

TEST REPORT

<u>Applicant</u>	: Mid Ocean Hong Kong Ltd.
<u>Address</u>	: Unit 711-716, 7/F., Tower A, 83 King Lam Street Cheung Sha Wan, Kowloon, Hong Kong
<u>Sample description</u>	: Lunch box with cutlery
<u>Model no.</u>	: MO6254
<u>Surface to volume ratio (S/V)</u>	: Component No.1: 3.1dm ² /600ml; Component No.2: 0.6dm ² /100ml
<u>Sample received date</u>	: 20-Apr-2026
<u>Sample resubmission date</u>	: 15-May-2026
<u>Turn around time</u>	: 20-Apr-2026 To 15-May-2026

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Total Lead Content	REACH Annex XVII, Entry 63	Pass
Polycyclic Aromatic Hydrocarbons (PAHs)	REACH Annex XVII, Entry 50	Pass
Banned AZO Dyes	REACH Annex XVII, Entry 43	Pass
Colour Fastness to Rubbing	DIN EN ISO105-X12:2016	Pass
Overall Migration	(EC) No. 1935/2004, (EU) No 10/2011 and its amendments	Pass
Overall Migration	Resolution ResAP (2004) 5	Pass
Overall Migration	DGCCRF French Decree No. 2007-766	Pass
Bisphenol A (BPA) Content	(EC) No. 1935/2004, (EU) No 10/2011 and its amendments (EU) 2024/3190	Pass
Peroxide Value	French Arrêté du 25 Novembre 1992	Pass
Volatile Organic Matter	LFGB Section 30 and 31, BfR Recommendations XV	Pass
Specific Migration of Organotin (as tin)	French Arrêté du 25 Novembre 1992	Pass
Specific Migration of Primary Aromatic Amines	(EC) No. 1935/2004, (EU) No 10/2011 and its amendments	Pass
Specific Migration of Primary Aromatic Amines	DGCCRF French Decree No. 2007-766	Pass
Specific Migration of Heavy Metal	(EC) No. 1935/2004, (EU) No 10/2011 and its amendments	Pass
Specific Migration of Heavy Metal	DGCCRF French Decree No. 2007-766	Pass
Phthalates Content	REACH Annex XVII, Entry 51 & 52	Pass
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Specific Migration of Heavy Metals(Ca, Mg, K, Na)	In House Method	See Test Result



Eurofins (Shanghai) contact information**Customer service:** Winnie.Dong@cpt.eurofinscn.com**Sales specialist:** Lily.Li@cpt.eurofinscn.com

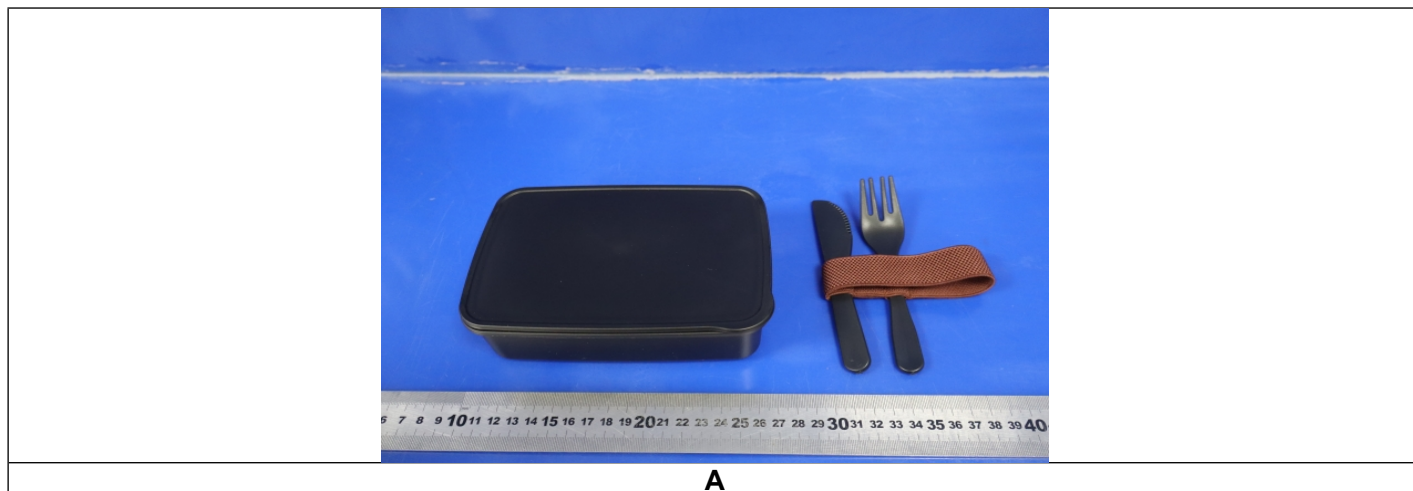
***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
Eurofins MTS Consumer Product Testing (Shanghai)
Co., Ltd.



