



TEST REPORT

Report No.: STSGZ2411053036E-V5

Date: 3-Nov-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 sports bottle with safety lock and strap1000ml

Model/Style/Item #: MO2489

Vendor Code: 107978

Receiving Date: 5-Nov-2024;18-Nov-2024;19-Aug-2025;8-Sep-2025;27-Sep-2025

Test Period: From 5-Nov-2024 to 30-Sep-2025

Add Information: This report replaces the original report STSGZ2411053036E-V4 and the original report is invalid.

Test Summary:

#	Test Item(s)	Reference Standard/Method	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	PASS
2	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	PASS
3	Total Lead content - Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013, determined by AAS	PASS
4	Cadmium content - Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013, determined by AAS	PASS
5	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	ISO 14362-1:2017 & ISO 14362-3:2017, determined by GC/MS and HPLC	PASS
6	Colour Fastness to Rubbing-Client's requirement	ISO 105-X12:2016	PASS

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

Signed for and on behalf of STS

Tim Qi
(Technical Director)



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#	Test Item(s)	Reference Standard/Method	Result
Regulation (EC) No 1935/2004 and Council of Europe Resolution AP (2004) 5- For Silicone Material			
7	Overall migration	EN 1186-1:2002 & EN 1186-3:2022	PASS
8	Bisphenol A Contents	In-house Method, determined by LC-MS-MS	PASS
9	Specific migration of Bisphenol A (BPA)	DD CEN/TS 13130-13:2005, determined by LC-MS-MS	PASS
French Arrêté du 25 Novembre 1992 and French Décret 2007-766 with amendments - For Silicone Material			
10	Overall migration	EN 1186-1:2002 & EN 1186-3:2022	PASS
11	Peroxide Value	Europe pharmacopoeia,9.0 chapter 2.5.5.	PASS
12	Specific migration of Organotin (as Tin)	EN 13130-1: 2004, determined by ICP-OES	PASS
13	Volatile organic matter	French Arrêté du Novembre 1992 Annex III.	PASS
14	Bisphenol A Contents	In-house Method, determined by LC-MS-MS	PASS
15	Specific migration of Bisphenol A (BPA)	DD CEN/TS 13130-13:2005, determined by LC-MS-MS	PASS
Regulation (EC) No 1935/2004, the Commission Regulation (EU) No 10/2011 and its amendment (EU)2023/1442 and (EU) 2018/213 - For Plastic Material			
16	Overall migration	EN 1186-1:2002 & EN 1186-3:2022	PASS
17	Specific migration of Heavy Metal	EN 13130-1: 2004, determined by ICP-OES	PASS
18	Specific migration of Primary Aromatic Amine	EN 13130-1:2004, determined by LC-MS-MS	PASS
19	Bisphenol A (BPA) content	In-house Method, determined by LC-MS-MS	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

Compound		Material					Limit (mg/kg)	RL (mg/kg)
		category I ^{*1}						
		2	3	4	5	6		
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	-	-

Compound		Material					Limit (mg/kg)	RL (mg/kg)
		category I ¹						
		7	8	9	10	11		
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

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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	-	-

Compound		Material					Limit (mg/kg)	RL (mg/kg)
		category I ¹						
		12	13	16	17	18		
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 (DBaH) CAS#53-70-3	N.D.	N.D.	N.D.	N.D.	N.D.	1	0.2
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Compound		Material					Limit (mg/kg)	RL (mg/kg)
		category I ^{*1}						
		20	21	22	23	24		
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

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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	-	-

Compound		Material					Limit (mg/kg)	RL (mg/kg)
		category I ¹						
		25	27	28	29	30		
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	-	-

Compound		Material		Limit (mg/kg)	RL (mg/kg)
		category I ^{*1}			
		32	33		
1	Benz[a]anthracene(BaA) CAS#56-55-3	N.D.	N.D.	1	0.2
2	Chrysene(CHR) CAS#218-01-9	N.D.	N.D.	1	0.2
3	Benz[b]fluoranthene(BbFA) CAS#205-99-2	N.D.	N.D.	1	0.2

