

**TEST REPORT**

Report No.: DPHTL2510173045E

Date: Nov 25,2025

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**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) and sample information was/were submitted and identified by client as:

**Sample Name:** RPET bottle w/ carabiner; RPET bottle**Model:** MO2803/MO2804**Vendor code :** 107978**Receiving Date:** Oct 17,2025**Test Period:** From Oct 17,2025 to Nov 20,2025**Add Information:** -**Test Summary:**

#	Test item(s)	Conclusion
1	Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013 Polycyclic-aromatic hydrocarbons (PAHs) content	<b>PASS</b>
2	Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006 Cadmium content	<b>PASS</b>
3	Item 51&52 of Annex XVII of REACH Regulation (EC) 1907/2006. Phthalate content ( DIBP、DEHP、DBP、BBP、DINP、DIDP 、DNOP)	<b>PASS</b>
4	Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006 Total Lead content	<b>PASS</b>

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

Authorized Signatory

Mark Mai  
(Technical Director)

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#	Test Item(s)	Conclusion
<b>Regulation (EC) No 1935/2004, the Commission Regulation (EU) No 10/2011 and its amendment (EU)2023/1442 and (EU) 2024/3190 - For Plastic Material</b>		
5	Overall migration	PASS
6	Specific migration of Heavy Metal	PASS
7	Specific migration of Primary Aromatic Amine	PASS
8	Bisphenol A (BPA) content	PASS
<b>Regulation (EC) No 1935/2004, the Commission Regulation (EU) 2024/3190 and Council of Europe Resolution AP (2004) 5- For Silicone Material</b>		
9	Overall migration	PASS
10	Bisphenol A Contents	PASS
11	Specific migration of Bisphenol A (BPA)	PASS
<b>French Arrêté du 25 Novembre 1992 and French Décret 2007-766 with amendments - For Silicone Material</b>		
12	Overall migration	PASS
13	Specific migration of Bisphenol A (BPA)	PASS
14	Bisphenol A Contents	PASS
15	Specific migration of Organotin (as Tin)	PASS
16	Peroxide Value	PASS
17	Volatile organic matter	PASS

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## Result:

1. Polycyclic-aromatic hydrocarbons (PAHs) content - Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013  
 AfPS-GS-2019-01:PAK, determined by GC-MS

Test Item(s)	Results					Limit (mg/kg)	MDL (mg/kg)		
	category I <sup>1</sup>								
	1	2	3	8	9				
1 Benz[a]anthracene(BaA) CAS#56-55-3	N.D.	N.D.	N.D.	N.D.	N.D.	1	0.2		
2 Chrysene(CHR) CAS#218-01-9	N.D.	N.D.	N.D.	N.D.	N.D.	1	0.2		
3 Benz[b]fluoranthene(BbFA) CAS#205-99-2	N.D.	N.D.	N.D.	N.D.	N.D.	1	0.2		
4 Benz[k]fluoranthene(BkFA) CAS#207-08-9	N.D.	N.D.	N.D.	N.D.	N.D.	1	0.2		
5 Benz[j]fluoranthene(BjFA) CAS#205-82-3	N.D.	N.D.	N.D.	N.D.	N.D.	1	0.2		
6 Benzo[a]pyrene(BaP) CAS#50-32-8	N.D.	N.D.	N.D.	N.D.	N.D.	1	0.2		
7 Benzo[e]pyrene(BeP) CAS#192-97-2	N.D.	N.D.	N.D.	N.D.	N.D.	1	0.2		
8 Dibenz [a,h]anthracene (DBahA) CAS#53-70-3	N.D.	N.D.	N.D.	N.D.	N.D.	1	0.2		
- Conclusion	PASS	PASS	PASS	PASS	PASS	-	-		

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

(b) MDL: Method detected limit

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

1: Result category

Category I: Articles come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.

Category II : Toys, including activity toys, and childcare articles, that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.

