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	:	Ceramic lining tumbler
Model/Item No.	:	MO2572
Vendor Code	:	107978
Test Period	:	From Jun. 09, 2026 to Jun. 16, 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 (EU) No 1935/2004 and Technical guide on Metals and alloys used in food contact materials and articles (2nd edition), supplementing Council of Europe Resolution CM/Res (2020)9 - Specific migration of heavy metals	PASS
6	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
7	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
8	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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9	Tested material(s) of submitted sample(s)	Regulation (EC) No. 1935/2004 & Resolution AP(2004)1 on coating intended to come into contact with foodstuffs - Overall Migration - 3% acetic acid - 50% Ethanol - Specific migration of restricted substances - Specific migration of Primary Aromatic Amines - Bisphenol A (BPA)	PASS
10	Tested material(s) of submitted sample(s)	European Council Directive 84/500/EEC and its amendment Commission Directive 2005/31/EC for ceramic articles intended to come into contact with foodstuffs - Migration Lead and Cadmium	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	100	2	N.D.	PASS
2+3	100	2	N.D.	PASS
5	1000	2	N.D.	PASS
6+7+8	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	2+3	5	6+7+8
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	2+3	5	6+7+8
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+3	500	2	N.D.	PASS
4	500	2	N.D.	PASS
5	500	2	N.D.	PASS
6+7+8	500	2	N.D.	PASS
9	500	2	N.D.	PASS

Note:

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

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5. Specific migration of heavy metal

Test Method: With reference to the Chapter 3 of the Technical guide on Metals and alloys used in food contact materials and articles (2nd edition), the analysis was performed by Atomic Absorption Spectrophotometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) or Inductively Coupled Plasma Mass Spectrometer (ICP-MS).

Test Condition: 5g/L Citric acid, hot-fill, 40℃,24h, 3 times release tests

Test Item	RL (mg/kg)	Limit (mg/kg)		Test Result (mg/kg)		Conclusion
				4		
		Migration of $1^{st}+2^{nd}$	Migration of 3^{rd}	Migration of $1^{st}+2^{nd}$	Migration of 3^{rd}	
Aluminum (Al)	0.2	35	5	N.D.	N.D.	PASS
Antimony (Sb)	0.02	0.28	0.04	N.D.	N.D.	PASS
Chromium (Cr)	0.1	7	1	N.D.	N.D.	PASS
Cobalt (Co)	0.01	0.14	0.02	N.D.	N.D.	PASS
Copper (Cu)	0.2	28	4	N.D.	N.D.	PASS
Iron (Fe)	0.5	280	40	N.D.	N.D.	PASS
Magnesium (Mg)	1.0	--	--	N.D.	N.D.	PASS
Manganese (Mn)	0.2	3.85	0.55	N.D.	N.D.	PASS
Molybdenum (Mo)	0.02	0.84	0.12	N.D.	N.D.	PASS
Nickel (Ni)	0.02	0.98	0.14	N.D.	N.D.	PASS
Silver (Ag)	0.02	0.56	0.08	N.D.	N.D.	PASS
Tin (Sn)	1.0	700	100	N.D.	N.D.	PASS
Ti(Titanium)	0.01	--	--	N.D.	N.D.	PASS
Vanadium (V)	0.005	0.07	0.01	N.D.	N.D.	PASS
Zinc (Zn)	1.0	35	5	N.D.	N.D.	PASS
Zirconium (Zr)	1.0	14	2	N.D.	N.D.	PASS
Arsenic (As)	0.001	0.014	0.002	N.D.	N.D.	PASS
Barium (Ba)	0.2	8.4	1.2	N.D.	N.D.	PASS
Beryllium (Be)	0.005	0.07	0.01	N.D.	N.D.	PASS
Cadmium (Cd)	0.002	0.035	0.005	N.D.	N.D.	PASS
Lead (Pb)	0.002	0.070	0.010	N.D.	N.D.	PASS
Lithium (Li)	0.01	0.336	0.048	N.D.	N.D.	PASS
Mercury (Hg)	0.002	0.021	0.003	N.D.	N.D.	PASS
Thallium (Tl)	0.001	0.007	0.001	N.D.	N.D.	PASS

Note:

1. mg/kg = Milligram 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: 1.13 dm^2 / 113 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result		
			1		
			1st	2nd	3rd
Overall Migration - 3% Acetic acid (100℃, 1 h)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (100℃, 1 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.

TEST REPORT

6.2. 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, hot-fill , 40℃, 24h

S/V ration: 1.13 dm^2 / 189 mL

Test Item	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)		
			1		
			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.