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4	Benz[k]fluoranthene(BkFA) CAS#207-08-9	N.D.	N.D.	1	0.2
5	Benz[j]fluoranthene(BjFA) CAS#205-82-3	N.D.	N.D.	1	0.2
6	Benzo[a]pyrene(BaP) CAS#50-32-8	N.D.	N.D.	1	0.2
7	Benzo[e]pyrene(BeP) CAS#192-97-2	N.D.	N.D.	1	0.2
8	Dibenz [a,h]anthracene (DBahA) CAS#53-70-3	N.D.	N.D.	1	0.2
Conclusion		PASS	PASS	-	-

Remark: (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(d) Materials #9 and #10 are the test results of the resubmitted sample
1: Material 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. 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

Compound			Material					Limit (%)	RL (%)
			2	3	4	5	6		
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.	-	0.01
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.01
8	Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
9	Sum of 5, 6 & 7		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

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Compound			Material					Limit (%)	RL (%)
			7	8	9	10	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.	-	0.01
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.01
8	Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
9	Sum of 5, 6 & 7		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

Compound			Material					Limit (%)	RL (%)
			12	13	16	17	18		
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.	-	0.01
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.01
8	Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
9	Sum of 5, 6 & 7		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

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Compound			Material					Limit (%)	RL (%)
			20	21	22	23	24		
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.	-	0.01
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.01
8	Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
9	Sum of 5, 6 & 7		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

Compound			Material					Limit (%)	RL (%)
			25	27	28	29	30		
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.	-	0.01
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.01
8	Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
9	Sum of 5, 6 & 7		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

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Compound			Material		Limit (%)	RL (%)
			32	33		
1	DBP	Dibutyl Phthalate CAS# 84-74-2	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutyl Phthalate CAS# 85-68-7	N.D.	N.D.	0.1	0.005
3	DEHP	Bis-(2-ethylhexyl)Phthalate CAS# 117-81-7	N.D.	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	0.1	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	-	0.005
6	DINP	Di-iso-nonyl phthalate CAS# 28553-12-0/ 68515-48-0	N.D.	N.D.	-	0.01
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	-	0.01
8	Sum of 1, 2, 3 & 4		N.D.	N.D.	0.1	-
9	Sum of 5, 6 & 7		N.D.	N.D.	0.1	-
	Conclusion		PASS	PASS	-	-

Remark(s): (a) RL: Report limit
(b) N.D.: Not detected (result is less than RL)
(c) Materials #9 and #10 are the test results of the resubmitted sample

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

Compound		Material					Limit (mg/kg)	RL (mg/kg)
		1	2	3	4	5		
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	-	-

Compound		Material					Limit (mg/kg)	RL (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	-	-

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Compound		Material					Limit (mg/kg)	RL (mg/kg)
		11	12	13	14	15		
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	-	-

Compound		Material					Limit (mg/kg)	RL (mg/kg)
		16	17	18	19	20		
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	-	-

Compound		Material					Limit (mg/kg)	RL (mg/kg)
		21	22	23	24	25		
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	-	-

Compound		Material					Limit (mg/kg)	RL (mg/kg)
		26	27	28	29	30		
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	-	-

Compound		Material			Limit (mg/kg)	RL (mg/kg)
		31	32	33		
1	Lead(Pb) CAS#7439-92-1	N.D.	N.D.	N.D.	500	10
	Conclusion	PASS	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(d) Materials #9 and #10 are the test results of the resubmitted sample

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

Compound		Result(s)						Limit (mg/kg)	RL (mg/kg)
		3	4	16	17	23	24		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	-	-

Compound		Result(s)	Limit (mg/kg)	RL (mg/kg)
		30		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	1000	10
	Conclusion	PASS	-	-

