



TEST REPORT

Test Report # 18A-005867-2 Date of Report Issue: December 14, 2018
Date of Sample Received: December 4, 2018 Pages: Page 1 of 17

CLIENT INFORMATION:

Company: Mid Ocean Brands B.V.
Address: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong



SAMPLE INFORMATION:

Product Name: Foldable beach Chair
Model/style No.: KC6382
Main Material: Polyester
Buyer: Mid Ocean Brands B.V.
Supplier: 100396
Country of Distribution: Europe
Testing Period: 12/05/2018-12/14/2018

OVERALL RESULT:

PASS

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

HANGZHOU ASIAINSPECTION
TESTING TECHNOLOGY CO., LTD

Kevin Lee
Technical Manager





TEST REPORT

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TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
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 63 Lead in Substrate Materials
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials
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)
PASS	Client's Requirement, Phthalates content
PASS	Colour Fastness to Rubbing

Remark: Test results are transferred from test report no. 18A-005867-1 date: 12/11/2018





DETAILED RESULTS:

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

Test Method: CPSC-CH-E1003-09.1

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	---	---	---	---	500
Conclusion	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 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.	7	9	3+10+11	---	---	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	19	---	---	500
Conclusion	PASS	PASS	PASS	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

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

Composite results are based on specimen of least mass resulting in highest potential concentration.



**DETAILED RESULTS:****Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings**

Test Method: ASTM F963-17 Clause 8.3.1

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 Cadmium (Cd)	ND	---	---	---	---	100
Conclusion	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 23 Cadmium in Substrate Materials

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	9	3+10+11	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	ND	ND	---	---	100
Conclusion	PASS	PASS	PASS	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

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

Composite results are based on specimen of least mass resulting in highest potential concentration.



**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+5	2+6	4+12	---	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	---	30
Benzidine	92-87-5	ND	ND	ND	---	30
4-chloro-o-toluidine	95-69-2	ND	ND	ND	---	30
2-naphthylamine	91-59-8	ND	ND	ND	---	30
2-Amino-4-Nitrotoluene	97-56-3	ND	ND	ND	---	30
5-nitro-o-toluidine	99-55-8	ND	ND	ND	---	30
4-chloroaniline	106-47-8	ND	ND	ND	---	30
4 methoxy-m -phenylenediamine	615-05-4	ND	ND	ND	---	30
4,4'-diaminodiphenyl methane	101-77-9	ND	ND	ND	---	30
3,3'-dichlorobenzidine	91-94-1	ND	ND	ND	---	30
3,3'-dimethoxybenzidine	119-90-4	ND	ND	ND	---	30
3,3'-dimethylbenzidine	119-93-7	ND	ND	ND	---	30
3,3'-dimethyl-4,4'-diaminodiphenyl methane	838-88-0	ND	ND	ND	---	30
p-cresidine	120-71-8	ND	ND	ND	---	30
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	ND	ND	---	30
4,4'-oxydianiline	101-80-4	ND	ND	ND	---	30
4,4'-thiodianiline	139-65-1	ND	ND	ND	---	30
o-toluidine	95-53-4	ND	ND	ND	---	30
2,4-toluylenediamine	95-80-7	ND	ND	ND	---	30
2,4,5-trimethylaniline	137-17-7	ND	ND	ND	---	30
2-methoxyaniline	90-04-0	ND	ND	ND	---	30
4-aminoazobenzene	60-09-3	ND	ND	ND	---	30
Conclusion		PASS	PASS	PASS	---	





Note:

mg/kg = Milligrams per kilogram

LT = Less than

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

Composite results are based on total mass of the composite test portion.

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-C1001-09.4

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		3	5	8	10	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	0.094	ND	ND	0.054	
Sum of DBP, BBP, DEHP		0.094	ND	ND	0.054	0.1
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	0.027	ND	ND	0.026	
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	
Sum of DnOP, DINP, DIDP		0.027	ND	ND	0.026	0.1
Conclusion		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-C1001-09.4

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	11	---	---	---	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	---	---	0.1
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	---	---	0.1
Conclusion		PASS	---	---	

Note:

% m/m = Percent by mass

LT = Less than

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



**DETAILED RESULTS:****Client's Requirement, Phthalates content**

Test Method: CPSC-CH-C1001-09.4
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	3	5	8	10	Limit (% m/m)
Test Item CAS No.	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (mg/kg)	
Diisobutyl phthalate (DIBP) 84-69-5	ND	ND	ND	ND	0.1
Conclusion	PASS	PASS	PASS	PASS	

Specimen No.	11	---	---	---	Limit (% m/m)
Test Item CAS No.	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (mg/kg)	
Diisobutyl phthalate (DIBP) 84-69-5	ND	---	---	---	0.1
Conclusion	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	Min.2-3	4-5	PASS
Wet staining	Min.2-3	4-5	

Specimen No.	5		
Items	Client's requirement	Result (Grade)	Conclusion
Dry staining	Min.2-3	4-5	PASS
Wet staining	Min.2-3	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:**

Specimen No.	Specimen Description	Location
1	Blue textile	Main body of packsack
2	Black textile	Belt of packsack
3	Black plastic	Lock catch
4	Black textile	String of packsack
5	Blue coated blue textile	Main body of chair
6	Black textile	Chair edge
7	Silvery metal	Holder of chair
8	Black coating	Holder of chair
9	Silvery metal	Screw
10	Black plastic	Foot pad of chair
11	Black plastic	Plastic ring
12	Black mesh textile	Tuck net





SAMPLE PHOTO:





SAMPLE PHOTO:





SAMPLE PHOTO:





SAMPLE PHOTO:



-End Report-

