



# TEST REPORT

Test Report # 17A-001660-1-E-S1 Date of Report Issue: June 16, 2017  
Date of Sample Received: June 7, 2017 Pages: Page 1 of 18

## CLIENT INFORMATION:

Company: Mid Ocean Brands B.V.  
Address: Unit 201, 2/F, Laford Centre, 838 Lai Chi Kok Road, Cheung Sha Wan, Kowloon, Hong Kong



## SAMPLE INFORMATION:

Product Name: Beach chair with neck pillow  
Model/style No.: IT2797,MO7676  
Main Material: -  
Buyer: Mid Ocean Brands B.V.  
Supplier: 100396  
Country of Distribution: EU  
Testing Period: 06/07/2017-06/09/2017,06/14/2017-06/16/2017

## OVERALL RESULT:

**PASS with information**

Refer to page 2 for test result summary and appropriate notes.

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The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.  
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# TEST REPORT

Test Report # 17A-001660-1-E-S1 Date of Report Issue: June 16, 2017  
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## TEST RESULTS SUMMARY:

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	<sup>+</sup> Regulation (EC) No. 1907/2006 REACH Annex XVII as Amended by Commission Regulation (EC) No. 835/2012, Item 23 Cadmium
PASS	<sup>+</sup> Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)
DATA	Colour Fastness to Rubbing

Remark: <sup>+</sup>Revised information and supersedes the previous report no. 17A-001660-1-E date: 06/09/2017



**DETAILED RESULTS:**

**\*Regulation (EC) No. 1907/2006 REACH Annex XVII as Amended by Commission Regulation (EC) No. 835/2012, Item 23 Cadmium**

Test Method: EN 1122:2001 Method B

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.		1	2	4	5	Limit (mg/kg)
Test Item		Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	Trial 1	ND	ND	ND	ND	
	Trial 2	ND	ND	ND	ND	
	Mean	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

Specimen No.		6	7	8	15	Limit (mg/kg)
Test Item		Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	Trial 1	ND	ND	ND	ND	
	Trial 2	ND	ND	ND	ND	
	Mean	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

Specimen No.		17	18	19	-	Limit (mg/kg)
Test Item		Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	Trial 1	ND	ND	ND	-	
	Trial 2	ND	ND	ND	-	
	Mean	ND	ND	ND	-	<b>100</b>
<b>Conclusion</b>		PASS	PASS	PASS	-	

**Note:**

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

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**DETAILED RESULTS:**

**\*Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials**

Test Method: CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	4	5	6	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	ND	54	<b>500</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	7	9	10	11	15	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	24	ND	ND	ND	65	<b>500</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16	17	18	19	-	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	ND	-	<b>500</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	-	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)





**DETAILED RESULTS:**

**Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E-1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	8	-	-	-	-	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	-	-	-	-	<b>500</b>
<b>Conclusion</b>	PASS	-	-	-	-	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)



**DETAILED RESULTS:****Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles**

Test Method: EN 14362-1:2012  
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	3	12	13	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	ND	ND	ND	30
Benzidine	92-87-5	ND	ND	ND	ND	30
4-chloro-o-toluidine	95-69-2	ND	ND	ND	ND	30
2-naphtylamine	91-59-8	ND	ND	ND	ND	30
2-Amino-4-Nitrotoluene	97-56-3	ND	ND	ND	ND	30
5-nitro-o-toluidine	99-55-8	ND	ND	ND	ND	30
4-chloroaniline	106-47-8	ND	ND	ND	ND	30
4 methoxy-m - phenylenediamine	615-05-4	ND	ND	ND	ND	30
4,4'-diaminodiphenyl methane	101-77-9	ND	ND	ND	ND	30
3,3'-dichlorobenzidine	91-94-1	ND	ND	ND	ND	30
3,3'-dimethoxybenzidine	119-90-4	ND	ND	ND	ND	30
3,3'-dimethylbenzidine	119-93-7	ND	ND	ND	ND	30
3,3'-dimethyl-4,4'-diaminodiphenyl methane	838-88-0	ND	ND	ND	ND	30
p-cresidine	120-71-8	ND	ND	ND	ND	30
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	ND	ND	ND	30
4,4'-oxydianiline	101-80-4	ND	ND	ND	ND	30
4,4'-thiodianiline	139-65-1	ND	ND	ND	ND	30
o-toluidine	95-53-4	ND	ND	ND	ND	30
2,4-toluylenediamine	95-80-7	ND	ND	ND	ND	30
2,4,5-trimethylaniline	137-17-7	ND	ND	ND	ND	30
2-methoxyaniline	90-04-0	ND	ND	ND	ND	30
4-aminoazobenzene	60-09-3	ND	ND	ND	ND	30
<b>Conclusion</b>		PASS	PASS	PASS	PASS	





*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

*Remark:*

In the case of levels per amine component less than or equal to 30 mg/kg, according to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected in the commodity submitted.