Compound		Result(s)					Limit (mg/kg)	RL (mg/kg)
		2	5	6	7	8		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	100	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Compound		Result(s)					Limit (mg/kg)	RL (mg/kg)
		9	10	11	12	13		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	100	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Compound		Result(s)					Limit (mg/kg)	RL (mg/kg)
		18	20	21	22	25		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	100	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

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Compound		Result(s)					Limit (mg/kg)	RL (mg/kg)
		27	28	29	32	33		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	100	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(d) Materials #9 and #10 are the test results of the resubmitted sample

5. 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

Compound		Material				Limit (mg/kg)	RL (mg/kg)
		1	19	26	31		
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-tolyazao-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

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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
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
Conclusion		PASS	PASS	PASS	PASS	-	-

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

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

(c) RL: Report limit

*: 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.

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6. 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
1	4	4-5
19	4-5	4-5
26	4-5	4-5
31	4-5	4-5

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

Regulation (EC) No 1935/2004 and Council of Europe Resolution AP (2004) 5 - For Silicone Material

7. Overall Migration

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

Test specification		Result(s)		Limit (mg/dm ²)	RL (mg/dm ²)
		9 ^{-3rd}	10 ^{-3rd}		
1	3% Acetic acid, 70°C, 2h	N.D.	N.D.	10	3
2	50% Ethanol, 70°C, 2h	N.D.	N.D.	10	3
Conclusion		PASS	PASS	-	-

Remark(s): (a) mg/dm²: milligram square decimetre
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(d) Materials #9 and #10 are the test results of the resubmitted sample

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

Test Item		Material		Client's Limit (mg/kg)	RL (mg/kg)
		9	10		
1	Bisphenol A	N.D.	N.D.	Not Detected	0.01
	Conclusion	PASS	PASS	-	-

Remark(s): (a) RL: Report limit
(b) N.D.: Not detected (result is less than RL)
(c) Materials #9 and #10 are the test results of the resubmitted sample

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

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

Compound		Material		Limit (mg/kg)	RL (mg/kg)
		9 ^{-3rd}	10 ^{-3rd}		
1	Bisphenol A (BPA)	N.D.	N.D.	0.05	0.01
	Conclusion	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(d) Materials #9 and #10 are the test results of the resubmitted sample

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

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

Test specification		Result(s)		Limit (mg/dm ²)	RL (mg/dm ²)
		9 ^{-3rd}	10 ^{-3rd}		
1	3% Acetic acid, 70°C, 2h	N.D.	N.D.	10	3
2	50% Ethanol, 70°C, 2h	N.D.	N.D.	10	3
	Conclusion	PASS	PASS	-	-

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Remark(s): (a) mg/dm²: milligram square decimetre
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(d) Materials #9 and #10 are the test results of the resubmitted sample

11. Peroxide Value Europe pharmacopoeia,9.0 chapter 2.5.5.

Compound		Material		Requirement
		9	10	
1	Peroxide Value	Negative	Negative	Negative
	Conclusion	PASS	PASS	-

Remark(s): (a) Materials #9 and #10 are the test results of the resubmitted sample

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

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

Compound		Material		Limit (mg/kg)	RL (mg/kg)
		9 ^{-3rd}	10 ^{-3rd}		
1	Organotin(as Sn)	N.D.	N.D.	0.1	0.01
	Conclusion	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(d) Materials #9 and #10 are the test results of the resubmitted sample

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13. Volatile organic matter French Arrêté du Novembre 1992 Annex III.

Test condition: 200°C, 4h

Compound		Material		Limit (%)	RL (%)
		9	10		
1	Volatile Compounds	0.20	0.13	0.5	0.1
	Conclusion	PASS	PASS	-	-

Remark(s): (a) RL: Report limit
(b) Materials #9 and #10 are the test results of the resubmitted sample

14. Bisphenol A Contents In-house Method, determined by LC-MS-MS

Compound		Material		Limit (mg/kg)	RL (mg/kg)
		9	10		
1	Bisphenol A	N.D.	N.D.	Prohibit	0.1
	Conclusion	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(d) Materials #9 and #10 are the test results of the resubmitted sample