2. Cadmium content - Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006  
 IEC 62321-5:2013, determined by AAS

Test item(s)	Result					Limit (mg/kg)	MDL (mg/kg)
	1	2	3	8	9		
1 Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	1000	10
- Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

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

**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**

Test item(s)			Result					Limit (%)	MDL (%)
			1	2	3	8	9		
1	DBP	Dibutyl Phthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutyl Phthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Bis-(2-ethylhexyl)Phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.005
6	DINP	Di-iso-nonyl phthalate CAS# 28553-12-0/68515-48-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.010
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.010
-	Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
-	Sum of 5, 6 & 7		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
-	<b>Conclusion</b>		<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	-	-

Remark(s): (a) MDL: Method detected limit  
 (b) N.D.: Not detected (result is less than MDL)

**4. Total Lead content -Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006  
 IEC 62321-5:2013, determined by AAS**

Test item(s)		Result					Limit (mg/kg)	MDL (mg/kg)
		1	2	3	4	5		
1	Lead(Pb) CAS#7439-92-1	N.D.	N.D.	N.D.	N.D.	27	500	10
-	<b>Conclusion</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	-	-

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Test item(s)		Result					Limit (mg/kg)	MDL (mg/kg)
		6	7	8	9	10		
1	Lead(Pb) CAS#7439-92-1	N.D.	N.D.	N.D.	N.D.	N.D.	500	10
-	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

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

## Regulation (EC) No 1935/2004, the Commission Regulation (EU) No 10/2011 and its amendment (EU)2023/1442 and (EU) 2024/3190 - For Plastic Material

### 5. Overall migration EN 1186-1:2002 & EN 1186-3:2022

Test Item(s)		Result			Limit (mg/dm <sup>2</sup> )	MDL (mg/dm <sup>2</sup> )		
		1						
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>				
1	50%Ethanol,40°C , 10d	N.D.	N.D.	N.D.	10	3		
2	3%acetic acid ,40°C , 10d	N.D.	N.D.	N.D.	10	3		
-	Conclusion	-	-	PASS	-	-		

Test Item(s)		Result			Limit (mg/dm <sup>2</sup> )	MDL (mg/dm <sup>2</sup> )		
		3						
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>				
1	50%Ethanol,40°C , 10d	N.D.	N.D.	N.D.	10	3		
2	3%acetic acid ,40°C , 10d	N.D.	N.D.	N.D.	10	3		
-	Conclusion	-	-	PASS	-	-		

Remark(s):  
 (a) mg/dm<sup>2</sup>: milligram square decimetre  
 (b) MDL: Method detected limit  
 (c) N.D.: Not detected (result is less than MDL)

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**6. Specific migration of Heavy Metal  
EN 13130-1: 2004, determined by ICP-OES, ICP-MS, IC**

Test condition: 3%Acetic acid,40°C , 10d

Test Item(s)		Result(s)			Limit (mg/kg)	MDL (mg/kg)		
		1						
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>				
1	Aluminum (Al)	N.D.	N.D.	N.D.	1	0.1		
2	Ammonium	N.D.	N.D.	N.D.	-	0.1		
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)	0.2	0.1	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		

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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
-	<b>Conclusion</b>	-	-	<b>PASS</b>	-	-

Test Item(s)	Result(s)			Limit (mg/kg)	MDL (mg/kg)		
	3						
	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>				
1	Aluminum (Al)	N.D.	N.D.	N.D.	1	0.1	
2	Ammonium	N.D.	N.D.	N.D.	-	0.1	
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	

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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
-	<b>Conclusion</b>	-	-	<b>PASS</b>	-	-

