



# TEST REPORT

**Report No.**..... : WTF22F09194547A2F  
**Applicant**..... : Mid Ocean Brands B.V.  
**Address**..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha  
Wan, Kowloon, Hong Kong  
**Manufacturer**..... : 114276  
**Sample Name**..... : PE bottle  
**Sample Model**..... : MO9538  
**Test Requested**..... : In accordance with Regulation (EU) No 10/2011 with  
amendments, Council of Europe Resolution AP(2004)4  
and Regulation (EC) No 1935/2004.  
**Test Conclusion**..... : **Pass** (Please refer to next pages for details)  
**Date of Receipt sample**..... : 2022-09-26 & 2022-10-25  
**Testing period**..... : 2022-09-26 to 2022-10-17 & 2022-10-25 to 2022-11-11 &  
2022-11-25 to 2022-12-01  
**Date of Issue**..... : 2022-12-01  
**Test Result**..... : Refer to next page (s)  
**Note**..... : Selected test(s) as requested by applicant

**Prepared By:**

**Waltek Testing Group (Foshan) Co., Ltd.**

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Signed for and on behalf of  
Waltek Testing Group (Foshan) Co., Ltd.

Jessise Liu

Jessise.Liu



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**Test Results:**

**1. Overall Migration Test**

Food Simulant	Test Condition	Result (mg/dm <sup>2</sup> )			LOQ (mg/dm <sup>2</sup> )	Limit (mg/dm <sup>2</sup> )
		No.1				
		1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
3% Acetic Acid	100°C for 2 hours	ND	ND	ND	3	10
10% Ethanol	100°C for 2 hours	ND	ND	ND	3	10

Food Simulant	Test Condition	Result (mg/dm <sup>2</sup> )			LOQ (mg/dm <sup>2</sup> )	Limit (mg/dm <sup>2</sup> )
		No.2				
		1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
3% Acetic Acid	100°C for 2 hours	ND	ND	ND	3	10
10% Ethanol	100°C for 2 hours	ND	ND	ND	3	10

Note:

1. Test method: With reference to BS EN 1186-1: 2002 and BS EN 1186-3: 2002.
2. "mg/dm<sup>2</sup>" = Milligram per square decimetre
3. "°C" = Celsius degree
4. LOQ = Limit of quantitation
5. ND = Not Detected or lower than limit of quantitation
6. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752, (EU) 2019/37 and (EU) 2020/1245.

Food Simulant	Test Condition	Result (mg/kg)		LOQ (mg/kg)	Limit (mg/kg)
		No.3	No.4		
3% Acetic Acid	100°C for 2 hours	ND	ND	20	60
10% Ethanol	100°C for 2 hours	ND	ND	20	60

Note:

1. Test method: With reference to BS EN 1186-1: 2002 and BS EN 1186-3: 2002.
2. "mg/kg" = Milligram per kilogram of foodstuff in contact with
3. "°C" = Celsius degree
4. LOQ = Limit of quantitation
5. ND = Not Detected or lower than limit of quantitation
6. The specification was quoted from Council of Europe Resolution AP (2004)4.





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## 2. Specific Migration of heavy metal

Test Items	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.1				
	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Specific migration of Nickel	ND	ND	ND	0.01	0.02
Specific migration of Aluminium	ND	ND	ND	0.1	1
Specific migration of Barium	ND	ND	ND	0.1	1
Specific migration of Cobalt	ND	ND	ND	0.01	0.05
Specific migration of Copper	ND	ND	ND	0.1	5
Specific migration of Iron	ND	ND	ND	0.1	48
Specific migration of Lithium	ND	ND	ND	0.01	0.6
Specific migration of Manganese	ND	ND	ND	0.01	0.6
Specific migration of Zinc	ND	ND	ND	0.1	5
Specific migration of Antimony	ND	ND	ND	0.01	0.04
Specific migration of Arsenic	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Cadmium	ND	ND	ND	0.002	Not detected (<0.002)
Specific migration of Chromium	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Mercury	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Lead	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Europium	ND	ND	ND	0.02	Sum<0.05
Specific migration of Gadolinium	ND	ND	ND	0.02	
Specific migration of Lanthanum	ND	ND	ND	0.02	
Specific migration of Terbium	ND	ND	ND	0.02	