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

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

Compound		Material		Limit (mg/kg)	RL (mg/kg)
		9-3rd	10-3rd		
1	Bisphenol A (BPA)	N.D.	N.D.	Prohibit	0.01
	Conclusion	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(d) Materials #9 and #10 are the test results of the resubmitted sample

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Regulation (EC) No 1935/2004, the Commission Regulation (EU) No 10/2011 and its amendment (EU)2023/1442 and (EU) 2018/213

16. Overall migration

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

Test specification		Result(s)			Limit (mg/dm ²)	RL (mg/dm ²)
		5				
		1 st	2 nd	3 rd		
1	3% Acetic acid, 70°C, 2h	N.D.	N.D.	N.D.	10	3
2	50% Ethanol, 70°C, 2h	N.D.	N.D.	N.D.	10	3
	Conclusion	-	-	PASS	-	-

Test specification		Result(s)			Limit (mg/dm ²)	RL (mg/dm ²)
		6				
		1 st	2 nd	3 rd		
1	3% Acetic acid, 70°C, 2h	N.D.	N.D.	N.D.	10	3
2	50% Ethanol, 70°C, 2h	N.D.	N.D.	N.D.	10	3
	Conclusion	-	-	PASS	-	-

Test specification		Result(s)			Limit (mg/dm ²)	RL (mg/dm ²)
		7				
		1 st	2 nd	3 rd		
1	3% Acetic acid, 70°C, 2h	N.D.	N.D.	N.D.	10	3
2	50% Ethanol, 70 °C, 2h	N.D.	N.D.	N.D.	10	3
	Conclusion	-	-	PASS	-	-

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Test specification		Result(s)			Limit (mg/dm ²)	RL (mg/dm ²)
		8				
		1 st	2 nd	3 rd		
1	3% Acetic acid, 70°C, 2h	N.D.	N.D.	N.D.	10	3
2	50% Ethanol, 70°C, 2h	N.D.	N.D.	N.D.	10	3
	Conclusion	-	-	PASS	-	-

Remark(s): (a) mg/dm²: milligram square decimetre
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)

17. Specific migration of Heavy Metal EN 13130-1: 2004, determined by ICP-OES

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

Compound		Result(s)			Limit (mg/kg)	RL (mg/kg)
		5				
		1 st	2 nd	3 rd		
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	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

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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
Conclusion		-	-	PASS	-	-

Compound		Result(s)			Limit (mg/kg)	RL (mg/kg)
		6				
		1 st	2 nd	3 rd		
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	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)	0.3	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
Conclusion		-	-	PASS	-	-

Compound		Result(s)			Limit (mg/kg)	RL (mg/kg)
		7				
		1 st	2 nd	3 rd		
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

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7	Calcium(Ca)	0.8	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
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
Conclusion		-	-	PASS	-	-

Compound		Result(s)			Limit (mg/kg)	RL (mg/kg)
		8				
		1 st	2 nd	3 rd		
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

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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)	0.1	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
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
	Conclusion	-	-	PASS	-	-

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

(b) RL: Report limit

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

(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

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

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

Compound		Material			Limit (mg/kg)	RL (mg/kg)
		5				
		1 st	2 nd	3 rd		
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
15	4,4'-methylene-bis-(2-chloro- aniline) 2,2'-dichloro-4,4'-methylene- dianiline	N.D.	N.D.	N.D.	0.002	0.002

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	CAS No.:101-14-4					
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	-
Conclusion		-	-	PASS	-	-

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Compound		Material			Limit (mg/kg)	RL (mg/kg)
		6				
		1 st	2 nd	3 rd		
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
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

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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	-
Conclusion		-	-	PASS	-	-

Compound		Material			Limit (mg/kg)	RL (mg/kg)
		7				
		1 st	2 nd	3 rd		
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

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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	-
Conclusion		-	-	PASS	-	-

