
Overall Migration - 3% Acetic acid (70℃, 2h)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (70℃, 2h)	10	1	N.D.	N.D.	N.D.
Conclusion			PASS		

S/V ration: 1.00 dm^2 / 100 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result		
			4		
			1st	2nd	3rd
Overall Migration - 3% Acetic acid (70℃, 2h)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (70℃, 2h)	10	1	N.D.	N.D.	N.D.
Conclusion			PASS		

Note:

1. mg/dm^2 = Milligram per square decimeter.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

5.2. Specific migration of restricted substances

Test Method: EN 13130-1:2004, the analysis was performed by Inductively Coupled Plasma Mass Spectrometer (ICP-MS) or Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).

Test Condition: 3% acetic acid, 70℃, 2h

S/V ration: 1.00 dm^2 / 167 mL

Test Item	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)		
			3		
			1st	2nd	3rd
Aluminum (Al)	1	0.05	N.D.	N.D.	N.D.
Manganese (Mn)	0.6	0.05	N.D.	N.D.	N.D.
Iron (Fe)	48	0.05	N.D.	N.D.	N.D.
Cobalt (Co)	0.05	0.01	N.D.	N.D.	N.D.
Copper (Cu)	5	0.05	N.D.	N.D.	N.D.
Zinc (Zn)	5	0.1	N.D.	N.D.	N.D.
Barium (Ba)	1	0.05	N.D.	N.D.	N.D.
Nickel (Ni)	0.02	0.01	N.D.	N.D.	N.D.
Lithium (Li)	0.6	0.02	N.D.	N.D.	N.D.
Antimony (Sb)	0.04	0.01	N.D.	N.D.	N.D.
Arsenic (As)	N.D.	0.01	N.D.	N.D.	N.D.
Cadmium (Cd)	N.D.	0.002	N.D.	N.D.	N.D.
Calcium (Ca)	/	0.01	N.D.	N.D.	N.D.
Chromium (Cr)	N.D.	0.01	N.D.	N.D.	N.D.
Europium (Eu)	0.05	0.05	N.D.	N.D.	N.D.
Gadolinium (Gd)	0.05	0.05	N.D.	N.D.	N.D.
Lanthanum (La)	0.05	0.05	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	0.01	N.D.	N.D.	N.D.
Magnesium (Mg)	/	0.01	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	0.01	N.D.	N.D.	N.D.
Potassium (K)	/	0.01	N.D.	N.D.	N.D.
Sodium (Na)	/	0.01	N.D.	N.D.	N.D.
Terbium (Tb)	0.05	0.05	N.D.	N.D.	N.D.
Conclusion			PASS		

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S/V ration: 1.00 dm^2 / 167 mL

Test Item	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)		
			4		
			1st	2nd	3rd
Aluminum (Al)	1	0.05	N.D.	N.D.	N.D.
Manganese (Mn)	0.6	0.05	N.D.	N.D.	N.D.
Iron (Fe)	48	0.05	N.D.	N.D.	N.D.
Cobalt (Co)	0.05	0.01	N.D.	N.D.	N.D.
Copper (Cu)	5	0.05	N.D.	N.D.	N.D.
Zinc (Zn)	5	0.1	N.D.	N.D.	N.D.
Barium (Ba)	1	0.05	N.D.	N.D.	N.D.
Nickel (Ni)	0.02	0.01	N.D.	N.D.	N.D.
Lithium (Li)	0.6	0.02	N.D.	N.D.	N.D.
Antimony (Sb)	0.04	0.01	N.D.	N.D.	N.D.
Arsenic (As)	N.D.	0.01	N.D.	N.D.	N.D.
Cadmium (Cd)	N.D.	0.002	N.D.	N.D.	N.D.
Calcium (Ca)	/	0.01	N.D.	N.D.	N.D.
Chromium (Cr)	N.D.	0.01	N.D.	N.D.	N.D.
Europium (Eu)	0.05	0.05	N.D.	N.D.	N.D.
Gadolinium (Gd)	0.05	0.05	N.D.	N.D.	N.D.
Lanthanum (La)	0.05	0.05	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	0.01	N.D.	N.D.	N.D.
Magnesium (Mg)	/	0.01	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	0.01	N.D.	N.D.	N.D.
Potassium (K)	/	0.01	N.D.	N.D.	N.D.
Sodium (Na)	/	0.01	N.D.	N.D.	N.D.
Terbium (Tb)	0.05	0.05	N.D.	N.D.	N.D.
Conclusion			PASS		