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Test Items	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.2				
	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Specific migration of Nickel	ND	ND	ND	0.01	0.02
Specific migration of Aluminium	ND	ND	ND	0.1	1
Specific migration of Barium	ND	ND	ND	0.1	1
Specific migration of Cobalt	ND	ND	ND	0.01	0.05
Specific migration of Copper	ND	ND	ND	0.1	5
Specific migration of Iron	ND	ND	ND	0.1	48
Specific migration of Lithium	ND	ND	ND	0.01	0.6
Specific migration of Manganese	ND	ND	ND	0.01	0.6
Specific migration of Zinc	ND	ND	ND	0.1	5
Specific migration of Antimony	ND	ND	ND	0.01	0.04
Specific migration of Arsenic	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Cadmium	ND	ND	ND	0.002	Not detected (<0.002)
Specific migration of Chromium	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Mercury	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Lead	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Europium	ND	ND	ND	0.02	Sum<0.05
Specific migration of Gadolinium	ND	ND	ND	0.02	
Specific migration of Lanthanum	ND	ND	ND	0.02	
Specific migration of Terbium	ND	ND	ND	0.02	



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Test Items	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.3				
	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Specific migration of Nickel	ND	ND	ND	0.01	0.02
Specific migration of Aluminium	ND	ND	ND	0.1	1
Specific migration of Barium	ND	ND	ND	0.1	1
Specific migration of Cobalt	ND	ND	ND	0.01	0.05
Specific migration of Copper	ND	ND	ND	0.1	5
Specific migration of Iron	ND	ND	ND	0.1	48
Specific migration of Lithium	ND	ND	ND	0.01	0.6
Specific migration of Manganese	ND	ND	ND	0.01	0.6
Specific migration of Zinc	ND	ND	ND	0.1	5
Specific migration of Antimony	ND	ND	ND	0.01	0.04
Specific migration of Arsenic	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Cadmium	ND	ND	ND	0.002	Not detected (<0.002)
Specific migration of Chromium	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Mercury	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Lead	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Europium	ND	ND	ND	0.02	Sum<0.05
Specific migration of Gadolinium	ND	ND	ND	0.02	
Specific migration of Lanthanum	ND	ND	ND	0.02	
Specific migration of Terbium	ND	ND	ND	0.02	





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Test Items	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.4				
	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Specific migration of Nickel	ND	ND	ND	0.01	0.02
Specific migration of Aluminium	ND	ND	ND	0.1	1
Specific migration of Barium	ND	ND	ND	0.1	1
Specific migration of Cobalt	ND	ND	ND	0.01	0.05
Specific migration of Copper	ND	ND	ND	0.1	5
Specific migration of Iron	ND	ND	ND	0.1	48
Specific migration of Lithium	ND	ND	ND	0.01	0.6
Specific migration of Manganese	ND	ND	ND	0.01	0.6
Specific migration of Zinc	ND	ND	ND	0.1	5
Specific migration of Antimony	ND	ND	ND	0.01	0.04
Specific migration of Arsenic	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Cadmium	ND	ND	ND	0.002	Not detected (<0.002)
Specific migration of Chromium	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Mercury	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Lead	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Europium	ND	ND	ND	0.02	Sum<0.05
Specific migration of Gadolinium	ND	ND	ND	0.02	
Specific migration of Lanthanum	ND	ND	ND	0.02	
Specific migration of Terbium	ND	ND	ND	0.02	

Note:

1. Test Method: With reference to BS EN 13130-1: 2004, sample preparation in 3% acetic acid at 100°C for 6 hours, analysis was performed by ICP-MS.
2. "mg/kg" = milligram per kilogram of foodstuff in contact with
3. LOQ = Limit of quantitation
4. ND = Not Detected or lower than limit of quantitation
5. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752 and (EU) 2020/1245.



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### 3. Migration of N-Nitrosamine and N-Nitrosatable Substances

Test Items	Result (mg/kg)	
	No.3	
	N-nitrosamines	N-nitrosatable substances
N-nitrosodimethylamine (NDMA)	<0.01	<0.1
N-nitrosodiethylamine (MDEA)	<0.01	<0.1
N-nitrosodipropylamine (NDPA)	<0.01	<0.1
N-nitrosodibutylamine (NDBA)	<0.01	<0.1
N-nitrosopiperidine (NPIP)	<0.01	<0.1
N-nitrosopyrrolidine (NPYR)	<0.01	<0.1
N-nitrosomorpholine (NMOR)	<0.01	<0.1
N-nitrosomethylphenylamine (NMPHA)	<0.01	<0.1
N-nitrosoethylphenylamine (NEPhA)	<0.01	<0.1
N-nitrosodibenzylamine (NDBzA)	<0.01	<0.1
N-nitroso-n, n-di-(7-methyloctyloctyl) amine (NDINA)	<0.01	<0.1
Sum of above N-nitrosamines and N-nitrosatable substances	<0.01	<0.1
Limit	0.01	0.1