Compound		Material			Limit (mg/kg)	RL (mg/kg)
		8				
		1 st	2 nd	3 rd		
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

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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
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)	N.D.	N.D.	N.D.	-	0.002

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	CAS No.:62-53-3					
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	-
Conclusion		-	-	PASS	-	-

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

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

Test Item		Material				Client's Limit (mg/kg)	RL (mg/kg)
		5	6	7	8		
1	Bisphenol A	N.D.	N.D.	N.D.	N.D.	Not Detected	0.01
Conclusion		PASS	PASS	PASS	PASS	-	-

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

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Material List:

Material #	Position / Sample Description	Material
1	Black fabric,belt	-
2	Matt-black plastic,ring	-
3	White coating,bottle	-
4	Black/matt-white coating,bottle	-
5	Transparent plastic,bottle	RPET
6	Transparent black plastic,lid	RPET
7	Black plastic,lid	PP
8	Translucent plastic,straw	PE
9	Translucent silicone,straw	Silicone
10	Translucent silicone,seal ring	Silicone
11	Bright black plastic,straw holder	-
12	Bright black plastic,lid buckle	-
13	Bright black plastic,switch	-
14	Silvery metal,strip	-
15	Silvery metal,spring	-
16	Pink coating,cup	-
17	Blue coating,cup	-
18	Light pink plastic,straw holder	-
19	Pink textile,belt	-
20	Transparent pink plastic,lid	-
21	Pink soft plastic,lid	-
22	Light blue plastic,straw holder	-

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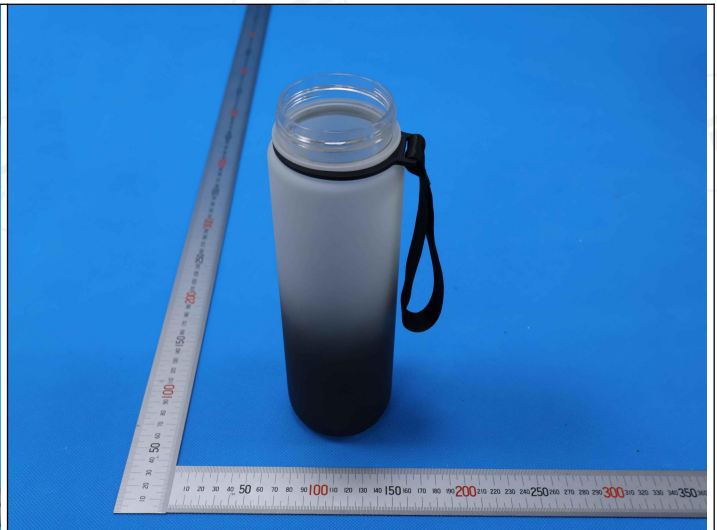
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23	Black coating,bottle	-
24	Cyan coating,bottle	-
25	Matt-black plastic,ring	-
26	Cyan textile,belt	-
27	Transparent cyan plastic,lid	-
28	Cyan soft plastic,lid	-
29	Cyan plastic,straw holder	-
30	Blue coating,bottle	-
31	Blue textile,belt	-
32	Transparent light blue plastic,lid	-
33	Light blue soft plastic,lid	-

Photo(s):