Conny Li
FCM Division Assistant Manager

SAMPLE PHOTO(S)



A

EFW526044705-CG-01

TO BE CONTINUED

REFERENCE SAMPLE PHOTO(S)



The reference samples have not been tested in current report, but according to customer's request, the pictures have also been included. For sample tested in current report, please refer to "Sample photo".

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Black plastic lunch box/fork/spoon	A
2	Transparent silicone sealing ring	A
3	Black elastic rubber of elastic band	A
4	Brown textile of elastic band	A

TO BE CONTINUED

TEST RESULT

Total Lead Content

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996, acid digestion/ microwave digestion method was used, analysis was performed by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				1	2	3	4
Lead (Pb)	mg/kg	500	10	ND	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Request: Polycyclic Aromatic Hydrocarbons (PAHs) content as specified in entry 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its latest amendment.

Test Method: Solvent extraction and quantification by gas chromatography-mass selective detection (GC-MS) with respect to AfPS GS 2019:01 PAK.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					1	2	3
Benzo(a)anthracene	56-55-3	mg/kg	1	0.1	ND	ND	ND
Chrysene	218-01-9	mg/kg	1	0.1	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	1	0.1	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	1	0.1	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	1	0.1	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	1	0.1	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	1	0.1	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	1	0.1	ND	ND	ND

Remarks:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

Building 1, No. 105, Guangzhong Road, Zhuanqiao, Minhang District, Shanghai, China

Tel: (86) 21-2350 9600

No.331, Guangzhong Road, Zhuanqiao, Minhang District, Shanghai, China

E-mail: info.shmts@cpt.eurofinscn.com

Website: www.eurofins.cn

TEST RESULT

Banned AZO Dyes

Test Request: Banned AZO dyes as specified in entry 43 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EN ISO 14362-1:2017, sample preparation according to Annex E4.2 and Annex E4.3.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					4
4-methyl-m-phenylenediamine	95-80-7	mg/kg	30	5	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	30	5	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND
Benzidine	92-87-5	mg/kg	30	5	ND
o-Toluidine	95-53-4	mg/kg	30	5	ND
5-Nitro-o-toluidine (Note 1)	99-55-8	mg/kg	30	5	ND
4-methoxy-m-phenylenediamine	615-05-4	mg/kg	30	5	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	30	5	ND
o-Aminoazotoluene (Note 1)	97-56-3	mg/kg	30	5	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND
n.d.3,3'-Dimethoxybenzidine	119-93-7	mg/kg	30	5	ND
4-Amino-azobenzene (Note 2)	60-09-3	mg/kg	30	5	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND

Remarks:

Note 1: The CAS-numbers 97-56-3 and 99-55-8 are further reduced to CAS-numbers 95-53-4 and 95-80-7.

Note 2: 4-Amino-azobenzene(CAS No.:60-09-3) is reduced to aniline and 1,4-phenylenediamine.

MDL = method detection limit ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Colour Fastness to Rubbing

DIN EN ISO105-X12:2016

	(4)	Requirement:
Lengthwise Dry Colour Stain	4-5	Grade 2-3
Lengthwise Wet Colour Stain	4-5	Grade 2-3
Widthwise Dry Colour Stain	/	Grade 2-3
Widthwise Wet Colour Stain	/	Grade 2-3

Grey Scale for Assessing Colour Change/Staining

Grade 5 Negligible or no change/staining

Grade 4 Slightly changed/stained

Grade 3 Noticeably changed/stained

Grade 2 Considerably changed/stained

Grade 1 Much changed/stained

Overall Migration

Test Request: To determine the Overall Migration for compliance with Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Regulation (EU) No 10/2011 and its amendments relating to plastic materials and articles intended to come into contact with foodstuffs.