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

(b) MDL: Method detected limit

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

(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

## 7. Specific migration of Primary Aromatic Amine EN 13130-1:2004, determined by LC-MS/MS

Test Condition: 50%Ethanol ,40°C , 10d

Test Item(s)	Result(s)			Limit (mg/kg)	MDL (mg/kg)		
	1						
	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>				
1 biphenyl-4-ylamine 4- aminobiphenyl xenylamine CAS No.:92-67-1	N.D.	N.D.	N.D.	0.002	0.002		
2 Benzidine CAS No.:92-87-5	N.D.	N.D.	N.D.	0.002	0.002		
3 4-chloro-o-toluidine CAS No.:95-69-2	N.D.	N.D.	N.D.	0.002	0.002		
4 2-Naphthylamine CAS No.:91-59-8	N.D.	N.D.	N.D.	0.002	0.002		
5 o-aminoazotoluene 4- amino-2',3- dimethylazobenzene 4-o-tolylazo-o-toluidine CAS No.:97-56-3	N.D.	N.D.	N.D.	0.002	0.002		
6 5-nitro-o-toluidine CAS No.:99-55-8	N.D.	N.D.	N.D.	0.002	0.002		
7 4-Chloroaniline CAS No.:106-47-8	N.D.	N.D.	N.D.	0.002	0.002		
8 4-methoxy-m- phenylenediamine CAS No.:615-05-4	N.D.	N.D.	N.D.	0.002	0.002		
9 4,4'-methylenedianiline 4,4'-diaminodiphenylmethane CAS No.:101-77-9	N.D.	N.D.	N.D.	0.002	0.002		

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10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine CAS No.:91-94-1	N.D.	N.D.	N.D.	0.002	0.002
11	3,3'-dimethoxybenzidine o-dianisidine CAS No.:119-90-4	N.D.	N.D.	N.D.	0.002	0.002
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine CAS No.:119-93-7	N.D.	N.D.	N.D.	0.002	0.002
13	4,4'-methylenedi-o-toluidine CAS No.:838-88-0	N.D.	N.D.	N.D.	0.002	0.002
14	6-methoxy-m-toluidine p- cresidine CAS No.:120-71-8	N.D.	N.D.	N.D.	0.002	0.002
15	4,4'-methylene-bis-(2-chloro- aniline) 2,2'-dichloro-4,4'-methylene- dianiline CAS No.:101-14-4	N.D.	N.D.	N.D.	0.002	0.002
16	4,4'-oxydianiline CAS No.:101-80-4	N.D.	N.D.	N.D.	0.002	0.002
17	4,4'-thiodianiline CAS No.:139-65-1	N.D.	N.D.	N.D.	0.002	0.002
18	o-toluidine 2-aminotoluene CAS No.:95-53-4	N.D.	N.D.	N.D.	0.002	0.002
19	4-methyl-m-phenylenediamine CAS No.:95-80-7	N.D.	N.D.	N.D.	0.002	0.002
20	2,4,5-trimethylaniline CAS No.:137-17-7	N.D.	N.D.	N.D.	0.002	0.002
21	o-anisidine 2-methoxyaniline CAS No.:90-04-0	N.D.	N.D.	N.D.	0.002	0.002
22	4-amino azobenzene CAS No.:60-09-3	N.D.	N.D.	N.D.	0.002	0.002
23	m-Phenylenediamine (m- PDA) CAS No.:108-45-2	N.D.	N.D.	N.D.	0.002	0.002
24	1,5- Diaminenaphthalene CAS No.:2243-62-01	N.D.	N.D.	N.D.	-	0.002
25	Aniline (ANL) CAS No.:62-53-3	N.D.	N.D.	N.D.	-	0.002
26	2,4-Dimethylaniline (2,4-DMA) CAS No.:95-68-1	N.D.	N.D.	N.D.	-	0.002
27	2,6-Dimethylaniline (2,6-DMA) CAS No.:87-62-7	N.D.	N.D.	N.D.	-	0.002
28	m-Phenylenediamine (m- PDA) CAS No.:108-45-2	N.D.	N.D.	N.D.	-	0.002
29	p-Phenylenediamine (p-PDA) CAS No.:106-50-3	N.D.	N.D.	N.D.	-	0.002

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30	2,6-Toluenediamine (2,6- TDA) CAS No.:823-40-5	N.D.	N.D.	N.D.	-	0.002
-	Sum of 24~30	N.D.	N.D.	N.D.	0.01	-
-	<b>Conclusion</b>	-	-	<b>PASS</b>	-	-