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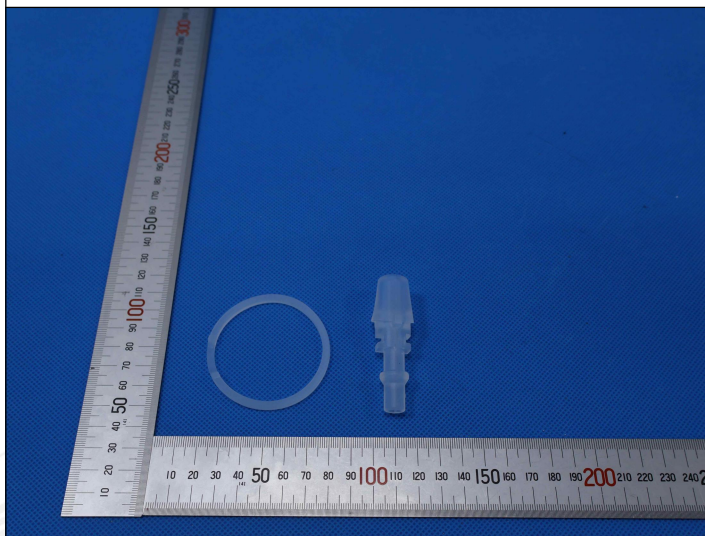
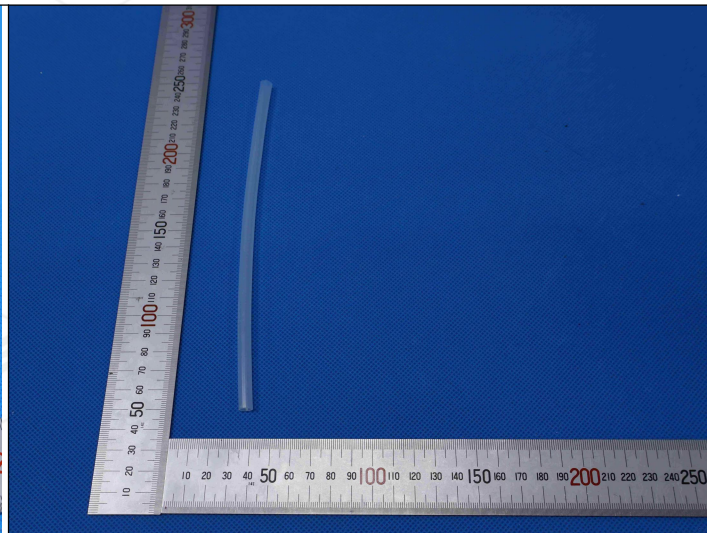


