

# TEST REPORT

Report No.: DPHTL2509013063E

Date: Sep 19,2025

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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:** Glass bottle  
**Model:** MO9358  
**Vendor code :** 107978  
**Receiving Date:** Sep 1,2025  
**Test Period:** From Sep 1,2025 to Sep 8,2025  
**Add Information:** -

## Test Summary:

#	Test item(s)	Result
1	Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013 Polycyclic-aromatic hydrocarbons (PAHs) content	PASS
2	Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006 Cadmium content	PASS
3	Item 51&52 of Annex XVII of REACH Regulation (EC) 1907/2006. Phthalate content ( DIBP、DEHP、DBP、BBP、DINP、DIDP、DNOP)	PASS
4	Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006 Total Lead content	PASS
5	Dishwasher safe test (complied with the specification of dishwasher safe test according to PAS 54:2003)-BS EN 12875-1:2005	PASS
6	Azo colorants content - Item 43 of Annex XVII of the REACH Regulation (EC) No 1907/2006 & amendment (EC) No 552/2009 and (EU) No 126/2013	PASS
7	Colour Fastness to Rubbing-Client's requirement	PASS

\*\*\*\*\*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>		
8	Overall migration	PASS
9	Specific migration of Heavy Metal	PASS
10	Specific migration of Primary Aromatic Amine	PASS
11	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>		
12	Overall migration	PASS
13	Bisphenol A Contents	PASS
14	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>		
15	Overall migration	PASS
16	Specific migration of Bisphenol A (BPA)	PASS
17	Bisphenol A Contents	PASS
18	Specific migration of Organotin (as Tin)	PASS
19	Peroxide Value	PASS
20	Volatile organic matter	PASS
<b>Regulation (EC) No 1935/2004, the Council of Europe Directive 84/500/EEC and its amendment 2005/31/EC - For Glass Material</b>		
21	Extractable Lead, Cadmium	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 *1				
		2	3	7		
1	Benz[a]anthracene(BaA) CAS#56-55-3	N.D.	N.D.	N.D.	1	0.2
2	Chrysene(CHR) CAS#218-01-9	N.D.	N.D.	N.D.	1	0.2
3	Benz[b]fluoranthene(BbFA) CAS#205-99-2	N.D.	N.D.	N.D.	1	0.2
4	Benz[k]fluoranthene(BkFA) CAS#207-08-9	N.D.	N.D.	N.D.	1	0.2
5	Benz[j]fluoranthene(BjFA) CAS#205-82-3	N.D.	N.D.	N.D.	1	0.2
6	Benzo[a]pyrene(BaP) CAS#50-32-8	N.D.	N.D.	N.D.	1	0.2
7	Benzo[e]pyrene(BeP) CAS#192-97-2	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.	1	0.2
-	Conclusion	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.

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## 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)
		2	3	4	7	8	11		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	10
-	Conclusion	PASS	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)

## 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 (%)
			2	3	4	7	11		
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	-
-	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

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

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## 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	5	6	7	8		
1	Lead(Pb) CAS#7439-92-1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500	10
-	Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-	-

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

## 5. Dishwasher safe test (complied with the specification of dishwasher safe test according to PAS 54:2003) BS EN 12875-1:2005

After 10 cycles	Sample	12A	12B	12C
	Color <sup>1)</sup>	0	0	0
	Gloss	0	0	0
	Clouding	0	0	0
	Resistant deposits and iridescent layers <sup>2)</sup>	0	0	0
	Other aspects	0	0	0

Remark(s): 1).If several colours are present on one article to be inspected, the colour with the greatest change shall be chosen.  
2).For the elimination of easily removable deposits.  
3).See photo bar for test photos

Note: Pictures are for reference only. Actual colours of the pictures may vary due to lighting and output process.  
Evaluation of inspection criteria quoted from BS EN 12875-1:2005.