Test Item(s)	Result(s)			Limit (mg/kg)	MDL (mg/kg)		
	3						
	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>				
1 biphenyl-4-ylamine 4- aminobiphenyl xenylamine CAS No.:92-67-1	N.D.	N.D.	N.D.	0.002	0.002		
2 Benzidine CAS No.:92-87-5	N.D.	N.D.	N.D.	0.002	0.002		
3 4-chloro-o-toluidine CAS No.:95-69-2	N.D.	N.D.	N.D.	0.002	0.002		
4 2-Naphthylamine CAS No.:91-59-8	N.D.	N.D.	N.D.	0.002	0.002		
5 o-aminoazotoluene 4- amino-2',3'- dimethylazobenzene 4-o-tolylazo-o-toluidine CAS No.:97-56-3	N.D.	N.D.	N.D.	0.002	0.002		
6 5-nitro-o-toluidine CAS No.:99-55-8	N.D.	N.D.	N.D.	0.002	0.002		
7 4-Chloroaniline CAS No.:106-47-8	N.D.	N.D.	N.D.	0.002	0.002		
8 4-methoxy-m- phenylenediamine CAS No.:615-05-4	N.D.	N.D.	N.D.	0.002	0.002		
9 4,4'-methylenedianiline 4,4'-diaminodiphenylmethane CAS No.:101-77-9	N.D.	N.D.	N.D.	0.002	0.002		
10 3,3'-dichlorobenzidine 3,3'- dichlorobiphenyl-4,4'- ylenediamine CAS No.:91-94-1	N.D.	N.D.	N.D.	0.002	0.002		
11 3,3'-dimethoxybenzidine o- dianisidine CAS No.:119-90-4	N.D.	N.D.	N.D.	0.002	0.002		
12 3,3'-dimethylbenzidine 4,4'-bi-o-toluidine CAS No.:119-93-7	N.D.	N.D.	N.D.	0.002	0.002		
13 4,4'-methylenedi-o-toluidine CAS No.:838-88-0	N.D.	N.D.	N.D.	0.002	0.002		
14 6-methoxy-m-toluidine p- cresidine CAS No.:120-71-8	N.D.	N.D.	N.D.	0.002	0.002		

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15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline CAS No.:101-14-4	N.D.	N.D.	N.D.	0.002	0.002
16	4,4'-oxydianiline CAS No.:101-80-4	N.D.	N.D.	N.D.	0.002	0.002
17	4,4'-thiodianiline CAS No.:139-65-1	N.D.	N.D.	N.D.	0.002	0.002
18	o-toluidine 2-aminotoluene CAS No.:95-53-4	N.D.	N.D.	N.D.	0.002	0.002
19	4-methyl-m-phenylenediamine CAS No.:95-80-7	N.D.	N.D.	N.D.	0.002	0.002
20	2,4,5-trimethylaniline CAS No.:137-17-7	N.D.	N.D.	N.D.	0.002	0.002
21	o-anisidine 2-methoxyaniline CAS No.:90-04-0	N.D.	N.D.	N.D.	0.002	0.002
22	4-amino azobenzene CAS No.:60-09-3	N.D.	N.D.	N.D.	0.002	0.002
23	m-Phenylenediamine (m-PDA) CAS No.:108-45-2	N.D.	N.D.	N.D.	0.002	0.002
24	1,5-Diaminenaphthalene CAS No.:2243-62-01	N.D.	N.D.	N.D.	-	0.002
25	Aniline (ANL) CAS No.:62-53-3	N.D.	N.D.	N.D.	-	0.002
26	2,4-Dimethylaniline (2,4-DMA) CAS No.:95-68-1	N.D.	N.D.	N.D.	-	0.002
27	2,6-Dimethylaniline (2,6-DMA) CAS No.:87-62-7	N.D.	N.D.	N.D.	-	0.002
28	m-Phenylenediamine (m-PDA) CAS No.:108-45-2	N.D.	N.D.	N.D.	-	0.002
29	p-Phenylenediamine (p-PDA) CAS No.:106-50-3	N.D.	N.D.	N.D.	-	0.002
30	2,6-Toluenediamine (2,6-TDA) CAS No.:823-40-5	N.D.	N.D.	N.D.	-	0.002
-	Sum of 24~30	N.D.	N.D.	N.D.	0.01	-
-	<b>Conclusion</b>	-	-	<b>PASS</b>	-	-