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Test Items	Result (mg/kg)	
	No.4	
	N-nitrosamines	N-nitrosatable substances
N-nitrosodimethylamine (NDMA)	<0.01	<0.1
N-nitrosodiethylamine (MDEA)	<0.01	<0.1
N-nitrosodipropylamine (NDPA)	<0.01	<0.1
N-nitrosodibutylamine (NDBA)	<0.01	<0.1
N-nitrosopiperidine (NPIP)	<0.01	<0.1
N-nitrosopyrrolidine (NPYR)	<0.01	<0.1
N-nitrosomorpholine (NMOR)	<0.01	<0.1
N-nitrosomethylphenylamine (NMPHA)	<0.01	<0.1
N-nitrosoethylphenylamine (NEPhA)	<0.01	<0.1
N-nitrosodibenzylamine (NDBzA)	<0.01	<0.1
N-nitroso-n, n-di-(7-methyloctyloctyl) amine (NDINA)	<0.01	<0.1
Sum of above N-nitrosamines and N-nitrosatable substances	<0.01	<0.1
Limit	0.01	0.1

Note:

1. Test method: With reference to EN 12868:2017, extraction with Artificial saliva at 40°C for 24 hours, followed by GC-MS analysis.
2. "mg/kg" = Milligrams per kilogram
3. "<" = less than
4. The specification was quoted from Council of Europe Resolution AP(2004)4.





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#### 4. Bisphenol A Content

Test Item	Result (mg/kg)				LOQ (mg/kg)	Limit (mg/kg)
	No.1	No.2	No.3	No.4		
Bisphenol A	ND	ND	ND	ND	0.1	Not Detected

Note:

1. Test Method: With reference to EPA3550C:2007, analysis was performed by GC-MS.
2. "mg/kg" = milligram per kilogram
3. LOQ = Limit of quantitation
4. ND = Not Detected or lower than limit of quantitation
5. The specification was quoted from Law No 2012-1442.

#### 5. Specific Migration of Primary Aromatic Amines

Test Item	Result (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.5				
	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Migration of Primary aromatic amines	ND	ND	ND	0.01	Not Detected

Test Item	Result (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.6				
	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Migration of Primary aromatic amines	ND	ND	ND	0.01	Not Detected

Note:

1. Test Method: With reference to § 64 LFGB L No. 00.00-6, analysis was performed by UV-visible Spectrometer.
2. Test Condition and simulant: 3% acetic acid at 100°C for 6 hours.
3. "mg/kg" = milligram per kilogram of foodstuff in contact with
4. LOQ = Limit of quantitation
5. ND = Not Detected or lower than limit of quantitation
6. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752 and (EU) 2020/1245.



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Test Item	Result (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.7				
	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Migration of Primary aromatic amines	ND	ND	ND	0.01	Not Detected

Test Item	Result (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.8				
	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Migration of Primary aromatic amines	ND	ND	ND	0.01	Not Detected

**Note:**

1. Test Method: With reference to § 64 LFGB L No. 00.00-6, analysis was performed by UV-visible Spectrometer.
2. Test Condition and simulant: 3% acetic acid at 100°C for 6 hours.
3. "mg/kg" = milligram per kilogram of foodstuff in contact with
4. LOQ = Limit of quantitation
5. ND = Not Detected or lower than limit of quantitation
6. The specification was quoted from Council of Europe Resolution AP (2004)4.



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**6. Specific Migration of Primary Aromatic Amines (single substance)\***