6.3. Specific migration of Primary Aromatic Amines Test Method: With reference to EN 13130-1:2004
Test Condition: 3% acetic acid, hot-fill, 40℃ , 24h
S/V ration: 1.13 dm^2 / 189 mL

No.	Test Item	CAS No.	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)
					1
1	4-aminodiphenyl	92-67-1	N.D.	0.002	N.D.
2	Benzidine	92-87-5	N.D.	0.002	N.D.
3	4-chloro-o-toluidine	95-69-2	N.D.	0.002	N.D.
4	2-naphthylamine	91-59-8	N.D.	0.002	N.D.
5	o-aminoazotoluene	97-56-3	N.D.	0.002	N.D.
6	2-amino-4-nitrotoluene	99-55-8	N.D.	0.002	N.D.
7	p-chloroaniline	106-47-8	N.D.	0.002	N.D.
8	2,4-diaminoanisole	615-05-4	N.D.	0.002	N.D.
9	4,4,-diaminodiphenylmethane	101-77-9	N.D.	0.002	N.D.
10	3,3,-dichlorobenzidine	91-94-1	N.D.	0.002	N.D.
11	3,3,-dimethoxybenzidine	119-90-4	N.D.	0.002	N.D.
12	3,3,-dimethylbenzidine	119-93-7	N.D.	0.002	N.D.
13	3,3,-dimethyl-4,4,diaminodiphenylmethane	838-88-0	N.D.	0.002	N.D.
14	p-cresidine	120-71-8	N.D.	0.002	N.D.
15	4,4,-methylene-bis-(2-chloroaniline)	101-14-4	N.D.	0.002	N.D.
16	4,4,-oxydianiline	101-80-4	N.D.	0.002	N.D.
17	4,4,-thiodianiline	139-65-1	N.D.	0.002	N.D.
18	o-toluidine	95-53-4	N.D.	0.002	N.D.
19	2,4-diaminotoluene	95-80-7	N.D.	0.002	N.D.
20	2,4,5-trimethylaniline	137-17-7	N.D.	0.002	N.D.
21	2-methoxyaniline	90-04-0	N.D.	0.002	N.D.
22	4-aminoazobenzene	60-09-3	N.D.	0.002	N.D.
Other primary aromatic amines (sum)			0.01	/	N.D.
23	1.4-Phenylenediamine	106-50-3	/	0.002	N.D.
24	1,3-Phenylenediamine	108-45-2	/	0.002	N.D.
25	Aniline	62-53-3	/	0.002	N.D.
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	/	0.002	N.D.
27	2,4'-Diaminodiphenylmethane	1208-52-2	/	0.002	N.D.
28	2,4-Dimethylaniline (2,4-DMA)	95-68-1	/	0.002	N.D.
29	2,2'-Methylenedianiline	6582-52-1	/	0.002	N.D.

Conclusion	PASS

Note:

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

6.4. 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

Note:

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

7.1. Overall Migration

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

S/V ration: 1.02 dm2 / 102 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result		
			2		
			1st	2nd	3rd
Overall Migration - 3% Acetic acid (100℃, 1 h)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (100℃, 1 h)	10	1	N.D.	N.D.	N.D.
Conclusion			PASS		

S/V ration: 1.38 dm2 / 138 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result		
			3		
			1st	2nd	3rd
Overall Migration - 3% Acetic acid (100℃, 1 h)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (100℃, 1 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.

7.2. 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
2	Not Detected	1	N.D.	PASS
3	Not Detected	1	N.D.	PASS

Note:

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

8.1. Overall Migration

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

S/V ration: 1.02 dm^2 / 102 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result		
			2		
			1st	2nd	3rd
Overall Migration - 3% Acetic acid (100℃, 1h)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (100℃, 1h)	10	1	N.D.	N.D.	N.D.
Conclusion			PASS		

S/V ration: 1.38 dm^2 / 138 mL

Simulant Used	Limit (mg/dm^2)	RL (mg/dm^2)	Test Result		
			3		
			1st	2nd	3rd
Overall Migration - 3% Acetic acid (100℃, 1h)	10	1	N.D.	N.D.	N.D.
Overall Migration - 50% Ethanol (100℃, 1h)	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.

8.2. 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
2	0.5	0.1	0.2	PASS
3	0.5	0.1	0.2	PASS

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

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

8.3. Peroxide Value

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

Material No.	Limit	Test Result	Conclusion
2	Negative	Negative	PASS
3	Negative	Negative	PASS

8.4. 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)	
			2	3
Tin	0.1	0.1	N.D.	N.D.
Conclusion			PASS	PASS

Note:

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

8.5. 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
2	Not Detected	1	N.D.	PASS
3	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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9.1. Overall Migration

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

S/V ration: 2.48 dm^2 / 454 mL

Simulant Used	Unit	Limit	RL	Test Result		
				5		
				1st	2nd	3rd
3% Acetic acid (100℃, 1h)	mg/dm2	10	1	N.D.	N.D.	N.D.
50% Ethanol (100℃, 1h)	mg/dm2	10	1	N.D.	N.D.	N.D.
Conclusion				PASS	PASS	PASS

Note:

1. mg/dm2 = Milligram per square decimeter.
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.