Classification	Rating
0	No visible change
1	First discernible change
2	Clearly visible change

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Requirements quoted from Publicly Available Specification PAS 54: 2003

Articles that are designated "dishwasher resistant", "dishwasher proof", "dishwasher safe" or any other similar description that suggests that the articles can be safely cleaned in a dishwasher shall, either show no visible change compared with untreated tableware (Classification 0) or show very slightly visible change (Classification 1) but shall not show clearly visible change (Classification 2)

**6. Azo colourants content - Item 43 of Annex XVII of REACH Regulation (EC) No 1907/2006 & amendment EC No 552/2009 and (EU) No 126/2013**  
**ISO 14362-1:2017 & ISO 14362-3:2017, determined by GC-MS and HPLC**

Test Item(s)		Results				Limit (mg/kg)	MDL (mg/kg)
		5	6	9	10		
1	Biphenyl-4-ylamine/4-aminobiphenyl/Xenylamine CAS#92-67-1	N.D.	N.D.	N.D.	N.D.	30	5
2	Benzidine CAS#92-87-5	N.D.	N.D.	N.D.	N.D.	30	5
3	4-chloro-o-toluidine CAS#95-69-2	N.D.	N.D.	N.D.	N.D.	30	5
4	2-Naphthylamine CAS#91-59-8	N.D.	N.D.	N.D.	N.D.	30	5
5	o-aminoazotoluene/4-o-tolylazao-o-toluidine /4-amino-2',3'-dimethylazobenzene CAS#97-56-3	N.D.	N.D.	N.D.	N.D.	30	5
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol CAS#99-55-8	N.D.	N.D.	N.D.	N.D.	30	5
7	4-chloroaniline CAS#106-47-8	N.D.	N.D.	N.D.	N.D.	30	5
8	4-methoxy-m-phenylenediamine/2,4-diaminoanisole CAS#615-05-4	N.D.	N.D.	N.D.	N.D.	30	5
9	4,4'-methylenedianiline/4,4'-diaminodiphenylmethane CAS#101-77-9	N.D.	N.D.	N.D.	N.D.	30	5
10	3,3'-dichlorobenzidine/3,3'-dichlorobiphenyl-4,4'-ylenediamine CAS#91-94-1	N.D.	N.D.	N.D.	N.D.	30	5
11	3,3'-dimethoxybenzidine/o-dianisidine CAS#119-90-4	N.D.	N.D.	N.D.	N.D.	30	5
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine CAS#119-93-7	N.D.	N.D.	N.D.	N.D.	30	5
13	4,4'-methylenedi-o-toluidine CAS#838-88-0	N.D.	N.D.	N.D.	N.D.	30	5
14	6-methoxy-m-toluidine/p-cresidine CAS#120-71-8	N.D.	N.D.	N.D.	N.D.	30	5



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15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline CAS#101-14-4	N.D.	N.D.	N.D.	N.D.	30	5
16	4,4'-oxydianiline CAS#101-80-4	N.D.	N.D.	N.D.	N.D.	30	5
17	4,4'-thiodianiline CAS#139-65-1	N.D.	N.D.	N.D.	N.D.	30	5
18	o-toluidine/2-aminotoluen CAS#95-53-4	N.D.	N.D.	N.D.	N.D.	30	5
19	2,4-diaminotoluene/2,4- toluylendiamine/ methyl-m-phenylenediamine CAS#95-80-7	N.D.	N.D.	N.D.	N.D.	30	5
20	2,4,5-trimethylaniline CAS#137-17-7	N.D.	N.D.	N.D.	N.D.	30	5
21	o-anisidine/2-methoxyaniline CAS#90-04-0	N.D.	N.D.	N.D.	N.D.	30	5
22	4-aminoazobenzene** CAS#60-09-3	N.D.	N.D.	N.D.	N.D.	30	5
-	<b>Conclusion</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)

(c) mg/kg: milligram per kilogram

\*: The amines o-aminoazotoluene (No 5, CAS No.97-56-3) and 2-amino-4-nitrotoluene (No 6, CAS No.99-55-8) are further reduced to o-toluidine (No 18, CAS No. 95-53-4) and 2, 4-diaminotoluene (No 19, CAS No. 95-80-7).

\*\*: Azo colorants that are able to form 4-aminoazobenzene (No 22, CAS No. 60-09-3) generate, under the condition of this method, aniline (CAS No. 62-53-3) and 1, 4-phenylenediamine (CAS No. 106-50-3). Due to detection limits, only aniline may be detected. If aniline is detected above 5mg/kg, then the presence of these colorants should be tested by ISO 14362-3:2017.