Test Method: According to appropriate method of EN1186-3:2022 method 1a, method 2, method 5 for evaporable simulants, EN 1186-2:2022 method 1 for fatty food simulants.

Simulant Used	Time	Temperature	Unit	Limit	Result		
					1		
					1 st	2 nd	3 rd
3% Acetic Acid	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
10% Ethanol	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
50% Ethanol	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
Oil	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0

Remark:

mg/dm²= milligram per square decimeter

Analytical tolerance of evaporable simulants is 2 mg/dm²

Analytical tolerance of fatty food simulant (olive oil) is 3 mg/dm²

Test condition & simulant were specified by client.

TO BE CONTINUED

Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

Building 1, No. 105, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

Tel: (86) 21-2350 9600

No.331, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

E-mail: info.shmts@cpt.eurofinscn.com

Website: www.eurofins.cn

TEST RESULT

Overall Migration

Test Request: In accordance with Council of Europe Resolution ResAP (2004) 5.

Test Method: According to appropriate method of EN1186-3:2022 method 1a, method 2, method 5 for evaporable simulants, EN 1186-2:2022 method 1 for fatty food simulants.

Simulant Used	Time	Temperature	Unit	Limit	Result		
					2		
					1 st	2 nd	3 rd
3% Acetic Acid	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
10% Ethanol	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
50% Ethanol	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
Oil	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0

Remark:

mg/dm²= milligram per square decimeter

Analytical tolerance of evaporable simulants is 2 mg/dm²

Analytical tolerance of fatty food simulant (olive oil) is 3 mg/dm²

Test condition & simulant were specified by client.

Overall Migration

Test Request: To determine the Overall Migration for compliance with French Décret 2007-766 with its amendments and Fiche MCDA n°3 (V03-09/09/2021) Organic materials made of synthetic material.

Test Method: According to appropriate method of EN1186-3:2022 method 1a, method 2, method 5 for evaporable simulants, EN 1186-2:2022 method 1 for fatty food simulants.

Simulant Used	Time	Temperature	Unit	Limit	Result		
					1		
					1 st	2 nd	3 rd
3% Acetic Acid	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
10% Ethanol	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
50% Ethanol	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
Oil	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0

Remark:

mg/dm²= milligram per square decimeter

Analytical tolerance of evaporable simulants is 2 mg/dm²

Analytical tolerance of fatty food simulant (olive oil) is 3 mg/dm²

Test condition & simulant were specified by client.

TO BE CONTINUED

Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

Building 1, No. 105, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

Tel: (86) 21-2350 9600

No.331, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

E-mail: info.shmts@cpt.eurofinscn.com

Website: www.eurofins.cn

TEST RESULT

Overall Migration

Test Request: To determine the Overall Migration for compliance with French Décret 2007-766 with its amendments and French Arrêté du 25 Novembre 1992.

Test Method: According to appropriate method of EN1186-3:2022 method 1a, method 2, method 5 for evaporable simulants, EN 1186-2:2022 method 1 for fatty food simulants.

Simulant Used	Time	Temperature	Unit	Limit	Result		
					2		
					1 st	2 nd	3 rd
3% Acetic Acid	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
10% Ethanol	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
50% Ethanol	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0
Oil	2h	70°C	mg/dm ²	10	<3.0	<3.0	<3.0

Remark:

mg/dm²= milligram per square decimeter

Analytical tolerance of evaporable simulants is 2 mg/dm²

Analytical tolerance of fatty food simulant (olive oil) is 3 mg/dm²

Test condition & simulant were specified by client.

Bisphenol A (BPA) Content

Test Request: To determine the Bisphenol A content compliance with Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Regulation (EU) No 10/2011 and its amendments (EU) 2024/3190 relating to plastic materials and articles intended to come into contact with foodstuffs.

Test Method: In house method, analysis was performed by LC-MS/MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result	
					1	2
Bisphenol A (BPA)	80-05-7	µg/kg	Not detected	1	ND	ND

Remarks:

µg/kg = microgram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

Building 1, No. 105, Guangzhong Road, Zhuanqiao, Minhang District, Shanghai, China

Tel: (86) 21-2350 9600

No.331, Guangzhong Road, Zhuanqiao, Minhang District, Shanghai, China

E-mail: info.shmts@cpt.eurofinscn.com

Website: www.eurofins.cn

TEST RESULT

Peroxide Value

Test Request: To determine the peroxide values for compliance with French Décret No. 2007-766 and its amendments, and French Arrêté du 25 Novembre 1992 for silicon materials. Test with reference to European pharmacopoeia 9.0-2.5.5.