Test Items	CAS No.	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
		No.5				
		1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
2-methoxyaniline	90-04-0	ND	ND	ND	0.002	ND
4,4'-Diaminobiphenyl	92-87-5	ND	ND	ND	0.002	ND
4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	ND	ND	ND	0.002	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	0.002	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND	0.002	ND
4-chloroaniline	106-47-8	ND	ND	ND	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	0.002	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	0.002	ND
2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	0.002	ND
2,4,5 – Trimethylaniline	137-17-7	ND	ND	ND	0.002	ND
4,4'-Thiodianiline	139-65-1	ND	ND	ND	0.002	ND
4-aminoazobenzene	60-09-3	ND	ND	ND	0.002	ND
2,4-diaminoanisol	615-05-4	ND	ND	ND	0.002	ND
4,4'-diamino-3,3'-dimethyldiphenylmethane	838-88-0	ND	ND	ND	0.002	ND
2-Naphthylamine	91-59-8	ND	ND	ND	0.002	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	0.002	ND
4-Aminobiphenyl	92-67-1	ND	ND	ND	0.002	ND
2-methylaniline	95-53-4	ND	ND	ND	0.002	ND
4-chloro-o-Toluidine	95-69-2	ND	ND	ND	0.002	ND
2,4-Toluyldiamine	95-80-7	ND	ND	ND	0.002	ND
2,4-Aminoazotoluene	97-56-3	ND	ND	ND	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND	0.002	ND
2,4-Xylidin	95-68-1	ND	ND	ND	0.002	ND
2,6-Xylidin	87-62-7	ND	ND	ND	0.002	ND
1, 3 - phenylene diamine	108-45-2	ND	ND	ND	0.002	ND





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Test Items	CAS No.	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
		No.6				
		1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
2-methoxyaniline	90-04-0	ND	ND	ND	0.002	ND
4,4'-Diaminobiphenyl	92-87-5	ND	ND	ND	0.002	ND
4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	ND	ND	ND	0.002	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	0.002	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND	0.002	ND
4-chloroaniline	106-47-8	ND	ND	ND	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	0.002	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	0.002	ND
2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	0.002	ND
2,4,5 – Trimethylaniline	137-17-7	ND	ND	ND	0.002	ND
4,4'-Thiodianiline	139-65-1	ND	ND	ND	0.002	ND
4-aminoazobenzene	60-09-3	ND	ND	ND	0.002	ND
2,4-diaminoanisol	615-05-4	ND	ND	ND	0.002	ND
4,4'-diamino-3,3'-dimethyldiphenylmethane	838-88-0	ND	ND	ND	0.002	ND
2-Naphthylamine	91-59-8	ND	ND	ND	0.002	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	0.002	ND
4-Aminobiphenyl	92-67-1	ND	ND	ND	0.002	ND
2-methylaniline	95-53-4	ND	ND	ND	0.002	ND
4-chloro-o-Toluidine	95-69-2	ND	ND	ND	0.002	ND
2,4-Toluyldiamine	95-80-7	ND	ND	ND	0.002	ND
2,4-Aminoazotoluene	97-56-3	ND	ND	ND	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND	0.002	ND
2,4-Xylidin	95-68-1	ND	ND	ND	0.002	ND
2,6-Xylidin	87-62-7	ND	ND	ND	0.002	ND
1, 3 - phenylene diamine	108-45-2	ND	ND	ND	0.002	ND



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Test Items	CAS No.	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
		No.7				
		1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
2-methoxyaniline	90-04-0	ND	ND	ND	0.002	ND
4,4'-Diaminobiphenyl	92-87-5	ND	ND	ND	0.002	ND
4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	ND	ND	ND	0.002	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	0.002	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND	0.002	ND
4-chloroaniline	106-47-8	ND	ND	ND	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	0.002	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	0.002	ND
2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	0.002	ND
2,4,5 – Trimethylaniline	137-17-7	ND	ND	ND	0.002	ND
4,4'-Thiodianiline	139-65-1	ND	ND	ND	0.002	ND
4-aminoazobenzene	60-09-3	ND	ND	ND	0.002	ND
2,4-diaminoanisol	615-05-4	ND	ND	ND	0.002	ND
4,4'-diamino-3,3'-dimethyldiphenylmethane	838-88-0	ND	ND	ND	0.002	ND
2-Naphthylamine	91-59-8	ND	ND	ND	0.002	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	0.002	ND
4-Aminobiphenyl	92-67-1	ND	ND	ND	0.002	ND
2-methylaniline	95-53-4	ND	ND	ND	0.002	ND
4-chloro-o-Toluidine	95-69-2	ND	ND	ND	0.002	ND
2,4-Toluyldiamine	95-80-7	ND	ND	ND	0.002	ND
2,4-Aminoazotoluene	97-56-3	ND	ND	ND	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND	0.002	ND
2,4-Xylidin	95-68-1	ND	ND	ND	0.002	ND
2,6-Xylidin	87-62-7	ND	ND	ND	0.002	ND
1, 3 - phenylene diamine	108-45-2	ND	ND	ND	0.002	ND