## 7. Colour Fastness to Rubbing

**PASS**

ISO 105-X12:2016, (Minimum requirement(Grade): Dry $\geq$ 2-3, Wet $\geq$ 2-3)

Sample	Result (Grade)	
	Dry	Wet
6	4-5	4-5
9	4-5	4-5
10	4-5	3-4

Remark(s): Grey Scale Rating is based on the 5-step of 1 to 5, where 1 is bad and 5 is good.

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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

## 8. 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> )
		2				
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>		
1	3%acetic acid ,70℃ , 2h	N.D.	N.D.	N.D.	10	3
2	50%Ethanol,70℃ , 2h	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)

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

Test condition: 3%Acetic acid, 70℃, 2h

Test Item(s)		Result(s)			Limit (mg/kg)	MDL (mg/kg)
		2				
		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



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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
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

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

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

Test Item(s)		Result(s)			Limit (mg/kg)	MDL (mg/kg)
		2				
		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

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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
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

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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)

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

## 12. Overall Migration EN 1186-1:2002 & EN 1186-3:2022

Test Item		Result	Limit (mg/dm <sup>2</sup> )	MDL (mg/dm <sup>2</sup> )
		3 <sup>-3rd</sup>		
1	3% Acetic acid, 70°C, 2h	N.D.	10	3
2	50% Ethanol, 70°C, 2h	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. Bisphenol A Contents In-house Method, determined by LC-MS/MS

Test Item		Result	Limit (mg/kg)	MDL (mg/kg)
		3		
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)

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

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

Test Item		Result	Limit (mg/kg)	MDL (mg/kg)
		3 <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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French Arrêté du 25 Novembre 1992 and French Décret 2007-766 with amendments - For Silicone Material

## 15. 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> )
		3 <sup>-3rd</sup>		
1	50%Ethanol, 70°C , 2h	N.D.	10	3
2	3%acetic acid , 70°C , 2h	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)

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

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

Test Item(s)		Result	Limit (mg/kg)	MDL (mg/kg)
		3 <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)

## 17. Bisphenol A (BPA) content In-house Method,determined by LC-MS/MS

Test Item(s)		Result	Client's Limit (mg/kg)	MDL (mg/kg)
		3		
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)

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## 18 Specific migration of Organotin(as Tin) EN 13130-1:2004, determined by ICP-OES

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

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

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

## 19. Peroxide Value Europe pharmacopoeia,9.0 chapter 2.5.5.

Test Item(s)		Result	Requirement
		3	
1	Peroxide Value	Negative	Negative
-	Conclusion	PASS	-

## 20. Volatile organic matter French Arrêté du Novembre 1992 Annex III.

Test condition: 200°C, 4h

Test Item(s)		Result	Limit (%)	MDL (%)
		3		
1	Volatile Compounds	0.20	0.5	0.1
-	Conclusion	PASS	-	-

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

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**Regulation (EC) No 1935/2004, the Council of Europe Directive 84/500/EEC and its amendment 2005/31/EC - For Glass Material**

**21. Extractable Lead, Cadmium**  
84/500/EEC&2005/31/EC, determined by AAS

Test Condition: 4% Acetic acid, 22°C, 24h

Test Item(s)		Result(s)	Limit (mg/L)	MDL (mg/L)
		8		
1	Lead (Pb)	N.D.	4	0.1
2	Cadmium (Cd)	N.D.	0.3	0.01
-	<b>Conclusion</b>	<b>PASS</b>	-	-

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

**Material List:**

Material #	Sample Description / Position	Client's Material Statement
1	Silvery metal,lid	-
2	Grey plastic,lid	PP
3	Translucent silicone,sealing ring	Silicone
4	Transparent plastic,core	-
5	Grey textile,string	-
6	Light grey textile,belt	-
7	Black plastic,holder	-
8	Transparent glass,bottle	Glass
9	Grey fabric,binding	-
10	Black fabric,bottle sleeve	-
11	Black foam,bottle sleeve	-