Note:

1. mg/kg = Milligram per kilogram.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

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5.3. Specific migration of Primary Aromatic Amines Test Method: With reference to EN 13130-1:2004
Test Condition: 3% acetic acid, 70℃ , 2h
Material No. 3: S/V ration: 1.00 dm^2 / 167 mL
Material No. 4: S/V ration: 1.00 dm^2 / 167 mL

No.	Test Item	CAS No.	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)		Conclusion
					3	4	
1	4-aminodiphenyl	92-67-1	N.D.	0.002	N.D.	N.D.	PASS
2	Benzidine	92-87-5	N.D.	0.002	N.D.	N.D.	PASS
3	4-chloro-o-toluidine	95-69-2	N.D.	0.002	N.D.	N.D.	PASS
4	2-naphthylamine	91-59-8	N.D.	0.002	N.D.	N.D.	PASS
5	o-aminoazotoluene	97-56-3	N.D.	0.002	N.D.	N.D.	PASS
6	2-amino-4-nitrotoluene	99-55-8	N.D.	0.002	N.D.	N.D.	PASS
7	p-chloroaniline	106-47-8	N.D.	0.002	N.D.	N.D.	PASS
8	2,4-diaminoanisole	615-05-4	N.D.	0.002	N.D.	N.D.	PASS
9	4,4,-diaminodiphenylmethane	101-77-9	N.D.	0.002	N.D.	N.D.	PASS
10	3,3,-dichlorobenzidine	91-94-1	N.D.	0.002	N.D.	N.D.	PASS
11	3,3,-dimethoxybenzidine	119-90-4	N.D.	0.002	N.D.	N.D.	PASS
12	3,3,-dimethylbenzidine	119-93-7	N.D.	0.002	N.D.	N.D.	PASS
13	3,3,-dimethyl-4,4,diaminodiphenylmethane	838-88-0	N.D.	0.002	N.D.	N.D.	PASS
14	p-cresidine	120-71-8	N.D.	0.002	N.D.	N.D.	PASS
15	4,4,-methylene-bis-(2-chloroaniline)	101-14-4	N.D.	0.002	N.D.	N.D.	PASS
16	4,4,-oxydianiline	101-80-4	N.D.	0.002	N.D.	N.D.	PASS
17	4,4,-thiodianiline	139-65-1	N.D.	0.002	N.D.	N.D.	PASS
18	o-toluidine	95-53-4	N.D.	0.002	N.D.	N.D.	PASS
19	2,4-diaminotoluene	95-80-7	N.D.	0.002	N.D.	N.D.	PASS
20	2,4,5-trimethylaniline	137-17-7	N.D.	0.002	N.D.	N.D.	PASS
21	2-methoxyaniline	90-04-0	N.D.	0.002	N.D.	N.D.	PASS
22	4-aminoazobenzene	60-09-3	N.D.	0.002	N.D.	N.D.	PASS
Other primary aromatic amines (sum)			0.01	/	N.D.	N.D.	PASS
23	1.4-Phenylenediamine	106-50-3	/	0.002	N.D.	N.D.	PASS
24	1,3-Phenylenediamine	108-45-2	/	0.002	N.D.	N.D.	PASS
25	Aniline	62-53-3	/	0.002	N.D.	N.D.	PASS
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	/	0.002	N.D.	N.D.	PASS
27	2,4'-Diaminodiphenylmethane	1208-52-2	/	0.002	N.D.	N.D.	PASS
28	2,4-Dimethylaniline (2,4-DMA)	95-68-1	/	0.002	N.D.	N.D.	PASS

29	2,2'-Methylenedianiline	6582-52-1	/	0.002	N.D.	N.D.	PASS

Note:

1. mg/kg = Milligram per kilogram.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

5.4. Bisphenol A (BPA)

Test Method: With reference to EPA 3550C:2007, the analysis was performed by Ultra High Performance Liquid Chromatography coupled with tandem Mass Spectrometry (UPLC-MS-MS).

