

TEST REPORT

<u>APPLICANT</u>	: Mid Ocean Hong Kong Ltd.
<u>ADDRESS</u>	: 7/F, Kings Tower 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
<u>TEST SAMPLE DESCRIPTION</u>	: BAMBOO LUNCH BOX;
<u>REFERENCE SAMPLE DESCRIPTION</u>	: BAMBOO CUTTING BOARD
<u>TEST ITEM NO.</u>	: MO6377, MO6378
<u>REFERENCE ITEM NO.</u>	: MO6551, MO6488
<u>SAMPLE RECEIVED DATE</u>	: 05-Nov-2021
<u>TURN AROUND TIME</u>	: 05-Nov-2021 to 25-Nov-2021
<u>REVISED DATE</u>	: 10-Dec-2021

The reference sample(s) / item(s) has not been tested in current report, but according to applicant's request, the description / item number has also been included.

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
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Banned AZO Dyes	REACH Annex XVII, Entry 43	Pass
Formaldehyde Content	ISO 14184-1:2011	See Test Result
Colour Fastness to Washing	EN ISO 105-C06:2010	Pass
Moisture content test	Refer to ISO13061-1:2014+A12017	See Test Result
Formaldehyde Release	EN 717-3-1996	See Test Result
Phthalates Content	REACH Annex XVII, Entry 51 & 52	Pass
Colour Fastness to Rubbing	EN ISO 105-X12:2016	Pass

Note: This report cancels and supersedes report number EFSH21101244-CG-01+Rev 1 issued on Dec 02nd, 2021. Modification description: as per client's request, add Colour Fastness to Rubbing test for sample A in the revised report.

Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to info.sh@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint@eurofins.com and referring to this report number.

Eurofins (Shanghai) contact information**Customer service:** NicolaYang@eurofins.com/ 36202999**Sales specialist:** JackZhang@eurofins.com/ +86 216 1819 181

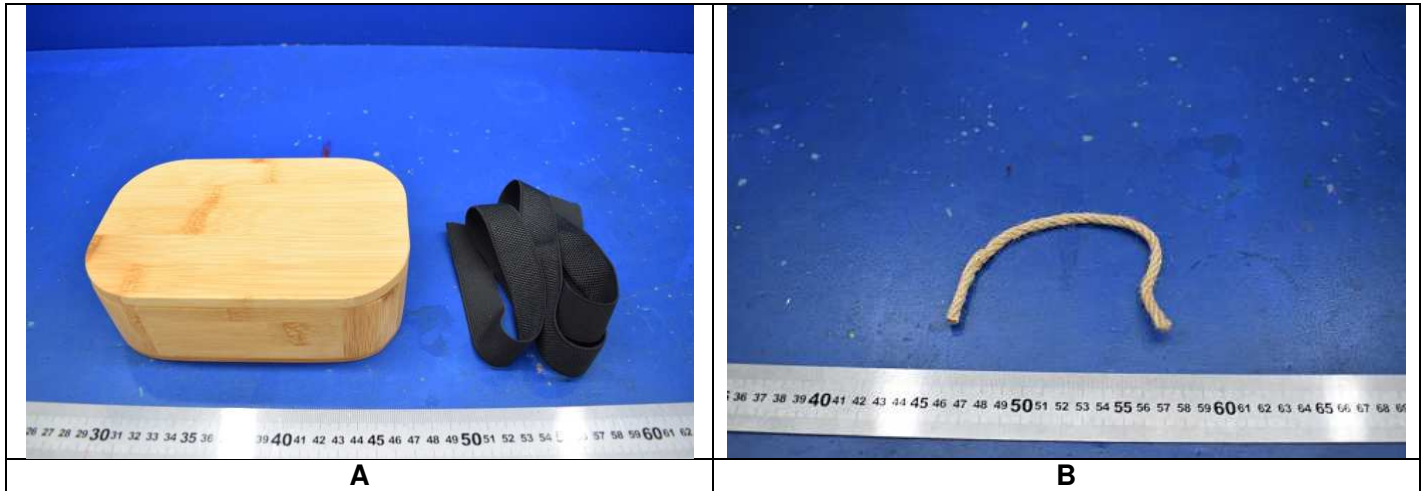
***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

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



Joyce Liu
Lab Manager

TEST SAMPLE PHOTO(S)



EFSH21101244-CG-01+Rev 2

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	Quote From	Sample No.
1	Natural color bamboo	/	A
2	Black elastic rubber of black elastic band	/	A
3	Black textile of black elastic band	/	A
4	Brown fiber	EFSH21101244-CG-01	B

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 and total lead content was determined by ICP-OES.

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

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

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
				2
Total Cadmium	mg/kg	100	5	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

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

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					3
4-methyl-m-phenylenediamine	95-80-7	mg/kg	30	5	ND
4-Amino-azobenzene (Note 2)	60-09-3	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'-Dimethybenzidine	119-93-7	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.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Formaldehyde Content

Test Method: ISO 14184-1:2011, free and hydrolyzed formaldehyde (water extraction method).

Test Item(s)	CAS No.	Unit	MDL	Result	
				3	4
Formaldehyde Content	50-00-0	mg/kg	16	ND	ND

Remarks:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Colour Fastness to Washing

EN ISO 105-C06:2010, Test No: A2S, modified, mechanical wash at 40°C in 0.4% ECE detergent and 0.1% sodium perborate solution with 10 steel balls

	A	Requirement:
Colour Change	4-5	Grade2-3
Cross/self staining	/	
Colour Staining on		
Acetate	4-5	Grade2-3
Bleached Cotton	4-5	Grade2-3
Polyamide	4	Grade2-3
Polyester	4-5	Grade2-3
Acrylic	4-5	Grade2-3
Wool	4-5	Grade2-3

The test was subcontracted to Eurofins Product Testing Service (Shanghai) Co., Ltd. Hangzhou Branch.

Grade 5	negligible or no change or staining
Grade 4	slightly changed or stained
Grade 3	noticeably changed or stained
Grade 2	considerably changed or stained
Grade 1	much changed or stained

Moisture Content Test

1) Test method: Refer to ISO13061-1:2014+A12017

2) Calculation:

$$W = \frac{m1 - m2}{m2} * 100$$

W is the moisture content

m1 is the mass, in grams, of the test piece before drying

m2 is the mass, in grams, of the test piece after drying

3) Test result: W= 8.1 %

Remark: The test was subcontracted to Eurofins Product Testing Service (Shanghai) Co., Ltd. Hangzhou Branch.

TO BE CONTINUED

TEST RESULT

Formaldehyde Release

Test Method: EN 717-3:1996, formaldehyde release was determined by UV-Visible Spectrophotometer (UV-Vis) analysis.

Test Item(s)	Unit	MDL	Result
			1
Formaldehyde Content	mg/kg	5	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

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: EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					4
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	-	-	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND
Sum of DNOP, DINP, DIDP	-	%	-	-	ND

Remarks:

MDL = method detection limit

ND = Not detected, less than MDL

"-" = Not Regulated

TO BE CONTINUED

TEST RESULT

Colour Fastness to Rubbing

EN ISO 105-X12:2016

	A	Client's Requirement
Lengthwise		
Dry	4-5	Grade 2-3
Wet	4-5	Grade 2-3

Remark:

The test was subcontracted to Eurofins Product Testing Service (Shanghai) Co., Ltd. Hangzhou Branch.

Grey Scale for Assessing Colour Change/Staining

Grade 5 negligible or no change or staining

Grade 4 slightly changed or stained

Grade 3 noticeably changed or stained

Grade 2 considerably changed or stained

Grade 1 much changed or stained

END OF THE REPORT