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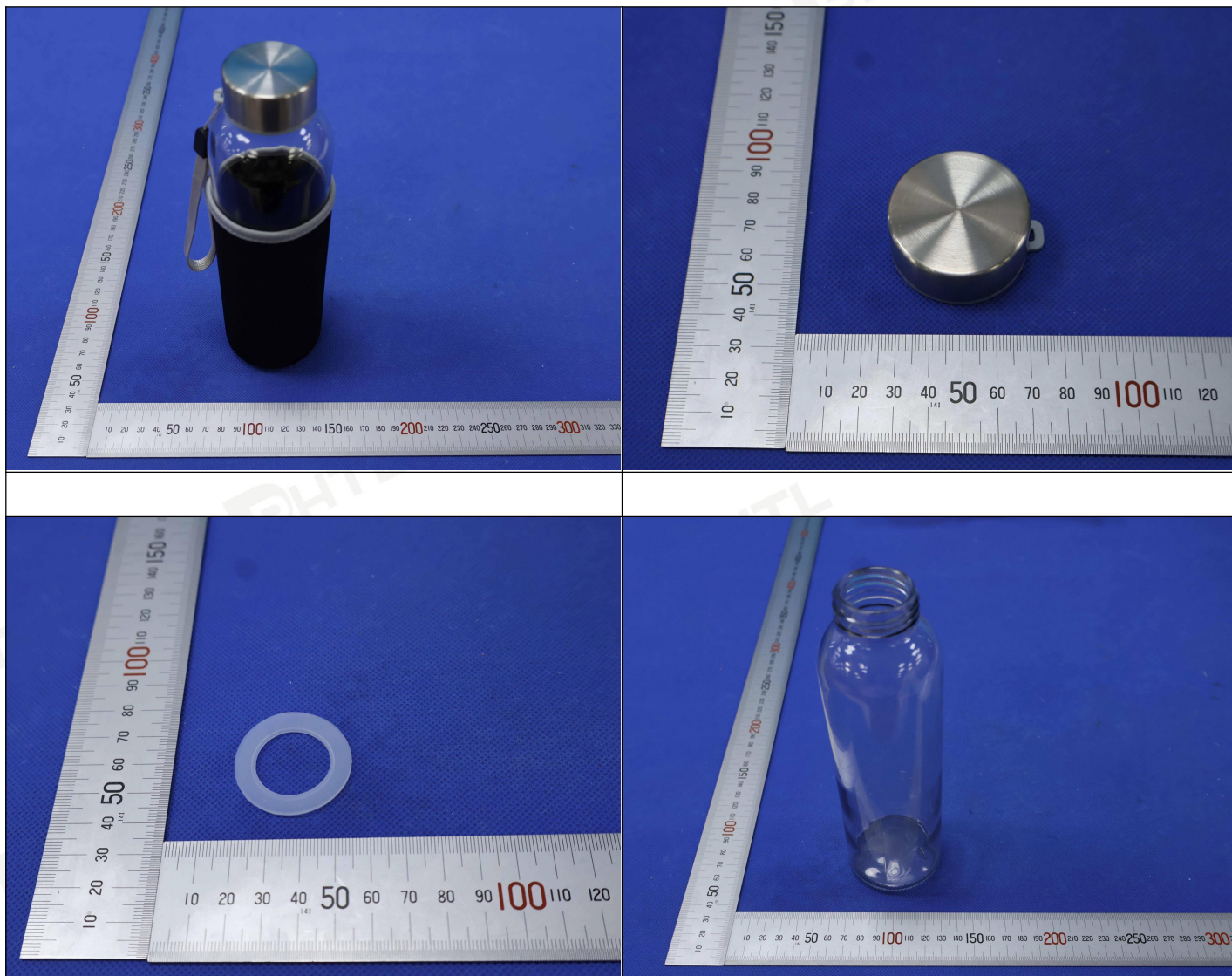
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12	Article	-
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Remark(s): The test material point is selected by client,the chemical test conclusions in the report only apply to the test material.

## Photo(s):



Test Sample Photo

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Product Photo, For reference only

<<< <<< END OF REPORT >>> >>>

# 声明

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