9.2. 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: Artificial tap water , hot-fill, 40℃, 24h

S/V ration: 2.48 dm^2 / 454 mL

Test Item	Limit(mg/kg)	RL(mg/kg)	Test Result (mg/kg)		
			5		
			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 (ppm).
2. N.D. = Not Detected (< RL).
3. RL = Report Limit.

TEST REPORT

9.3. Specific migration of Primary Aromatic Amines Test Method: With reference to EN 13130-1:2004
Test Condition: Artificial tap water, hot-fill, 40℃, 24h
S/V ration: 2.48 dm^2 / 454 mL

No.	Test Item	CAS No.	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)
					5
1	4-aminodiphenyl	92-67-1	N.D.	0.002	N.D.
2	Benzidine	92-87-5	N.D.	0.002	N.D.
3	4-chloro-o-toluidine	95-69-2	N.D.	0.002	N.D.
4	2-naphthylamine	91-59-8	N.D.	0.002	N.D.
5	o-aminoazotoluene	97-56-3	N.D.	0.002	N.D.
6	2-amino-4-nitrotoluene	99-55-8	N.D.	0.002	N.D.
7	p-chloroaniline	106-47-8	N.D.	0.002	N.D.
8	2,4-diaminoanisole	615-05-4	N.D.	0.002	N.D.
9	4,4,-diaminodiphenylmethane	101-77-9	N.D.	0.002	N.D.
10	3,3,-dichlorobenzidine	91-94-1	N.D.	0.002	N.D.
11	3,3,-dimethoxybenzidine	119-90-4	N.D.	0.002	N.D.
12	3,3,-dimethylbenzidine	119-93-7	N.D.	0.002	N.D.
13	3,3,-dimethyl-4,4,diaminodiphenylmethane	838-88-0	N.D.	0.002	N.D.
14	p-cresidine	120-71-8	N.D.	0.002	N.D.
15	4,4,-methylene-bis-(2-chloroaniline)	101-14-4	N.D.	0.002	N.D.
16	4,4,-oxydianiline	101-80-4	N.D.	0.002	N.D.
17	4,4,-thiodianiline	139-65-1	N.D.	0.002	N.D.
18	o-toluidine	95-53-4	N.D.	0.002	N.D.
19	2,4-diaminotoluene	95-80-7	N.D.	0.002	N.D.
20	2,4,5-trimethylaniline	137-17-7	N.D.	0.002	N.D.
21	2-methoxyaniline	90-04-0	N.D.	0.002	N.D.
22	4-aminoazobenzene	60-09-3	N.D.	0.002	N.D.
Other primary aromatic amines (sum)			0.01	/	N.D.
23	1.4-Phenylenediamine	106-50-3	/	0.002	N.D.
24	1,3-Phenylenediamine	108-45-2	/	0.002	N.D.
25	Aniline	62-53-3	/	0.002	N.D.
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	/	0.002	N.D.
27	2,4'-Diaminodiphenylmethane	1208-52-2	/	0.002	N.D.
28	2,4-Dimethylaniline (2,4-DMA)	95-68-1	/	0.002	N.D.
29	2,2'-Methylenedianiline	6582-52-1	/	0.002	N.D.

Conclusion	PASS

Note:

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

9.4. 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
5	Not Detected	1	N.D.	PASS

Note:

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

10. Migration Lead and Cadmium

Test Method: With reference to 84/500/EEC & 2005/31/EC, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

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

Category 2

Test Item	Depth (mm)	Volume (ml)	Test Result (mg/L)	Conclusion
			9	
Lead (Pb)	100	454	< 0.1	PASS
Cadmium (Cd)	100	454	< 0.01	PASS

Limit:

Category		Limit	
		Lead (Pb)	Cadmium (Cd)
Category 1	Articles that cannot be filled and articles that can be filled the internal depth of which does not exceed 25mm	0.8mg/dm^2	0.07mg/dm^2
Category 2	Articles, not in categories 1 or 3, which can be filled	4.0mg/L	0.3mg/L
Category 3	Cooking ware, packaging and storage vessels having a capacity of more than three liters	1.5mg/L	0.1mg/L

TEST REPORT

Note:

1. mg/L = Milligram per liter.
2. mg/dm^2 = Milligram per square decimetre.
3. < = Less than.

Test Material(s) List

Material No.	Description	Location	Material
1	Black plastic	Cover	PP
2	Black silicone	Stopper	Silicone
3	Transparent silicone	Sealing ring	Silicone
4	Silvery metal	Inner wall	Stainless steel
5	White coating	Inner wall	Coating
6	Blue plastic	Outer wall	RPP
7	Dark blue plastic	Outer wall	RPP
8	Black plastic	Outer wall	RPP
9	White ceramic	Inner wall	Ceramic

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

★★★★★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