Sample	Limit	Result
2	Absent	Absent

Volatile Organic Matter

Test Request: Volatile organic matter as specified in German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, BfR Recommendations XV for silicon rubber

Test Method: With reference to Bestimmung von flüchtigen Verbindungen in Bedarfsgegenständen aus Silikon (Version 02 stand: 09/2023)

Test Item(s)	Unit	Limit	MDL	Result
				2
Volatile Organic Matter	%	0.5	0.1	0.26

Remark:

% = percentage of weight by weight

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Specific Migration of Organotin (as tin)

Test Request: To determine the specific migration of organotin (as tin) for compliance with French Decree No. 2007-766 and its amendments, and French Arrêté du 25 Novembre 1992 for silicon materials.

Test Method: With reference to EN 13130-1:2004 for test preparation method, analysis was performed by ICP-MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70°C

Test Item(s)	Unit	Limit	MDL	Result		
				2		
				1 st	2 nd	3 rd
Tin (Sn)	mg/kg	0.1	0.01	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Migration of Primary Aromatic Amines

Test Request: Specific migration of primary aromatic amines as specified in Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Regulation (EU) No 10/2011 and its amendments.

Test Method: With reference to EN 13130-1:2004 for sample preparation, analysed by LC-MS/MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70°C

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					1		
					1 st	2 nd	3 rd
1,3-phenylenediamine	108-45-2	mg/kg	0.002	0.002	ND	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	0.002	0.002	ND	ND	ND
2-methoxy-5-methylaniline	120-71-8	mg/kg	0.002	0.002	ND	ND	ND
2-naphthylamine	91-59-8	mg/kg	0.002	0.002	ND	ND	ND
3,3-dichlorobenzidine	91-94-1	mg/kg	0.002	0.002	ND	ND	ND
3,3-dimethoxybenzidine	119-90-4	mg/kg	0.002	0.002	ND	ND	ND
3,3-dimethylbenzidine	119-93-7	mg/kg	0.002	0.002	ND	ND	ND
4,4-methylene-bis-(2-chloro-aniline)	101-14-4	mg/kg	0.002	0.002	ND	ND	ND
4,4-methylenedianiline	101-77-9	mg/kg	0.002	0.002	ND	ND	ND
4,4-methylenendi-o-toluidine	838-88-0	mg/kg	0.002	0.002	ND	ND	ND
4,4-oxydianiline	101-80-4	mg/kg	0.002	0.002	ND	ND	ND
4,4-thiodianiline	139-65-1	mg/kg	0.002	0.002	ND	ND	ND
4-amino-azobenzene	60-09-3	mg/kg	0.002	0.002	ND	ND	ND
4-aminobiphenyl	92-67-1	mg/kg	0.002	0.002	ND	ND	ND
4-chloroaniline	106-47-8	mg/kg	0.002	0.002	ND	ND	ND
4-chloro-o-toluidine	95-69-2	mg/kg	0.002	0.002	ND	ND	ND
4-methoxy-m-phenylenediamine	615-05-4	mg/kg	0.002	0.002	ND	ND	ND
4-methyl-m-phenylenediamine	95-80-7	mg/kg	0.002	0.002	ND	ND	ND
5-nitro-o-toluidine	99-55-8	mg/kg	0.002	0.002	ND	ND	ND
benzidine	92-87-5	mg/kg	0.002	0.002	ND	ND	ND
o-aminoazotoluene	97-56-3	mg/kg	0.002	0.002	ND	ND	ND
o-anisidine	90-04-0	mg/kg	0.002	0.002	ND	ND	ND
o-toluidine	95-53-4	mg/kg	0.002	0.002	ND	ND	ND
1,4-phenylenediamine	106-50-3	mg/kg	-	0.002	ND	ND	ND
2,4-dimethylaniline	95-68-1	mg/kg	-	0.002	ND	ND	ND
2,6-dimethylaniline	87-62-7	mg/kg	-	0.002	ND	ND	ND
aniline	62-53-3	mg/kg	-	0.002	ND	ND	ND
2,2'-methylenedianiline	6582-52-1	mg/kg	-	0.002	ND	ND	ND
2,4'-methylenedianiline	1208-52-2	mg/kg	-	0.002	ND	ND	ND
Total of other Primary Aromatic Amines	-	mg/kg	0.01	-	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Total of other primary aromatic amines are 1,4-phenylenediamine (CAS No.:106-50-3), 2,4-dimethylaniline (CAS No.:95-68-1), 2,6-dimethylaniline (CAS No.:87-62-7), aniline (CAS No.:62-53-3), 2,2'-methylenedianiline (CAS No.:6582-52-1), 2,4'-methylenedianiline (CAS No.:1208-52-2).