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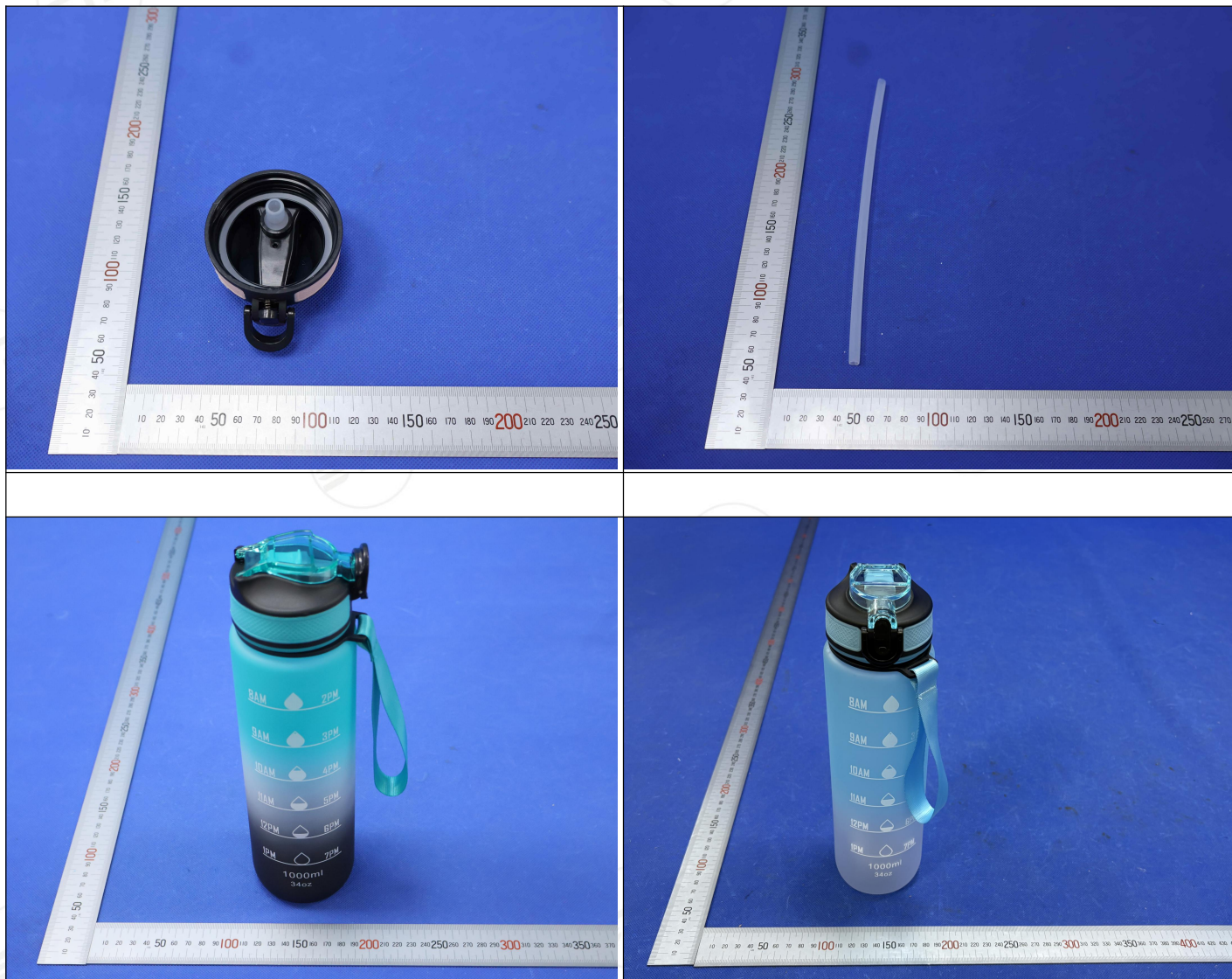