Material No.	Limit (μg/kg)	RL (μg/kg)	Test Result (μg/kg)	Conclusion
3	Not Detected	1	N.D.	PASS
4	Not Detected	1	N.D.	PASS

Note:

1. μg/kg = Microgram per kilogram.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

6.1. Overall Migration

Test Method: With reference to EN 1186-1:2002, EN 1186-3:2022

S/V ration: 1.08 dm^2 / 108 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result		
			5		
			1st	2nd	3rd
Overall Migration - 3% Acetic acid (70℃, 2 h)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (70℃, 2 h)	10	1	N.D.	N.D.	N.D.
Conclusion			PASS		

Note:

1. mg/dm^2 = Milligram per square decimeter.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

6.2. Bisphenol A (BPA)

Test Method: With reference to EPA 3550C:2007, the analysis was performed by Ultra High Performance Liquid Chromatography coupled with tandem Mass Spectrometry (UPLC-MS-MS).

Material No.	Limit (μg/kg)	RL (μg/kg)	Test Result (μg/kg)	Conclusion
5	Not Detected	1	N.D.	PASS

Note:

1. μg/kg = Microgram per kilogram.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

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7.1. Overall Migration

Test Method: With reference to the Annex III to Arrêté du 25 novembre 1992

S/V ration: 1.08 dm^2 / 108 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result		
			5		
			1st	2nd	3rd
Overall Migration - 3% Ethanol (70℃, 2h)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (70℃, 2h)	10	1	N.D.	N.D.	N.D.
Conclusion			PASS		

Note:

1. mg/dm^2 = Milligram per square decimeter.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

7.2. Volatile organic matter (VOM)

Test Method: With reference to the Annex III to Arrêté du 25 novembre 1992

Test Condition: 200℃, 4h

Material No.	Limit (%)	RL (%)	Test Result (%)	Conclusion
5	0.5	0.1	0.2	PASS

Note:

1. % = Percentage by weight.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit

7.3. Peroxide Value

Test Method: With reference to the French pharmacopeia, 9th edition

Material No.	Limit	Test Result	Conclusion
5	Negative	Negative	PASS

Note:

1. % = Percentage by weight.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

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7.4. Specific migration of organotin (As Tin)

Test Method: With reference to Kunststoffe im Lebensmittelverkehr, Part B II IX

Test Item	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)
			5
Tin	0.1	0.1	N.D.
Conclusion			PASS

Note:

1. mg/kg = Milligram per kilogram.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

7.5. Bisphenol A (BPA)

Test Method: With reference to EPA 3550C:2007, the analysis was performed by Ultra High Performance Liquid Chromatography coupled with tandem Mass Spectrometry (UPLC-MS-MS).

Material No.	Limit (μg/kg)	RL (μg/kg)	Test Result (μg/kg)	Conclusion
5	Not Detected	1	N.D.	PASS

Note:

1. mg/kg = Milligram per kilogram.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

Test Material(s) List

Material No.	Description	Location	Material
1	Black coating	Cup body	/
2	Silvery metal	Cup body	/
3	Black plastic	Cup interior	PP
4	Transparent plastic	Lid	PS
5	Translucent silicone	Sealing ring	Silicone
6	Black foam with adhesive	Bottom	/
7	Silvery metal	Screw	/

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Photo Appendix

Additional Photo Appendix

★★★★★End of Report★★★★★

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