TEST REPORT

APPLICANT	:	Mid Ocean Hong Kong Ltd.
ADDRESS	:	7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
SAMPLE DESCRIPTION	:	Muti-function foldable table
MODEL NO.	:	MO2227
SAMPLE RECEIVED DATE	:	10-July-2024
TURN AROUND TIME	:	10-July-2024 to 25-July-2024

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
Overall Migration for Plastic	LFGB Section 30 and 31	Pass
Overall Migration for TPE	Resolution ResAP(2004) 4	Pass
Bisphenol A (BPA) Content	EPA 3550C:2007, EPA 8321B:2007	Pass
Specific Migration of Primary Aromatic Amines	LFGB Section 30 and 31	Pass
Specific Migration of Heavy Metals	Regulation (EU) No 10/2011 and its amendments	Pass
Specific Migration of Heavy Metals(Ca, Mg, K, Na)	In House Test Method	Pass

Eurofins（Shanghai）contact information
Customer service: SunnyZhang@eurofins.com/ +86 216 1819 181
Sales specialist: Jack.Zhang@cpt.eurofinscn.com/ +86 216 1819 181

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

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

Joyce Liu
Operation Director

TEST SAMPLE PHOTO(S)

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TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	White PP basket	A
2	Dark grey TPE basket	A
3		

TEST RESULT

Overall Migration for Plastic

Test Request: To determine the Overall Migration for compliance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation and Commission Regulation (EU) No 10/2011 and its amendments.

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		
					1st	2nd	3rd
3% Acetic Acid	2h	70° C	mg/dm²	10	<3.0	<3.0	<3.0
50% Ethanol	2h	70° C	mg/dm²	10	<3.0	<3.0	<3.0
Oil	2h	70° C	mg/dm²	10	<3.0	<3.0	<3.0

Simulant Used	Time	Temperature	Unit	Limit	Result 2		
					1st	2nd	3rd
3% Acetic Acid	2h	70° C	mg/dm²	10	<3.0	<3.0	<3.0
50% Ethanol	2h	70° C	mg/dm²	10	<3.0	<3.0	<3.0
Oil	2h	70° C	mg/dm²	10	<3.0	<3.0	<3.0

Overall Migration for TPE

Test Request: Overall migration as specified in Resolution ResAP (2004) 4 on rubber products intended to come. into contact with foodstuffs.

Test Method: Refer 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		
					1st	2nd	3rd
3% Acetic Acid	2h	70° C	mg/kg	60	<20	<20	<20
50% Ethanol	2h	70° C	mg/kg	60	<20	<20	<20
Oil	2h	70° C	mg/kg	60	<20	<20	<20

Simulant Used	Time	Temperature	Unit	Limit	Result 2		
					1st	2nd	3rd
3% Acetic Acid	2h	70° C	mg/kg	60	<20	<20	<20
50% Ethanol	2h	70° C	mg/kg	60	<20	<20	<20
Oil	2h	70° C	mg/kg	60	<20	<20	<20

Remark:

mg/kg= milligram per kilogram
Analytical tolerance of evaporable simulants is 12 mg/kg
Analytical tolerance of fatty food simulants is 20 mg/kg
Test condition & simulant were specified by client.

TEST RESULT

Bisphenol A (BPA) Content

Test Request: Bisphenol A content as per client's request.

Test Method: With reference to EPA 3550C:2007, EPA 8321B:2007, analysis was performed by LC-MS.

Test Item(s)	CAS No.	Unit	MDL	Result
				1
Bisphenol A	80-05-7	mg/kg	0.1	ND

Test Item(s)	CAS No.	Unit	MDL	Result
				2
Bisphenol A	80-05-7	mg/kg	0.1	ND

Remarks:

mg/kg = milligram per kilogram
MDL = method detection limit
ND = Not detected, less than MDL

TEST RESULT

Specific Migration of Primary Aromatic Amines

Test Request: Specific migration of primary aromatic amines as specified in German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, and BfR recommendation.

Test Method: With reference to EN 13130-1:2004 for sample preparation, analysis was performed by UV-VIS and LC-MS/MS.