**DETAILED RESULTS:****Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles**

Test Method: EN 14362-1:2012  
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	14	17	-	-	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	ND	-	30
Benzidine	92-87-5	ND	ND	-	30
4-chloro-o-toluidine	95-69-2	ND	ND	-	30
2-naphthylamine	91-59-8	ND	ND	-	30
2-Amino-4-Nitrotoluene	97-56-3	ND	ND	-	30
5-nitro-o-toluidine	99-55-8	ND	ND	-	30
4-chloroaniline	106-47-8	ND	ND	-	30
4 methoxy-m -phenylenediamine	615-05-4	ND	ND	-	30
4,4'-diaminodiphenyl methane	101-77-9	ND	ND	-	30
3,3'-dichlorobenzidine	91-94-1	ND	ND	-	30
3,3'-dimethoxybenzidine	119-90-4	ND	ND	-	30
3,3'-dimethylbenzidine	119-93-7	ND	ND	-	30
3,3'-dimethyl-4,4'-diaminodiphenyl methane	838-88-0	ND	ND	-	30
p-cresidine	120-71-8	ND	ND	-	30
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	ND	-	30
4,4'-oxydianiline	101-80-4	ND	ND	-	30
4,4'-thiodianiline	139-65-1	ND	ND	-	30
o-toluidine	95-53-4	ND	ND	-	30
2,4-toluylenediamine	95-80-7	ND	ND	-	30
2,4,5-trimethylaniline	137-17-7	ND	ND	-	30
2-methoxyaniline	90-04-0	ND	ND	-	30
4-aminoazobenzene	60-09-3	ND	ND	-	30
<b>Conclusion</b>		PASS	PASS	-	







*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

*Remark:*

In the case of levels per amine component less than or equal to 30 mg/kg, according to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected in the commodity submitted.



**DETAILED RESULTS:****Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	6	7	15	Limit (% m/m)
Test Item	CAS No.	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	0.047	
Sum of DBP, BBP, DEHP		ND	ND	ND	0.047	<b>0.1</b>
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	
Sum of DnOP, DINP, DIDP		ND	ND	ND	ND	<b>0.1</b>
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

**Note:**

% m/m = Percent by mass

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % m/m)



**DETAILED RESULTS:****Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	17	-	-	-	Limit (% m/m)
Test Item	CAS No.	Result (% m/m)	Result (% m/m)	Result (% m/m)	
Dibutyl phthalate (DBP)	84-74-2	ND	-	-	
Benzyl butyl phthalate (BBP)	85-68-7	ND	-	-	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	-	-	
Sum of DBP, BBP, DEHP		ND	-	-	<b>0.1</b>
Di-n-octyl phthalate (DnOP)	117-84-0	ND	-	-	
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	-	-	
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	-	-	
Sum of DnOP, DINP, DIDP		ND	-	-	<b>0.1</b>
<b>Conclusion</b>		PASS	-	-	

**Note:**

% m/m = Percent by mass

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % m/m)





**DETAILED RESULTS:**

**Colour Fastness to Rubbing**

Test Method: ISO 105-X12: 2016; Size of rubbing finger: 16mm dia.

Specimen No.	1		
Items	Client's requirement	Result (Grade)	Conclusion
Dry staining	N/A	4-5	DATA
Wet staining	N/A	4-5	

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.





**DETAILED RESULTS:**

**Colour Fastness to Rubbing**

Test Method: ISO 105-X12: 2016; Size of rubbing finger: 16mm dia.

Specimen No.	12		
Items	Client's requirement	Result (Grade)	Conclusion
Dry staining	N/A	4-5	DATA
Wet staining	N/A	4-5	

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.





**DETAILED RESULTS:**

**Colour Fastness to Rubbing**

Test Method: ISO 105-X12: 2016; Size of rubbing finger: 16mm dia.

Specimen No.	17		
Items	Client's requirement	Result (Grade)	Conclusion
Dry staining	N/A	4-5	DATA
Wet staining	N/A	4-5	

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.



**SPECIMEN DESCRIPTION:**

Sample No.	Specimen Description	Location
1	Purple main fabric	Purple beach chair
2	White mesh plastic	Purple beach chair
3	Light grey fabric	Edge
4	Loop	White velcro
5	White label	Beach chair
6	Black soft plastic	Gasket
7	Black hard plastic	Connecting bracket
8	White coating	Bracket
9	Substrate metal	Bracket
10	Silver metal	Screw
11	Silver metal	Gasket
12	Purple fabric	Packaging bag
13	Black rope	Packaging bag
14	Black woven fabric	Packaging bag
15	Black plastic	Buckle
16	Silver metal	Spring
17	Yellow main fabric	Yellow beach chair
18	White sponge	Filling
19	Hook	White Velcro





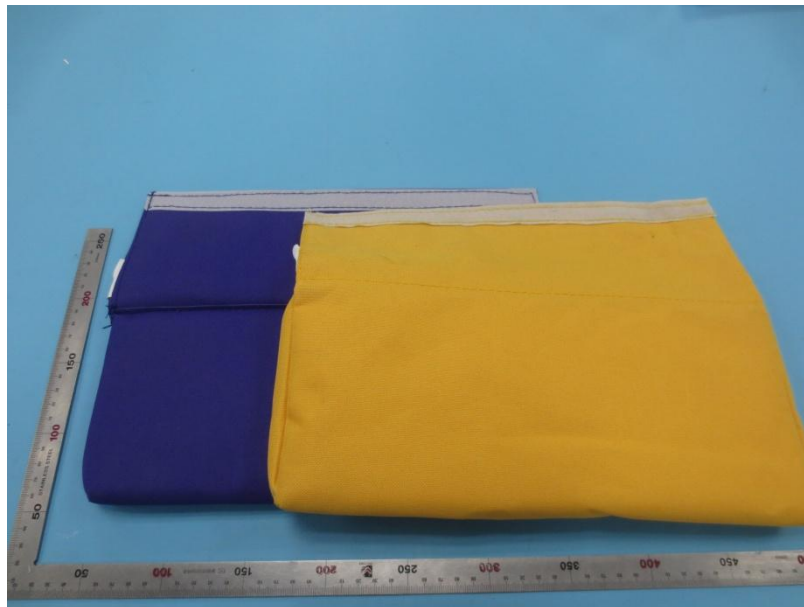
**SAMPLE PHOTO:**







**SAMPLE PHOTO:**





**PRODUCT PHOTO:**

Not be tested, just for photo



-End Report-

