中国认可
国际互认
检测
TESTING
CNAS L6478

TEST REPORT

Report No.	:	WTF24F04086645A1T
Applicant	:	Mid Ocean Brands B.V.
Address	:	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	:	111587
Sample Name	:	600D RPET lunch cooler bag
Sample Model	:	MO6287
Test Requested	:	In accordance with Regulation (EU) No 10/2011, French Décret n°2007-766 with amendments and Regulation (EC) No 1935/2004.
Test Conclusion	:	**Pass** (Please refer to next pages for details)
Date of Receipt sample	:	2024-04-17 & 2024-05-16
Testing period	:	2024-04-17 to 2024-04-26 & 2024-05-16 to 2024-05-28
Date of Issue	:	2024-05-29
Test Result	:	Refer to next page (s)

Prepared By:

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

Jessie.Liu

Test Results:

1. Overall Migration Test

Food Simulant	Test Condition	Result (mg/dm^2)			LOQ (mg/dm^2)	Limit (mg/dm^2)
		No.1				
		1st Migration	2nd Migration	3rd Migration		
3% Acetic Acid	70°C for 2 hours	ND	ND	ND	3.0	3rd Migration:10, 3rd<2nd<1st
10% Ethanol	70°C for 2 hours	ND	ND	ND	3.0	3rd Migration:10, 3rd<2nd<1st
Olive oil	70°C for 2 hours	ND	ND	ND	3.0	3rd Migration:10, 3rd<2nd<1st

Note:

1. Test method: With reference to BS EN 1186-1: 2002, BS EN 1186-2: 2022, BS EN 1186-3: 2022
2. "mg/dm^2" = milligram per square decimetre
3. "°C" = Celsius degree
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, (EU)2019/37 and (EU) 2020/1245.

Food Simulant	Test Condition	Result (mg/kg)	LOQ(mg/kg)	Limit (mg/kg)
		No.2		
3% Acetic Acid	40°C for 2 hours	ND	20	60
10% Ethanol	40°C for 2 hours	ND	20	60
Olive oil	40°C for 2 hours	ND	20	60

Note:

1. Test method: With reference to EN 1186-1: 2002, EN 1186-2: 2022, EN 1186-3: 2022
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)5 and French Arrêté du 25 novembre 1992 for Silicone Elastomers.

2. Specific Migration of heavy metal

Test Items	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)	
	No.1					
	1st Migration	2nd Migration	3rd Migration			
Nickel (Ni)	ND	ND	ND	0.01	3rd Migration:0.02, 3rd<2nd<1st	
Aluminium (Al)	ND	ND	ND	0.1	3rd Migration:1 3rd<2nd<1st	
Barium (Ba)	ND	ND	ND	0.1	3rd Migration:1 3rd<2nd<1st	
Cobalt (Co)	ND	ND	ND	0.01	3rd Migration:0.05 3rd<2nd<1st	
Copper (Cu)	ND	ND	ND	0.1	3rd Migration:5 3rd<2nd<1st	
Iron (Fe)	ND	ND	ND	0.1	3rd Migration:48 3rd<2nd<1st	
Lithium (Li)	ND	ND	ND	0.01	3rd Migration:0.6 3rd<2nd<1st	
Manganese (Mn)	ND	ND	ND	0.01	3rd Migration:0.6 3rd<2nd<1st	
Zinc (Zn)	ND	ND	ND	0.1	3rd Migration:5 3rd<2nd<1st	
Antimony (Sb)	ND	ND	ND	0.01	3rd Migration:0.04 3rd<2nd<1st	
Arsenic (As)	ND	ND	ND	0.01	Not detected	
Cadmium (Cd)	ND	ND	ND	0.002	Not detected	
Chromium (Cr)	ND	ND	ND	0.01	Not detected	
Mercury (Hg)	ND	ND	ND	0.01	Not detected	
Lead (Pb)	ND	ND	ND	0.01	Not detected	
Europeum (Eu)	ND	ND	ND	0.02	3rd Migration:0.05 3rd<2nd<1st	Sum< 0.05
Gadolinium (Gd)	ND	ND	ND	0.02	3rd Migration:0.05 3rd<2nd<1st	
Lanthanum (La)	ND	ND	ND	0.02	3rd Migration:0.05 3rd<2nd<1st	
Terbium (Tb)	ND	ND	ND	0.02	3rd Migration:0.05 3rd<2nd<1st	

Note:

1. Test Method: With reference to BS EN 13130-1: 2004, sample preparation in 3% acetic acid at 70°C for 2 hours, analysis was performed by ICP-MS.
2. “mg/kg” = milligram per kilogram of foodstuff in contact with
3. ND = Not Detected or lower than limit of quantitation
4. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752 and (EU) 2020/1245.

3. Specific Migration of Primary Aromatic Amines

Test Item	Result (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.1				
	1st Migration	2nd Migration	3rd 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 70°C for 2 hours
3. “mg/kg” = milligram per kilogram of foodstuff in contact with
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.