TO BE CONTINUED

Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

Building 1, No. 105, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

No.331, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

Tel: (86) 21-2350 9600

E-mail: info.shmts@cpt.eurofinscn.com

Website: www.eurofins.cn

TEST RESULT

Specific Migration of Primary Aromatic Amines

Test Request: Specific migration of primary aromatic amines as specified in French Décret 2007-766 with its amendments and Fiche MCDA n°3 (V03-09/09/2021) Organic materials made of synthetic material.

Test Method: With reference to EN 13130-1:2004 for sample preparation, analysed by LC-MS/MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70°C

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					1		
					1 st	2 nd	3 rd
1,3-phenylenediamine	108-45-2	mg/kg	0.002	0.002	ND	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	0.002	0.002	ND	ND	ND
2-methoxy-5-methylaniline	120-71-8	mg/kg	0.002	0.002	ND	ND	ND
2-naphthylamine	91-59-8	mg/kg	0.002	0.002	ND	ND	ND
3,3-dichlorobenzidine	91-94-1	mg/kg	0.002	0.002	ND	ND	ND
3,3-dimethoxybenzidine	119-90-4	mg/kg	0.002	0.002	ND	ND	ND
3,3-dimethylbenzidine	119-93-7	mg/kg	0.002	0.002	ND	ND	ND
4,4-methylene-bis-(2-chloro-aniline)	101-14-4	mg/kg	0.002	0.002	ND	ND	ND
4,4-methylenedianiline	101-77-9	mg/kg	0.002	0.002	ND	ND	ND
4,4-methylenendi-o-toluidine	838-88-0	mg/kg	0.002	0.002	ND	ND	ND
4,4-oxydianiline	101-80-4	mg/kg	0.002	0.002	ND	ND	ND
4,4-thiodianiline	139-65-1	mg/kg	0.002	0.002	ND	ND	ND
4-amino-azobenzene	60-09-3	mg/kg	0.002	0.002	ND	ND	ND
4-aminobiphenyl	92-67-1	mg/kg	0.002	0.002	ND	ND	ND
4-chloroaniline	106-47-8	mg/kg	0.002	0.002	ND	ND	ND
4-chloro-o-toluidine	95-69-2	mg/kg	0.002	0.002	ND	ND	ND
4-methoxy-m-phenylenediamine	615-05-4	mg/kg	0.002	0.002	ND	ND	ND
4-methyl-m-phenylenediamine	95-80-7	mg/kg	0.002	0.002	ND	ND	ND
5-nitro-o-toluidine	99-55-8	mg/kg	0.002	0.002	ND	ND	ND
benzidine	92-87-5	mg/kg	0.002	0.002	ND	ND	ND
o-aminoazotoluene	97-56-3	mg/kg	0.002	0.002	ND	ND	ND
o-anisidine	90-04-0	mg/kg	0.002	0.002	ND	ND	ND
o-toluidine	95-53-4	mg/kg	0.002	0.002	ND	ND	ND
1,4-phenylenediamine	106-50-3	mg/kg	-	0.002	ND	ND	ND
2,4-dimethylaniline	95-68-1	mg/kg	-	0.002	ND	ND	ND
2,6-dimethylaniline	87-62-7	mg/kg	-	0.002	ND	ND	ND
aniline	62-53-3	mg/kg	-	0.002	ND	ND	ND
2,2'-methylenedianiline	6582-52-1	mg/kg	-	0.002	ND	ND	ND
2,4'-methylenedianiline	1208-52-2	mg/kg	-	0.002	ND	ND	ND
Total of other Primary Aromatic Amines	-	mg/kg	0.01	-	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Total of other primary aromatic amines are 1,4-phenylenediamine (CAS No.:106-50-3),2,4-dimethylaniline(CAS No.:95-68-1), 2,6-dimethylaniline(CAS No.:87-62-7), aniline (CAS No.:62-53-3), 2,2'-methylenedianiline(CAS No.:6582-52-1), 2,4'-methylenedianiline(CAS No.:1208-52-2).

