



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

TEST REPORT

Test Report Number : CNB3181019-02743-C-R1

**CTS (Ningbo) Testing Service Technology Co., Ltd.
Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China
PHONE +86-574-87912121 FAX +86-574-87907993**



TEST REPORT

REPORT No. : CNB3181019-02743-C-R1
 DATE : Apr. 2, 2019
 PAGE : 1 of 8

Table of contents

1	General Information	2
1.1	Application Details	2
1.2	Manufacturer & Buyer	2
1.3	Description of the Test Item	2
2	Test Results	3
2.1	General Information	3
	2.1.1 Sample Receiving Date	3
	2.1.2 Testing Period	3
	2.1.3 Test Requested	3
	2.1.4 Test Method	3
2.2	Results	4
	2.2.1 Lead Content	4
	2.2.2 Cadmium Content	4
	2.2.3 AZO Compounds Content	5
	2.2.4 Formaldehyde Content	6
	2.2.5 PCP Content	6
	2.2.6 Extractable Formaldehyde Content	6
	2.2.7 Colourfastness to Rubbing	7
3	Sample Reference Photo	8

The measurement results only apply to the submitted samples.
 Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

TEST REPORT

REPORT No. : CNB3181019-02743-C-R1
DATE : Apr. 2, 2019
PAGE : 2 of 8

1 General Information**1.1 Application Details**

Name : Mid Ocean Brands B.V.
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Contact : /
Telephone : +86-852-29982344
Fax : +86-852-29982305
Mobile telephone : /
Email : /

1.2 Manufacturer & Buyer

Manufacturer name : Mid Ocean Brands B.V.
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Contact : /
Telephone : +86-852-29982344
Fax : +86-852-29982305
Mobile telephone : /
Email : /
Buyer name : MID OCEAN HONGKONG LIMITED

1.3 Description of the Test Item

Sample name : Set of 2 bamboo straw, SS brush in cotton brush
Model No. : MO9630
Brand name : /
Condition of sample(s) : EFFECTIVE



TEST REPORT

REPORT No. : CNB3181019-02743-C-R1
DATE : Apr. 2, 2019
PAGE : 3 of 8

2 Test Results

2.1 General Information

2.1.1 Sample Receiving Date

Oct. 19, 2018 and Mar. 27, 2019

2.1.2 Testing Period

Oct. 19, 2018 to Apr. 2, 2019

2.1.3 Test Requested

Please refer to the following page(s)

2.1.4 Test Method

Please refer to the following page(s)

The measurement results only apply to the submitted samples.
Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

TEST REPORT

REPORT No. : CNB3181019-02743-C-R1
 DATE : Apr. 2, 2019
 PAGE : 4 of 8

2.2 Results

2.2.1 Lead Content

Test Item(s)	Test Method	Test Instrument	MDL
Lead (Pb)	US EPA3052	ICP-AES	2 mg/kg

Remark: MDL= Method Detection Limit

Sample Description		Result (mg/kg)	Limit (mg/kg)	Conclusion
		Lead (Pb)		
No.1	Beige cotton fabric (bag/rope)	N.D.	100	Pass
No.2	Bamboo straw (Sample Receiving Date: 2018.10.19)	N.D.	100	Pass
No.3	Silvery stainless steel	N.D.	100	Pass
No.4	White nylon	N.D.	100	Pass

- Note :
1. 1 mg/kg = 1 ppm = 0.0001%
 2. N.D. = not detected (less than 2 mg/kg)
 3. The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (formerly known as Directive 76/769/EEC).

2.2.2 Cadmium Content

With reference to EN1122:2001B

Sample Description		Result (mg/kg)	Limit (mg/kg)	Conclusion
		Cadmium (Cd)		
No.1	Beige cotton fabric (bag/rope)	N.D.	100	Pass
No.2	Bamboo straw (Sample Receiving Date: 2018.10.19)	N.D.	100	Pass
No.3	Silvery stainless steel	N.D.	100	Pass
No.4	White nylon	N.D.	100	Pass

- Note :
1. 1mg/kg=1ppm=0.0001%
 2. N.D. = not detected (less than 2 mg/kg)
 3. The limit refers to ANNEX XVII of the REACH Regulation (EC)

The measurement results only apply to the submitted samples.
 Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

TEST REPORT

REPORT No. : CNB3181019-02743-C-R1
 DATE : Apr. 2, 2019
 PAGE : 5 of 8

No.1907/2006 & Amendment No. 552/2009 (formerly known as
 Directive 91/338/EEC).

2.2.3 AZO Compounds Content

- 1) With reference to EN ISO 14362-1:2017, Analysis was performed by GC-MS.
 2) p-Aminoazobenzene: With reference to EN ISO 14362-3:2017, Analysis was performed by GC-MS.

Sample Description	Result (mg/kg)	Limit (mg/kg)	Conclusion
	AZO		
No.1 Beige cotton fabric (bag/rope)	N.D.	30	Pass

- Note : 1. N.D. = not detected (less than MDL)
 2. 1 mg/kg=1 ppm=0.0001%
 3. Method Detection Limit=5 mg/kg
 4. The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (formerly known as Directive 76/769/EEC and 2002/61/EC).
 5. List of prohibitive aromatic amines to be tested :