Simulant Used: 3% Acetic Acid

Test Condition: 2h at 70° C

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					1		
					1st	2nd	3rd
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
Total of other Primary Aromatic Amines	-	mg/kg	0.01	0.01	ND	ND	ND

Remark:

mg/kg = milligram per kilogram
MDL = method detection limit
ND = Not detected, less than MDL

TEST RESULT

Specific Migration of Heavy Metals

Test method : The concentration of the following elements is examined by means of inductively coupled plasma mass spectroscopy.

Limit according to Regulation (EU) No 10/2011 and its amendments.

Test condition :

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

Testing Material No.		1			Detection limit	Limit
Parameter	Unit	Test result				
		Trial I	Trial II	Trial III		
Barium (Ba)	mg/kg	N.D.	N.D.	N.D.	0.1	1
Cobalt (Co)	mg/kg	N.D.	N.D.	N.D.	0.01	0.05
Copper (Cu)	mg/kg	N.D.	N.D.	N.D.	0.1	5
Iron (Fe)	mg/kg	N.D.	N.D.	N.D.	1	48
Lithium (Li)	mg/kg	N.D.	N.D.	N.D.	0.1	0.6
Manganese (Mn)	mg/kg	N.D.	N.D.	N.D.	0.1	0.6
Zinc (Zn)	mg/kg	N.D.	N.D.	N.D.	1	5
Aluminum (Al)	mg/kg	N.D.	N.D.	N.D.	0.1	1
Nickel (Ni)	mg/kg	N.D.	N.D.	N.D.	0.01	0.02
Arsenic (As)	mg/kg	N.D.	N.D.	N.D.	0.01	N.D
Antimony (Sb)	mg/kg	N.D.	N.D.	N.D.	0.01	0.04
Cadmium (Cd)	mg/kg	N.D.	N.D.	N.D.	0.002	N.D
Chromium (Cr)	mg/kg	N.D.	N.D.	N.D.	0.01	N.D
Europium (Eu)	mg/kg	N.D.	N.D.	N.D.	0.01	0.05
Gadolinium (Gd)	mg/kg	N.D.	N.D.	N.D.	0.01	
Lanthanum (La)	mg/kg	N.D.	N.D.	N.D.	0.01	
Terbium (Tb)	mg/kg	N.D.	N.D.	N.D.	0.01	
Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	0.01	N.D
Mercury (Hg)	mg/kg	N.D.	N.D.	N.D.	0.01	N.D

Note: - 1 mg/kg = 1 ppm = 0.0001%
- °C = degree Celsius
- N.D. = Not Detected
- The test condition and material were specified by applicant.
- The test item is tested in Eurofins Internal laboratory.

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
Kalium(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 condition and material were specified by applicant.
- The test item is tested in Eurofins Internal laboratory.

TEST REPORT

Applicant	:	Mid Ocean Hong Kong Ltd.
Address	:	7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, HongKong
Sample description	:	Muti-function foldable table
Item no.	:	MO2227
Sample received date	:	26-Nov-2024
Further information date	:	05-Dec-2024
Turn around time	:	26-Nov-2024 To 05-Dec-2024

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
Specific Release of Heavy Metals	European Directorate for the Quality of Medicines & Healthcare (EDQM)-Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition,2024)	Pass

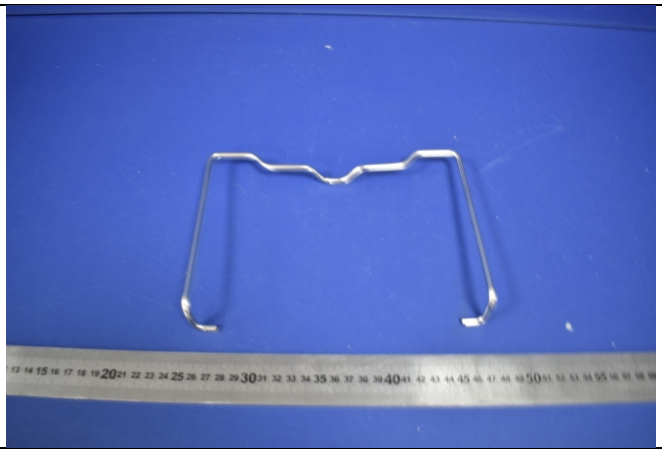
Eurofins（Shanghai）contact information
Customer service: Winnie.Dong@cpt.eurofinscn.com\
Sales specialist: Lily.Li@cpt.eurofinscn.com\

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

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

Vivian Gu
Lab Director SLTH

TEST SAMPLE PHOTO(S)



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TO BE CONTINUED

REFERENCE SAMPLE PHOTO(S)

The reference sample(s) has not been tested in current report, but according to customer´s request, the picture has also been included. For sample tested in current report, please refer to “Test sample photo”.