TO BE CONTINUED

Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

Building 1, No. 105, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

No.331, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

Tel: (86) 21-2350 9600

E-mail: info.shmts@cpt.eurofinscn.com

Website: www.eurofins.cn

TEST RESULT

Specific Migration of Heavy Metal

Test Request: Specific migration of heavy metal as specified in Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Regulation (EU) No 10/2011 and its amendments.

Test Method: With reference to EN 13130-1:2004 for test preparation method, analysis was performed by ICP-MS.

Simulant Used: 3% Acetic Acid

Test Condition: 2h at 70°C

Test Item(s)	Unit	Limit	MDL	Result		
				1		
				1 st	2 nd	3 rd
Barium (Ba)	mg/kg	1	0.25	ND	ND	ND
Cobalt (Co)	mg/kg	0.05	0.01	ND	ND	ND
Copper (Cu)	mg/kg	5	0.25	ND	ND	ND
Iron (Fe)	mg/kg	48	0.25	ND	ND	ND
Lithium (Li)	mg/kg	0.6	0.5	ND	ND	ND
Manganese (Mn)	mg/kg	0.6	0.05	ND	ND	ND
Zinc (Zn)	mg/kg	5	0.5	ND	ND	ND
Aluminium (Al)	mg/kg	1	0.1	ND	ND	ND
Nickel (Ni)	mg/kg	0.02	0.01	ND	ND	ND
Antimony (Sb)	mg/kg	0.04	0.01	ND	ND	ND
Arsenic (As)	mg/kg	ND	0.01	ND	ND	ND
Cadmium (Cd)	mg/kg	ND	0.002	ND	ND	ND
Chromium (Cr)	mg/kg	ND	0.01	ND	ND	ND
Europium (Eu)	mg/kg	-	0.01	ND	ND	ND
Gadolinium (Gd)	mg/kg	-	0.01	ND	ND	ND
Lanthanum (La)	mg/kg	-	0.01	ND	ND	ND
Terbium (Tb)	mg/kg	-	0.01	ND	ND	ND
Sum of lanthanide substances	mg/kg	0.05	-	ND	ND	ND
Lead (Pb)	mg/kg	ND	0.01	ND	ND	ND
Mercury (Hg)	mg/kg	ND	0.01	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Test condition & simulant were specified by client

TO BE CONTINUED

TEST RESULT

Specific Migration of Heavy Metal

Test Request: Specific migration of heavy metal as specified in accordance with French Décret 2007-766 with its amendments and Fiche MCDA n°3 (V03-09/09/2021) Organic materials made of synthetic material.

Test Method: With reference to EN 13130-1:2004 for test preparation method, analysis was performed by ICP-MS.

Simulant Used: 3% Acetic Acid

Test Condition: 2h at 70°C

Test Item(s)	Unit	Limit	MDL	Result		
				1		
				1 st	2 nd	3 rd
Barium (Ba)	mg/kg	1	0.25	ND	ND	ND
Cobalt (Co)	mg/kg	0.05	0.01	ND	ND	ND
Copper (Cu)	mg/kg	5	0.25	ND	ND	ND
Iron (Fe)	mg/kg	48	0.25	ND	ND	ND
Lithium (Li)	mg/kg	0.6	0.5	ND	ND	ND
Manganese (Mn)	mg/kg	0.6	0.05	ND	ND	ND
Zinc (Zn)	mg/kg	5	0.5	ND	ND	ND
Aluminium (Al)	mg/kg	1	0.1	ND	ND	ND
Nickel (Ni)	mg/kg	0.02	0.01	ND	ND	ND
Antimony (Sb)	mg/kg	0.04	0.01	ND	ND	ND
Arsenic (As)	mg/kg	ND	0.01	ND	ND	ND
Cadmium (Cd)	mg/kg	ND	0.002	ND	ND	ND
Chromium (Cr)	mg/kg	ND	0.01	ND	ND	ND
Europium (Eu)	mg/kg	-	0.01	ND	ND	ND
Gadolinium (Gd)	mg/kg	-	0.01	ND	ND	ND
Lanthanum (La)	mg/kg	-	0.01	ND	ND	ND
Terbium (Tb)	mg/kg	-	0.01	ND	ND	ND
Sum of lanthanide substances	mg/kg	0.05	-	ND	ND	ND
Lead (Pb)	mg/kg	ND	0.01	ND	ND	ND
Mercury (Hg)	mg/kg	ND	0.01	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Test condition & simulant were specified by client

TO BE CONTINUED

Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

Building 1, No. 105, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

Tel: (86) 21-2350 9600

E-mail: info.shmts@cpt.eurofinscn.com

No.331, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

Website: www.eurofins.cn

TEST RESULT

Phthalates Content

Test Request: Phthalates content as specified in entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2018/2005.