No.	Prohibitive Aromatic Amines	CAS NO.	No.	Prohibitive Aromatic Amines	CAS NO.
1	O-Toluidine	95-53-4	13	4-Aminobiphenyl	92-67-1
2	2,6-Xylidine	87-62-7	14	4-Aminoazobenzene	60-09-03
3	2,4-Xylidine	95-68-1	15	4,4'-oxydianiline	101-80-4
4	O-Anisidine	90-04-0	16	Benzidine	92-87-5
5	4-Chloroaniline	106-47-8	17	4,4'-methylenedianiline	101-77-9
6	P-Cresidine	120-71-8	18	O-Aminoazotoluene	97-56-3
7	2,4,5-Trimethylaniline	137-17-7	19	4,4'-methylenedi-o-toluidine	838-88-0
8	4-Chloro-o-toluidine	95-69-2	20	3,3'-Dimethylbenzidine	119-93-7
9	4-methyl-m-phenylenediamine	95-80-7	21	4,4'-Thiodianiline	139-65-1
10	4-methoxy-m-phenylenediamine	615-05-4	22	3,3'-Dichlorobenzidine	91-94-1
11	2-Naphthylamine	91-59-8	23	4,4'-Methylene-bis-(2-Chloro-aniline)	101-14-4
12	5-nitro-o-toluidine	99-55-8	24	3,3'-Dimethoxybenzidine	119-90-4

The measurement results only apply to the submitted samples.
 Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

TEST REPORT

REPORT No. : CNB3181019-02743-C-R1
 DATE : Apr. 2, 2019
 PAGE : 6 of 8

2.2.4 Formaldehyde Content

Test Item(s)	Test Method	Test Instrument	MDL
Formaldehyde	EN717-3	UV-Vis	2.0 mg/kg

Sample Description		Result (mg/kg)	Limit (mg/kg)	Conclusion
		Formaldehyde		
No.2	Bamboo straw (Sample Receiving Date: 2018.10.19)	N.D.	80	Pass

Note : 1. N.D. = not detected (less than MDL)
 2. 1mg/kg=1ppm=0.0001%

2.2.5 PCP Content

As per DIN EN ISO 17070-2015 Determination of phenols content, Analysis was performed by GC/MS.

Sample Description		Result (mg/kg)	MDL (mg/kg)	Conclusion
		Pentachlorophenol (PCP)		
No.2	Bamboo straw (Sample Receiving Date: 2018.10.19)	N.D.	0.05	Pass

Note : 1. MDL=Method Detection Limit
 2. N.D. = not detected, less than MDL.

2.2.6 Extractable Formaldehyde Content

In accordance with Regulation (EC) No. 1935/ 2004.

With reference to EN 1186-1 for selection of temperature and condition; With reference to EN 1186-9 for aqueous food simulants by article filling method. Analysis of the extractive was performed by colorimetric method.

Sample Description		Result (mg/kg)	Limit (mg/kg)	Conclusion
		Extractable Formaldehyde		
No.3	Bamboo straw (Sample Receiving Date: 2019.3.27)	<3	15	Pass

The measurement results only apply to the submitted samples.
 Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

TEST REPORT

REPORT No. : CNB3181019-02743-C-R1
 DATE : Apr. 2, 2019
 PAGE : 7 of 8

Note : 1. mg/kg =milligram per kilogram of foodstuff in contact with
 2. <=less than

2.2.7 Colourfastness to Rubbing

BS EN ISO 105-X12:2016

Test Items	Result		Limit# (Grade)
	No.1		
	Beige cotton fabric (bag/rope)		
Length			
Dry	4-5		2-3
Wet	4-5		2-3
Width			
Dry	4-5		2-3
Wet	4-5		2-3
Conclusion	Pass		-

Note : #=client's limit requirement

Colourfastness rating

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

Written by: *Jessie*

Inspected by: *Susei*

Approved by: *Jan*



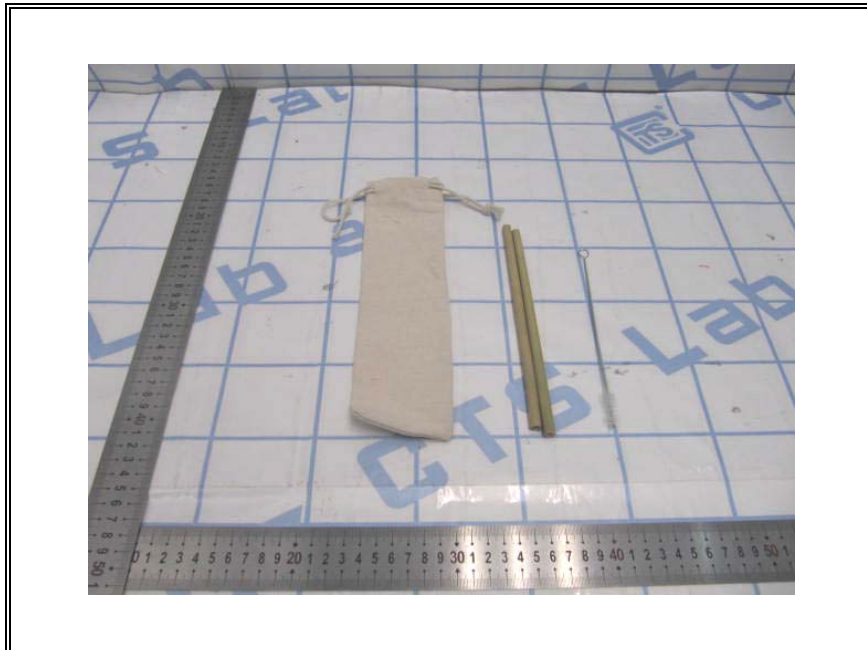
*** End of Report ***

The measurement results only apply to the submitted samples.
 Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

TEST REPORT

REPORT No. : CNB3181019-02743-C-R1
DATE : Apr. 2, 2019
PAGE : 8 of 8

3 Sample Reference Photo



The measurement results only apply to the submitted samples.
Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.