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Test Items	CAS No.	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
		No.8				
		1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
2-methoxyaniline	90-04-0	ND	ND	ND	0.002	ND
4,4'-Diaminobiphenyl	92-87-5	ND	ND	ND	0.002	ND
4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	ND	ND	ND	0.002	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	0.002	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND	0.002	ND
4-chloroaniline	106-47-8	ND	ND	ND	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	0.002	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	0.002	ND
2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	0.002	ND
2,4,5 – Trimethylaniline	137-17-7	ND	ND	ND	0.002	ND
4,4'-Thiodianiline	139-65-1	ND	ND	ND	0.002	ND
4-aminoazobenzene	60-09-3	ND	ND	ND	0.002	ND
2,4-diaminoanisol	615-05-4	ND	ND	ND	0.002	ND
4,4'-diamino-3,3'-dimethyldiphenylmethane	838-88-0	ND	ND	ND	0.002	ND
2-Naphthylamine	91-59-8	ND	ND	ND	0.002	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	0.002	ND
4-Aminobiphenyl	92-67-1	ND	ND	ND	0.002	ND
2-methylaniline	95-53-4	ND	ND	ND	0.002	ND
4-chloro-o-Toluidine	95-69-2	ND	ND	ND	0.002	ND
2,4-Toluyldiamine	95-80-7	ND	ND	ND	0.002	ND
2,4-Aminoazotoluene	97-56-3	ND	ND	ND	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND	0.002	ND
2,4-Xylidin	95-68-1	ND	ND	ND	0.002	ND
2,6-Xylidin	87-62-7	ND	ND	ND	0.002	ND
1, 3 - phenylene diamine	108-45-2	ND	ND	ND	0.002	ND

Note:

1. Test Method: With reference to BS EN 13130-1:2004, analysis was performed by LC-MS-MS.
2. Test Condition and simulant: 3% acetic acid at 100°C for 6 hours.
3. "mg/kg" = milligram per kilogram of foodstuff in contact with
4. LOQ = Limit of quantitation
5. ND = Not Detected or lower than limit of quantitation
6. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752 and (EU) 2020/1245.






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Sample Photo:







Photograph of parts tested:

No.	Photo of testing part	Parts Description	Client Claimed Material
1		White plastic	PE






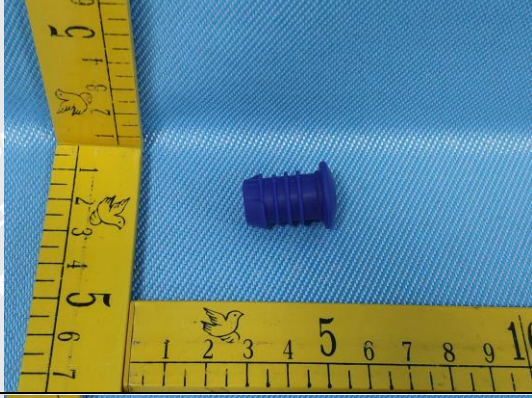
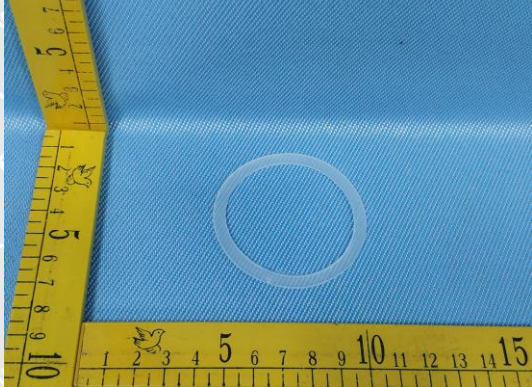
Report No.: WTF22F09194547A2F

No.	Photo of testing part	Parts Description	Client Claimed Material
2		Blue plastic	PP
3		Blue rubber	TPR
4		Transparent rubber	TPR
5		White plastic	PE (Sample received at 2022-11-25)





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No.	Photo of testing part	Parts Description	Client Claimed Material
6		Blue plastic	PP (Sample received at 2022-11-25)
7		Blue rubber	TPR (Sample received at 2022-11-25)
8		Transparent rubber	TPR (Sample received at 2022-11-25)

**Remarks:**

1. The results shown in this test report refer only to the sample(s) tested;
2. This test report cannot be reproduced, except in full, without prior written permission of the company;
3. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver;
4. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which Waltek hasn't verified;
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===== End of Report =====