Test Method: ISO 8124-6:2023, solvent extraction and quantification by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					1	2	3
Dibutylphthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND
Di-isobutyl phthalate (DiBP)	84-69-5	%	-	0.005	ND	ND	ND
Sum (DBP + BBP + DEHP + DiBP)	-	%	0.1	-	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND
Sum (DNOP + DINP + DIDP)	-	%	0.1	-	ND	ND	ND

Remarks:

MDL = method detection limit

ND = Not detected less than MDL

"-"= Not Regulated

TO BE CONTINUED

TEST RESULT

Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				1	2	3	4
Cadmium (Cd)	mg/kg	100	5	ND	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

Building 1, No. 105, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

Tel: (86) 21-2350 9600

E-mail: info.shmts@cpt.eurofinscn.com

No.331, Guangzhong Road, Zhuanqiao, Minhang
District, Shanghai, China

Website: www.eurofins.cn

TEST RESULT

Specific Migration of Heavy Metals(Ca, Mg, K, Na)

Test method : The concentration of the following elements is examined by ICP-MS/IC

Test condition :

Food simulant	Test duration/temperature
3% Acetic Acid	2 hours / 70°C

Testing Material No.		1			Detection limit
Parameter	Unit	Test result			
		Trial I	Trial II	Trial III	
Calcium(Ca)	mg/kg	N.D.	N.D.	N.D.	1
Magnesium(Mg)	mg/kg	N.D.	N.D.	N.D.	0.1
Potassium(K)	mg/kg	N.D.	N.D.	N.D.	0.1
Sodium(Na)	mg/kg	N.D.	N.D.	N.D.	1

Note: - 1 mg/kg = 1 ppm = 0.0001%

- °C = degree Celsius

- N.D. = Not Detected

The test item(s) was/were subcontracted to Eurofins internal lab.

Other Information / Remark:

- (1) The test condition was specified by applicant.
- (2) Food contact area to food simulant (S/V in dm²/ L): Material No. 1(6.0:1)

This test report is governed by the Terms and Conditions, available on request or accessible at <https://www.eurofins.cn/consumer-product-testing/general-terms/>. Attention is especially drawn to the limitations of liability, indemnification and jurisdictional provisions defined therein. This report is issued strictly based on the testing of the samples submitted by you. The test results in this report refer only to the sample(s) actually tested and do not refer or be deemed to refer to any bulk production from which such sample(s) may be said to have been obtained. In the event that Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd. ("ERF") was requested to survey and test any bulk production quantity of samples, ERF, in the absence of any contrary written instructions, performed random sampling of bulk production for testing purposes. Variations in the conditions under which samples are stored, transported, etc., may lead to variations in the test results. ERF cannot anticipate and shall not be held responsible for variations in test results that may be due to factors beyond ERF's control, such as, sample cross-contamination, evaporation of volatile substances due to storage temperature, humidity, etc. This report does not constitute a recommendation, actual or implied, for any specific course of action. Other than the expressed warranties made in the Terms and Conditions of the ERF Test Request Form, ERF makes no warranties or representations either express or implied with respect to this report. In no circumstances whatsoever shall ERF be liable for any consequential, special or incidental damages arising out of, or in connection with, this report. This document shall not be reproduced except in full unless prior written authorization from ERF has been attained. Unless otherwise stated from the customer, regulation or the standard specification, Eurofins will apply it in accordance with ILAC G8:09/2019 (binary statement for simple acceptance rule) and shared risk decision rule. If you happen to have any complaints, please do it by sending email to info.shmts@cpt.eurofinscn.com and referring to this report number. As per regulation of China Metrology Accreditation (CMA), a report without CMA accreditation logo will not serve as testimonial to the public for the purpose defined by CMA regulations.

END OF THE REPORT