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Test Sample Photo

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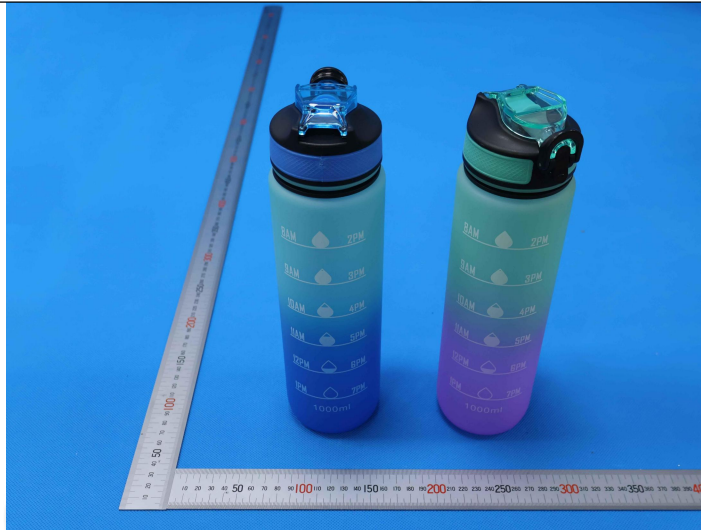


TEST REPORT

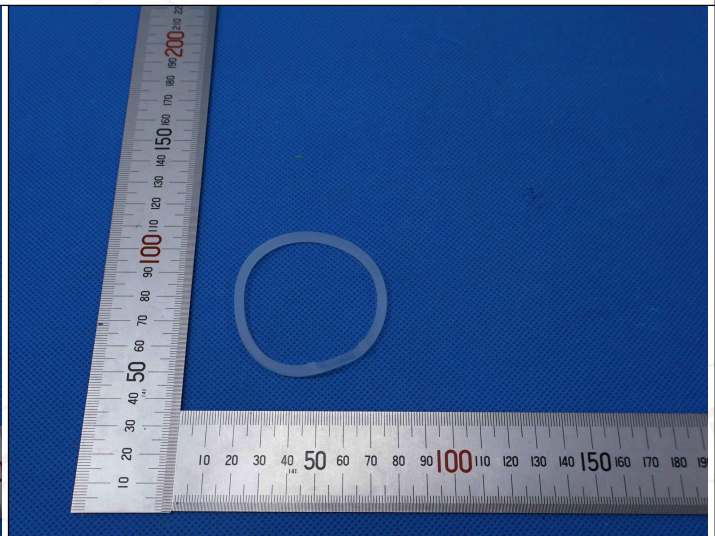
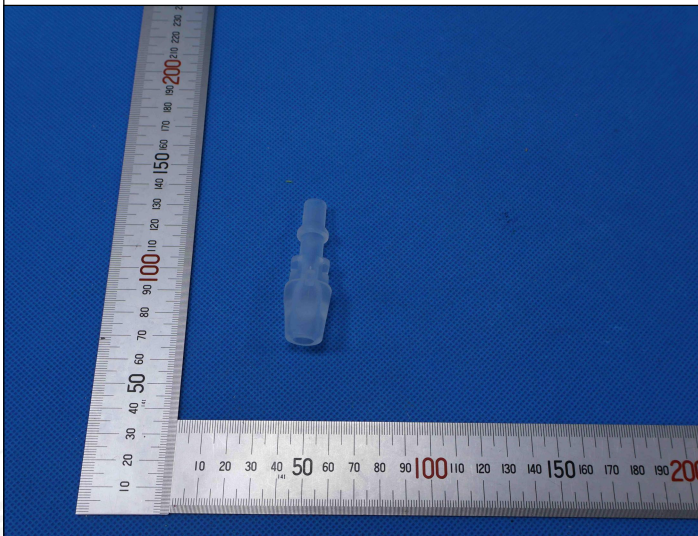
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Product Photo



Resubmit sample photo

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签发测试报告条款

Conditions of Issuance of Test Reports

1. 广州市德普华检测技术有限公司(以下简称[公司])为提供符合下述条款的测试和报告,而接受有关样品和货品。本公司基于下述条款提供服务,下述条款为本公司与申请服务的个人、企业或公司(以下简称[客户])的协议。
All samples and goods are accepted by the Guangzhou Depuhua Test Services Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").
2. 由此测试申请所发出的任何报告(以下简称[报告]),本公司会严格为客户保密。未经本公司的书面同意,报告的整体或部分不得复制,也不得用于广告或授权的其他用途。然而,客户可以将本公司印制的报告或认可的副本,向其客户、供货商或直接相关的其它人出示或提交。除非相关政府部门、法律或法规要求,否则未经客户同意,本公司不得将报告内容向任何第三方讨论或披露。
Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court order.
3. 除非相关政府部门、法律或法院要求,否则未经公司预先书面同意,本公司毋需,也并无义务到法院对有关报告作证。
The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. 除非本公司进行抽样,并已在报告中说明,否则报告中适用于送测的样品(样品信息为客户提供),不适用于批量。
The Report refers only to the tested sample (Sample information is provided by customer) and does not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report.
5. 如果本公司确定报告被不当地使用,本公司保留撤回报告的权利,并有权要求其它适当的额外赔偿。
In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
6. 本公司接受样品进行测试的前提是,该测试报告不能作为针对本公司法律行动的依据。
Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
7. 如因使用本公司中心任何报告内的资料,或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害,本公司概不负责。
The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
8. 若需要在法院审理程序或者仲裁过程中使用测试报告,客户必须在提交测试样品前将该意图告知本公司。
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
9. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的,检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限,数据和信息将被处理掉。任何情况下,本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害,本公司在任何情况下也不必承担任何损害,包括(但不限于)补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权(包括疏忽)、产品责任或其他原因的惩罚性损害。
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.
10. 报告的签发记录可通过登录 Web://www.dphtl.com 查询。如需进一步查询报告有效性或核实报告,需与本公司联系。
Issuance records of the Report are available on the internet at Web://www.dphtl.com. Further enquiry of validity or verification of the Report should be addressed to the company.