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

Test Items	CAS No.	Result(mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
		No.1				
		1st Migration	2nd Migration	3rd Migration		
2-methoxyaniline	90-04-0	ND	ND	ND	0.002	Not Detected
4,4'-Diaminobiphenyl	92-87-5	ND	ND	ND	0.002	Not Detected
4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	ND	ND	ND	0.002	Not Detected
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	0.002	Not Detected
4,4'-Oxydianiline	101-80-4	ND	ND	ND	0.002	Not Detected
4-chloroaniline	106-47-8	ND	ND	ND	0.002	Not Detected
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	0.002	Not Detected
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	0.002	Not Detected
2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	0.002	Not Detected
2,4,5 – Trimethylaniline	137-17-7	ND	ND	ND	0.002	Not Detected
4,4'-Thiodianiline	139-65-1	ND	ND	ND	0.002	Not Detected
4-aminoazobenzene	60-09-3	ND	ND	ND	0.002	Not Detected
2,4-diaminoanisol	615-05-4	ND	ND	ND	0.002	Not Detected
4,4'-diamino-3,3'-dimethyldiphenylmethane	838-88-0	ND	ND	ND	0.002	Not Detected
2-Naphthylamine	91-59-8	ND	ND	ND	0.002	Not Detected
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	0.002	Not Detected
4-Aminobiphenyl	92-67-1	ND	ND	ND	0.002	Not Detected
2-methylaniline	95-53-4	ND	ND	ND	0.002	Not Detected
4-chloro-o-Toluidine	95-69-2	ND	ND	ND	0.002	Not Detected
2,4-Toluylendiamine	95-80-7	ND	ND	ND	0.002	Not Detected
2,4-Aminoazotoluene	97-56-3	ND	ND	ND	0.002	Not Detected
2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND	0.002	Not Detected
2,4-Xylidin	95-68-1	ND	ND	ND	0.002	Not Detected
2,6-Xylidin	87-62-7	ND	ND	ND	0.002	Not Detected
1, 3 - phenylene diamine	108-45-2	ND	ND	ND	0.002	Not Detected

Note:

1. Test Method: With reference to EN 13130-1:2004, analysis was performed by LC-MS-MS.
2. Test Condition and simulant: 3% acetic acid at 70°C for 2 hours
3. "mg/kg" = milligram per kilogram of foodstuff in contact with
4. ND = Not Detected or lower than limit of quantitation
5. The specification was quoted from (EU) No 10/2011 and its amendment (EU) 2020/1245.
6. The testing item marked with '*' does not been accredited by CNAS.

5. Bisphenol A Content*

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

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.
6. The testing item marked with ‘*’ does not been accredited by CNAS.

6. Peroxide Value Test*

Test Item	Result	Limit
	No.2	
Peroxide Value	Absent	Absent

Note:

1. Test method: With reference to French pharmacopoeia Xth edition.
2. The specification was quoted from French Arrêté du 25 novembre 1992 for Silicone Elastomers.
3. The testing item marked with ‘*’ does not been accredited by CNAS.

7. Volatile Organic Compounds

Test Item	Test Condition	Result (%)	LOQ (%)	Limit (%)
		No.2		
Volatile Organic compounds	200°C for 4 hours	0.12	0.05	0.5

Note:

1. Test method: With reference to French Arrêté du 25 novembre 1992 Annex III for silicone Elastomers.
2. “%” = percentage by weight
3. LOQ = Limit of quantitation
4. The specification was quoted from French Arrêté du 25 novembre 1992 for Silicone Elastomers.

8. Specific Migration of Organotin (as Tin)

Food Simulant	Test Condition	Result (mg/kg)	LOQ (mg/kg)	Limit (mg/kg)
		No.2		
3% acetic acid	40°C for 2 hours	ND	0.01	0.1

Note:

1. Test Method: With reference to BS EN 13130-1: 2004, analysis was performed by ICP-MS.
2. “mg/kg” = milligram per kilogram
3. LOQ = Limit of quantitation
4. ND = Not Detected, less than LOQ
5. The specification was quoted from French Arrêté du 25 novembre 1992 for Silicone Elastomers.

9. Specific Migration of Bisphenol A

Test Item	Result (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.2				
	1st Migration	2nd Migration	3rd Migration		
Migration of Bisphenol A	ND	ND	ND	0.01	3rd Migration:0.05 3rd<2nd<1st

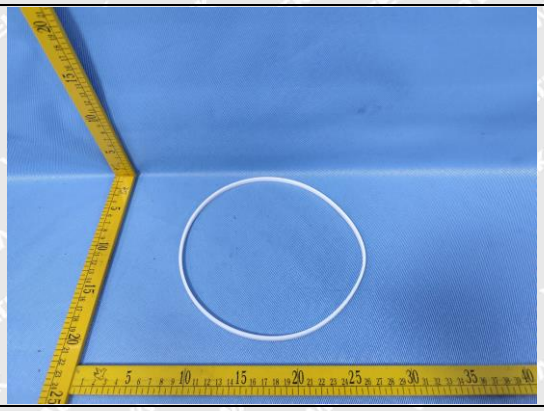
Note:

1. Test Method: With reference to CEN/TS 13130-13-2005, sample preparation in 3% acetic acid at 40°C for 2 hours.
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 regulation (EU) No 10/2011 with its amendments (EU) 2018/213 and (EU) 2020/1245.

Sample Photo：

Photograph of parts tested:

No.	Photo of testing part	Parts Description	Client Claimed Material
1		Transparent plastic	PP Sample received at 2024-04-17

No.	Photo of testing part	Parts Description	Client Claimed Material
2		White silicone rubber	Silicone rubber Sample received at 2024-05-16

Remarks:
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====== End of Report ======