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

(b) MDL: Method detected limit

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

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**8. Bisphenol A Contents**

In-house Method, determined by LC-MS/MS

Test Item		Result		Limit (mg/kg)	MDL (mg/kg)
		1	3		
1	Bisphenol A	N.D.	N.D.	Prohibit	0.001
-	<b>Conclusion</b>	<b>PASS</b>	<b>PASS</b>	-	-

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

**Regulation (EC) No 1935/2004 ,the Commission Regulation (EU) 2024/3190 and Council of Europe Resolution AP (2004) 5- For Silicone Material**

**9. Overall Migration**

EN 1186-1:2002 &amp; EN 1186-3:2022

Test Item		Result	Limit (mg/dm <sup>2</sup> )	MDL (mg/dm <sup>2</sup> )
		2 <sup>-3</sup> rd		
1	3% Acetic acid, 40°C , 10d	N.D.	10	3
2	50% Ethanol, 40°C , 10d	N.D.	10	3
-	<b>Conclusion</b>	<b>PASS</b>	-	-

Remark(s): (a) mg/dm<sup>2</sup>: milligram square decimetre  
 (b) MDL: Method detected limit  
 (c) N.D.: Not detected (result is less than MDL)

**10. Bisphenol A Contents**

In-house Method, determined by LC-MS/MS

Test Item		Result	Limit (mg/kg)	MDL (mg/kg)
		2		
1	Bisphenol A	N.D.	Prohibit	0.001
-	<b>Conclusion</b>	<b>PASS</b>	-	-

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

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## 11. Specific migration of Bisphenol A DD CEN/TS 13130-13:2005, determined by LC-MS-MS

Test Condition: 50% Ethanol, 40°C , 10d

Test Item		Result	Limit (mg/kg)	MDL (mg/kg)
		2 <sup>-3rd</sup>		
1	Bisphenol A (BPA)	N.D.	Prohibit	0.01
-	<b>Conclusion</b>	<b>PASS</b>	-	-

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

French Arrêté du 25 Novembre 1992 and French Décret 2007-766 with amendments - For Silicone Material

## 12. Overall Migration for Silicone Materials in Contact with Foodstuffs EN 1186-1:2002 & EN 1186-3:2022

Test Item(s)		Result	Limit (mg/dm <sup>2</sup> )	MDL (mg/dm <sup>2</sup> )
		2 <sup>-3rd</sup>		
1	50%Ethanol, 40°C , 10d	N.D.	10	3
2	3%acetic acid , 40°C , 10d	N.D.	10	3
-	<b>Conclusion</b>	<b>PASS</b>	-	-

Remark(s): (a) mg/dm<sup>2</sup>: milligram square decimetre  
(b) MDL: Method detected limit  
(c) N.D.: Not detected (result is less than MDL)

## 13. Specific migration of Bisphenol A DD CEN/TS 13130-13:2005, determined by LC-MS-MS

Test Condition: 50% Ethanol, 40°C , 10d

Test Item(s)		Result	Limit (mg/kg)	MDL (mg/kg)
		2 <sup>-3rd</sup>		
1	Bisphenol A (BPA)	N.D.	Prohibit	0.01
-	<b>Conclusion</b>	<b>PASS</b>	-	-

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

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**14. Bisphenol A (BPA) content**

In-house Method,determined by LC-MS-MS

Test Item(s)		Result	Client's Limit (mg/kg)	MDL (mg/kg)
		2		
1	Bisphenol A	N.D.	Prohibit	0.001
-	<b>Conclusion</b>	<b>PASS</b>	-	-

Remark(s): (a) MDL: Method detected limit

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

**15. Specific migration of Organotin(as Tin)**

EN 13130-1:2004, determined by ICP-OES

Test condition: 3% Acetic acid, 40°C , 10d

Test Item(s)		Result	Limit (mg/kg)	MDL (mg/kg)
		2 <sup>-3rd</sup>		
1	Organotin(as Sn)	N.D.	0.1	0.01
-	<b>Conclusion</b>	<b>PASS</b>	-	-

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

(b) MDL: Method detected limit

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

**16. Peroxide Value**

Europe pharmacopoeia,9.0 chapter 2.5.5.

