

# TEST REPORT

<b><u>APPLICANT</u></b>	: Mid Ocean Hong Kong Ltd.
<b><u>ADDRESS</u></b>	: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, HongKong
<b><u>SAMPLE DESCRIPTION</u></b>	: Set of 2 bamboo straw, SS brush in cotton brush
<b><u>MODEL NO.</u></b>	: MO9630
<b><u>VENDOR CODE</u></b>	: 111034
<b><u>SAMPLE RECEIVED DATE</u></b>	: 03-Apr-2023
<b><u>FURTHER INFORMATION DATE</u></b>	: 26-Dec-2023
<b><u>TURN AROUND TIME</u></b>	: 03-Apr-2023 to 26-Dec-2023

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

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Total Lead Content	REACH Annex XVII, Entry 63	Pass
Specific Migration of Formaldehyde	By reference to (EU) No 10/2011 and its amendments	Pass
Pentachlorophenol (PCP) Content	Regulation (EU) 2019/1021	Pass
Colour Fastness to Rubbing	EN ISO 105-X12:2016	Pass

*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](mailto: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](mailto:chinacomplaint@eurofins.com) and referring to this report number.*

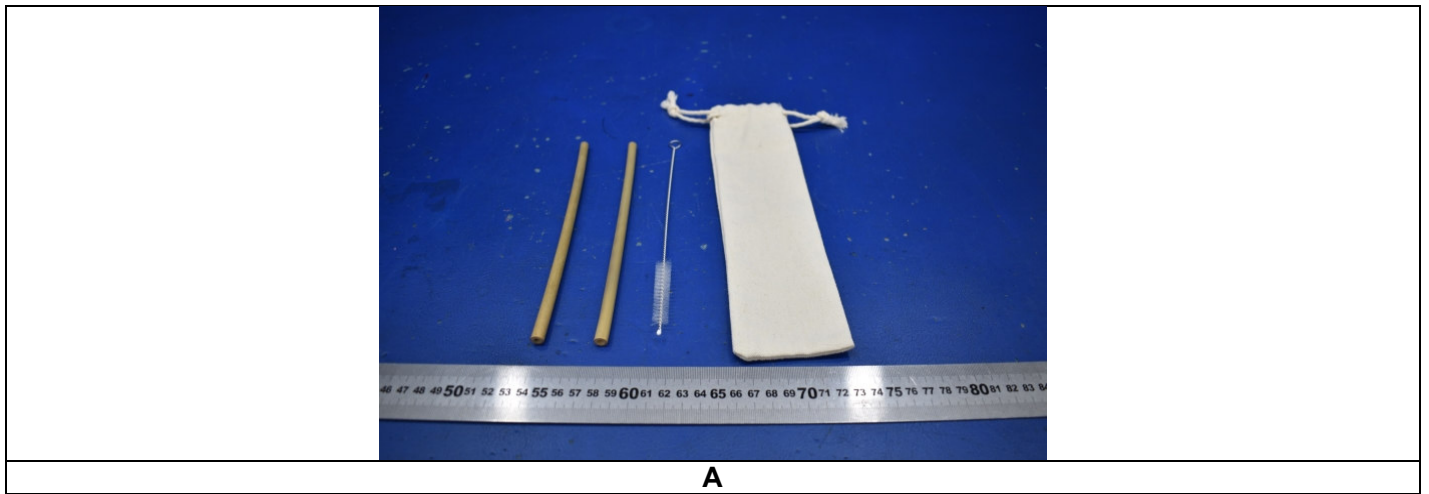


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\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd  
Conny Li  
Assistant Lab Manager

**SAMPLE PHOTO(S)**



A

**EFSH23033216-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT LIST

Component No.	Component	Sample No.
1	Beige fabric bag	A
2	Beige fabric rope	A
3	Natural color bamboo	A
4	Silver stainless steel	A
5	White plastic brush	A

\*\*\*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	5
Cadmium (Cd)	mg/kg	100	5	ND	ND	ND	15

**Remark:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

### 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	5
Lead (Pb)	mg/kg	500	10	ND	ND	ND	ND

**Remark:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Specific Migration of Formaldehyde

Test Request: In accordance with Regulation (EC) No 1935/2004, and by reference to Commission Regulation (EU) No 10/2011 and its amendments.  
 Test Method: With reference to Regulation (EU) No 10/2011 and its amendments for selection of test condition, and EN 13130-1:2004 for test preparation method, analysis was performed by UV-Vis/LC-MS.  
 Simulant Used: Acetic Acid 3%  
 Test Condition: 1h at 70° C

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					3		
					1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Formaldehyde	50-00-0	mg/kg	15	1	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.

### Pentachlorophenol (PCP) Content

Test Request: Pentachlorophenol and its salts and esters as specified in Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants as regards Annex I Part A.  
 Test Method: With reference to EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					3
Pentachlorophenol (PCP)	87-86-5	mg/kg	5	0.5	ND

#### Remarks:

As per client's request, only the appointed materials have been tested.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Colour Fastness to Rubbing

EN ISO 105-X12:2016.