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Silver 304 stainless steel	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
Lead (Pb)	mg/kg	500	10	ND

Remark:
mg/kg = milligram per kilogram
MDL = method detection limit
ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Specific Release of Heavy Metals

Test Request: To determine specific release of heavy metals for compliance with European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition,2024).

Test Method: With reference to European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition,2024) for sample preparation and JRC Guidelines on testing conditions for kitchenware articles in contact with foodstuffs for test condition selection, analysis was performed by ICP-MS.

Simulant Used: 0.5% Citric acid

Test Condition: 2h at 70°C

Test Item(s)	Unit	MDL	Result			
			1			
			1st + 2nd Migration		3rd Migration	
			Result	7xSRL*2	Result	SRL*1
Aluminum (Al)	mg/kg	0.5	ND	35	ND	5
Antimony (Sb)	mg/kg	0.01	ND	0.28	ND	0.04
Chromium (Cr)	mg/kg	0.05	ND	7	ND	1
Cobalt (Co)	mg/kg	0.005	ND	0.14	ND	0.02
Copper (Cu)	mg/kg	0.5	ND	28	ND	4
Iron (Fe)	mg/kg	5	ND	280	ND	40
Manganese (Mn)	mg/kg	0.01	ND	3.85*4	ND	0.55*4
Molybdenum (Mo)	mg/kg	0.01	ND	0.84	ND	0.12
Nickel (Ni)	mg/kg	0.01	ND	0.98	ND	0.14
Silver (Ag)	mg/kg	0.01	ND	0.56	ND	0.08
Tin*3 (Sn)	mg/kg	5	ND	700	ND	100
Vanadium (V)	mg/kg	0.001	ND	0.07	ND	0.01
Zinc (Zn)	mg/kg	0.5	ND	35	ND	5
Arsenic (As)	mg/kg	0.0005	ND	0.014	ND	0.002
Barium (Ba)	mg/kg	0.1	ND	8.4	ND	1.2
Beryllium (Be)	mg/kg	0.001	ND	0.07	ND	0.01
Cadmium (Cd)	mg/kg	0.001	ND	0.035	ND	0.005
Lead (Pb)	mg/kg	0.001	ND	0.07	ND	0.01
Lithium (Li)	mg/kg	0.005	ND	0.336	ND	0.048
Mercury (Hg)	mg/kg	0.0005	ND	0.021	ND	0.003
Thallium (Tl)	mg/kg	0.0002	ND	0.007	ND	0.001
Zirconium(Zr)	mg/kg	0.1	ND	14	ND	2
Magnesium (Mg)	mg/kg	0.1	ND	-	ND	-
Titanium (Ti)	mg/kg	0.1	ND	-	ND	-

TO BE CONTINUED

TEST RESULT

Remark:

(1) mg/kg =milligram per kilogram
(2) MDL = method detection limit
(3) ND = not detected (<MDL)
(4) SRL = Specific Release Limit
(5) Test condition & simulant were specified by client.
(6) *1 Compliance is established on the result from the third migration test for repeated used articles.
(7) *2 Meantime, the sum of the results of the first and second tests should not exceed 7 times the SRL
(8) *3 Except in field of application under Commission Regulation (EU) 2023/915
(9) *4 SRL:0.07 mg/kg and 7xSRL:0.49 mg/kg particularly for materials and articles intended for contact with milk, milk products and other non-alcoholic drinks as well as any food especially intended for infants and toddlers; SRL:0.55 mg/kg and 7xSRL:3.85 mg/kg for the others.

END OF THE REPORT