Test Item(s)		Result	Requirement
		2	
1	Peroxide Value	Negative	Negative
-	<b>Conclusion</b>	<b>PASS</b>	-

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**17. Volatile organic matter**  
**French Arrêté du Novembre 1992 Annex III.**

Test condition: 200°C, 4h

Test Item(s)		Result	Limit (%)	MDL (%)
		2		
1	Volatile Compounds	0.16	0.5	0.1
-	Conclusion	PASS	-	-

Remark(s): (a) MDL: Method detected limit

**Material List:**

Material #	Sample Description / Position	Client's Material Statement
1	Black plastic,lid	PP
2	Translucent silicone,seal ring	Silicone
3	Transparent gray plastic,bottle	RPET
4	Silvery metal,carabiner	-
5	Silvery metal,lock	-
6	Silvery metal,rivet	-
7	Silvery metal,ring	-
8	Transparent red plastic,bottle	-
9	Transparent blue plastic,bottle	-
10	Golden metal,sharp plate	-

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

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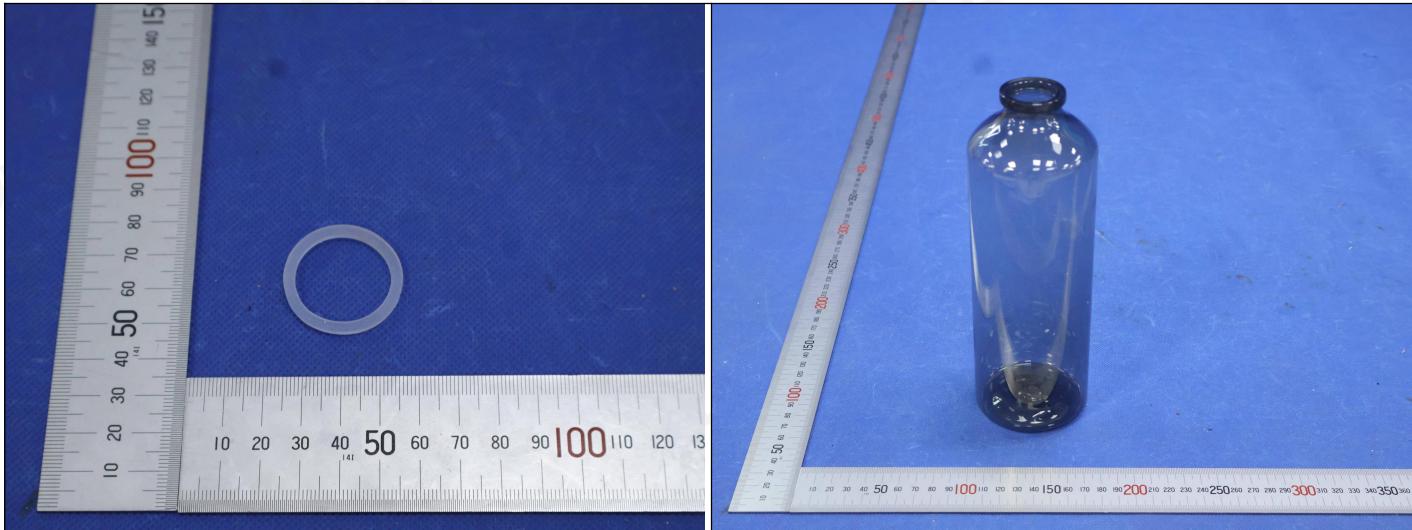
**Photo(s):**

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Test Sample Photo



Product Photo, For reference only

&lt;&lt;&lt; &lt;&lt;&lt; END OF REPORT &gt;&gt;&gt; &gt;&gt;&gt;

## 声明 Statement

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