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 : RPET bottle with PP lid

Model/Item No. : MO2990

Vendor Code : 107978

Test Period : From Dec. 15, 2025 to Jan. 19, 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.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

TEST REPORT

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

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

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+4	100	2	N.D.	PASS
5+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+4	5+6
Benzo[a]pyrene (BaP)	50-32-8	0.2	N.D.	N.D.
Benzo[e]pyrene (BeP)	192-97-2	0.2	N.D.	N.D.
Benzo[a]anthracene (BaA)	56-55-3	0.2	N.D.	N.D.
Chrysen (CHR)	218-01-9	0.2	N.D.	N.D.
Benzo[b]fluoranthene (BbFA)	205-99-2	0.2	N.D.	N.D.
Benzo[j]fluoranthene (BjFA)	205-82-3	0.2	N.D.	N.D.
Benzo[k]fluoranthene (BkFA)	207-08-9	0.2	N.D.	N.D.
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	0.2	N.D.	N.D.
Conclusion			PASS	PASS

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

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+4	5+6
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	0.003	0.1	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	0.003	0.1	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	0.003	0.1	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	0.003	0.1	N.D.	N.D.
Sum		/	0.1	N.D.	N.D.
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	0.005	0.1	N.D.	N.D.
Di-isodecyl phthalate (DIDP)	26761-40-0 68515-49-1	0.005	0.1	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	0.003	0.1	N.D.	N.D.
Sum		/	0.1	N.D.	N.D.
Conclusion				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+4	500	2	N.D.	PASS
2+3	500	2	N.D.	PASS
5+6	500	2	N.D.	PASS

Note:

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

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

TEST REPORT

5.1. Overall Migration

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

Material No. 1 : S/V ration: 1.13 dm^2 / 113 mL

Material No. 5 : S/V ration: 1.06 dm^2 / 106 mL

Material No. 6 : S/V ration: 1.24 dm^2 / 124 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result (mg/dm^2)		
			1	5	6
Overall Migration - 3% Acetic acid (40℃, 10D)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (40℃, 10D)	10	1	N.D.	N.D.	N.D.
Conclusion			PASS	PASS	PASS

Note:

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

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

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, 40℃ , 10D

Material No. 1 : S/V ration: 1.13 dm^2 / 189 mL

Material No. 5 : S/V ration: 1.06 dm^2 / 177 mL

Material No. 6 : S/V ration: 1.24 dm^2 / 207 mL

Test Item	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)		
			1	5	6
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	PASS	PASS

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

Note:

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

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

5.3. Specific migration of Primary Aromatic Amines

Test Method: With reference to EN 13130-1:2004

Test Condition: 3% acetic acid, 40℃, 10D

Material No. 1 : S/V ration: 1.13 dm^2 / 189 mL

Material No. 5 : S/V ration: 1.06 dm^2 / 177 mL

Material No. 6 : S/V ration: 1.24 dm^2 / 207 mL

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

TEST REPORT

26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	/	0.002	N.D.	N.D.	N.D.
27	2,4'-Diaminodiphenylmethane	1208-52-2	/	0.002	N.D.	N.D.	N.D.
28	2,4-Dimethylaniline (2,4-DMA)	95-68-1	/	0.002	N.D.	N.D.	N.D.
29	2,2'-Methylenedianiline	6582-52-1	/	0.002	N.D.	N.D.	N.D.
Conclusion					PASS	PASS	PASS

Note:

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

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

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
1	Not Detected	1	N.D.	PASS
5	Not Detected	1	N.D.	PASS
6	Not Detected	1	N.D.	PASS

Note:

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

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

6.1. Overall Migration

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

S/V ration: 1.14 dm^2 / 114 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result (mg/dm^2)
			4
Overall Migration - 3% Acetic acid (40℃, 10D)	10	1	N.D.
Overall Migration - 50% Ethanol (40℃, 10D)	10	1	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
4	Not Detected	1	N.D.	PASS

Note:

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

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China

Tel：+86-20-84900678 Fax：+86-20-84910993

Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

7.1. Overall Migration

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

S/V ration: 1.14 dm^2 / 114 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result (mg/dm^2)
			4
Overall Migration - 3% Acetic acid (40℃, 10D)	10	1	N.D.
Overall Migration - 50% Ethanol (40℃, 10D)	10	1	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
4	0.5	0.1	0.3	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
4	Negative	Negative	PASS

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)
			4
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
4	Not Detected	1	N.D.	PASS

Note:

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

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

TEST REPORT

Test Material(s) List

Material No.	Description	Location	Material
1	Black plastic	Cover	PP
2	Silvery metal	Spring	/
3	Silvery metal	Axis	/
4	Translucent silicone	Sealing ring	Silicone
5	Translucent plastic	Straw	PE
6	Transparent plastic	Bottle body	RPET

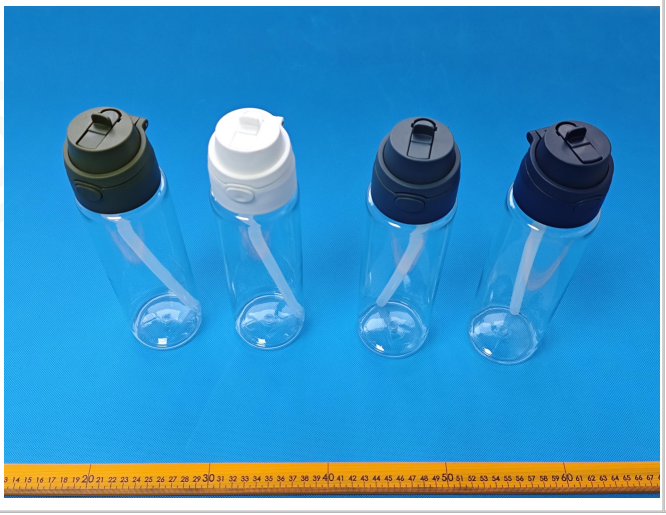
Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

TEST REPORT

Photo Appendix

Additional Photo Appendix



Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn

TEST REPORT

★★★★★End of Report★★★★★

Compliance Control Institute (Guangzhou) Co., Ltd.

Room 701, Building 2, No.89, Majun Street, Nansha District, Guangzhou, Guangdong, China
Tel：+86-20-84900678 Fax：+86-20-84910993
Email：cs@ccilab.com.cn Website：www.ccilab.com.cn