



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

TEST REPORT

Test Report Number : CNB3180927-02586-C

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**TEST REPORT**

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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 : Manual hand fan in wood
Model No. : MO9532
Brand name : /
Condition of sample(s) : EFFECTIVE



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2 Test Results

2.1 General Information

2.1.1 Sample Receiving Date

Sep. 27, 2018

2.1.2 Testing Period

Sep. 27, 2018 to Oct. 8, 2018

2.1.3 Test Requested

Please refer to the following page(s)

2.1.4 Test Method

Please refer to the following page(s)

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2.2 Results

2.2.1 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.

No.1	Sample Description	Result (mg/kg)	Limit (mg/kg)	Conclusion
		AZO		
	White fabric	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

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2.2.2 Lead Content

Test Item(s)	Test Method	Test Instrument	MDL
Lead (Pb)	US EPA3050B	ICP-AES	2 mg/kg

Remark: MDL= Method Detection Limit

Sample Description	Result (mg/kg)	Limit (mg/kg)	Conclusion
	Lead (Pb)		
No.1 White fabric	N.D.	100	Pass
No.2 Grass tree	N.D.	100	Pass
No.3 Iron cap	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).

2.2.3 Formaldehyde Content

Test Item(s)	Test Method	Test Instrument	MDL
Formaldehyde	ISO 14184-1:2011: Textiles -- Determination of formaldehyde -- Part 1: Free and hydrolized formaldehyde (water extraction method)	UV-Vis	5mg/kg

Sample Description	Result (mg/kg)	Limit (mg/kg)	Conclusion
	Formaldehyde		
No.1 White fabric	33	75	Pass

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 Grass tree	N.D.	80	Pass

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

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2.2.4 Nickel Release Content

With reference to EN 12472:2005+A1:2009 and EN 1811-2011+A1:2015, Analysis was performed by ICP-AES.

Sample Description	Unit	Result($\mu\text{g}/\text{cm}^2/\text{week}$)	Conclusion
		Nickel Release	
No.3 Iron cap	$\mu\text{g}/\text{cm}^2/\text{week}$	<0.1	Pass

Note : 1.

Type of sample	Nickel Release ($\mu\text{g}/\text{cm}^2/\text{week}$)	
	PASS	FAIL
Article with Nickel release limit of $0.5\mu\text{g}/\text{cm}^2/\text{week}$ (Non-body piercing)	<0.88	≥ 0.88
Article with Nickel release limit of $0.2\mu\text{g}/\text{cm}^2/\text{week}$ (Body piercing)	<0.35	≥ 0.35

2. The limit refers to ANNEX XVII Item 27 of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (formerly known as Directive 94/27/EC and 2004/96/EC).

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2.2.5 Colour Fastness to Rubbing

BS EN ISO 105-X12:2016

Test Items	Result	Requirements
	No.1	
	White fabric	
Length		
Dry	5	MIN. Grade 2-3
Wet	5	MIN. Grade 2
Width		
Dry	5	MIN. Grade 2-3
Wet	5	MIN. Grade 2
Conclusion	Pass	

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: *Suzei*

Approved by: *Jan*



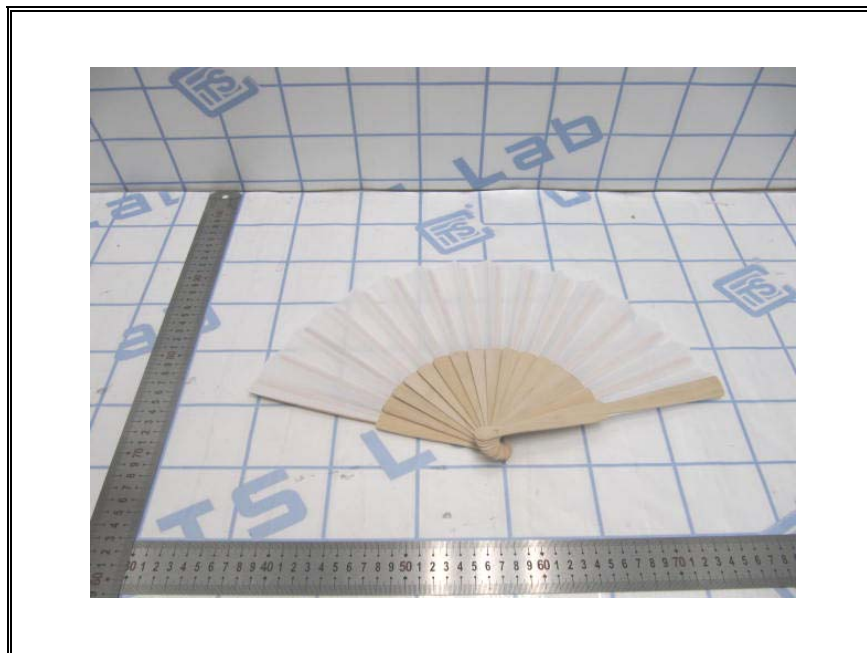
*** End of Report ***

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3 Sample Reference Photo



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The following photos were submitted and identified by the client, only for reference



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