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

### **Remark:**

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

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

\*\*\*END OF THE REPORT\*\*\*

# 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** : Set of 2 bamboo straw, SS brush in cotton brush

**MODEL NO.** : MO9630

**SAMPLE RECEIVED DATE** : 17-Jul-2024

**FURTHER INFORMATION DATE** : 25-Jul-2024

**TURN AROUND TIME** : 17-Jul-2024 To 26-Jul-2024

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

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Polycyclic Aromatic Hydrocarbons (PAHs)	REACH Annex XVII, Entry 50	Pass
Phthalates Content	REACH Annex XVII, Entry 51 & 52	Pass
Pentachlorophenol (PCP) Content	French DGCCRF Note Information No. 2012-93	Pass
Banned AZO Dyes	REACH Annex XVII, Entry 43	Pass

*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 MTS Consumer Product Testing (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@cpt.eurofinscn.com](mailto:info.sh@cpt.eurofinscn.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 MTS Consumer Product Testing (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [info.sh@cpt.eurofinscn.com](mailto:info.sh@cpt.eurofinscn.com) and referring to this report number.*



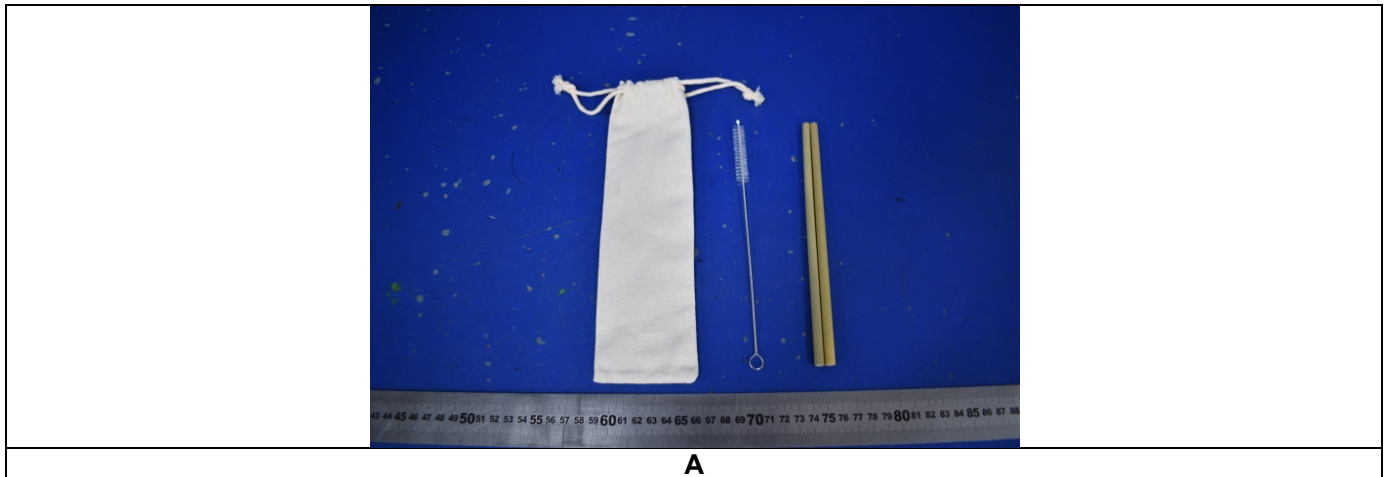


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\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

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

**SAMPLE PHOTO(S)**



**A**

**EFW524073558-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT LIST

Component No.	Component	Sample No.
1	White plastic brush	A
2	Beige fabric rope	A
3	Beige fabric	A
4	Natural color bamboo with olive yellow coating straw	A

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### 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
Benzo-(a)-anthracene	56-55-3	mg/kg	1	0.1	ND
Chrysene	218-01-9	mg/kg	1	0.1	ND
Benzo-(b)-fluoranthene	205-99-2	mg/kg	1	0.1	ND
Benzo-(j)-fluoranthene	205-82-3	mg/kg	1	0.1	ND
Benzo-(k)-fluoranthene	207-08-9	mg/kg	1	0.1	ND
Benzo-(a)-pyrene	50-32-8	mg/kg	1	0.1	ND
Dibenzo-(ah)-anthracene	53-70-3	mg/kg	1	0.1	ND
Benzo(e)pyrene	192-97-2	mg/kg	1	0.1	ND

#### Remarks:

As per client's request, only the appointed materials have been tested.

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
					1
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
Di-iso-butyl phthalate (DIBP)	84-69-5	%	-	0.005	ND
Sum of DEHP+DBP+BBP+DIBP	-	%	0.1	-	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 DINP + DIDP + DNOP	-	%	0.1	-	ND

### Remarks:

As per client's request, only the appointed materials have been tested.

MDL = method detection limit

ND = Not detected, less than MDL

"-"= Not Regulated

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Pentachlorophenol (PCP) Content

Test Request: Pentachlorophenol (PCP) content as specified in French Décret 2007-766 with amendments and French DGCCRF Note Information No. 2012-93.

Test Method: With reference to EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					4
Pentachlorophenol	87-86-5	mg/kg	0.15	0.05	ND

**Remarks:**

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, sampling procedure and sample preparation according to Annex E4.2 and Annex E4.3.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					2+3
2,4-Toluylendiamin	95-80-7	mg/kg	30	5	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND
3,3-Dimethyl-4,4-Diaminodiphenylmet	838-88-0	mg/kg	30	5	ND
4,4-Diaminodiphenylmethan	101-77-9	mg/kg	30	5	ND
4,4'-Oxydianilin	101-80-4	mg/kg	30	5	ND
4,4-Thiodianilin	139-65-1	mg/kg	30	5	ND
Benzidine	92-87-5	mg/kg	30	5	ND
o-Toluidin	95-53-4	mg/kg	30	5	ND
5-Nitro-o-toluidine	99-55-8	mg/kg	30	5	ND
2,4-Diaminoanisole	615-05-4	mg/kg	30	5	ND
4,4-Methylene-bis-2-chloroaniline	101-14-4	mg/kg	30	5	ND
o-Aminoazotoluene	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
3,3'-dimethylbenzidine	119-93-7	mg/kg	30	5	ND
4-aminoazobenzene	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:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

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

\*\*\*END OF THE REPORT\*\*\*