



TEST REPORT

Test Report # 19A-005409-2-S2 Date of Report Issue: September 30, 2019
 Date of Sample Received: September 6, 2019 Pages: Page 1 of 11

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: Folded PVC raincoat with hood
 Style No.: - Labeled Age Grade: -
 Order No.(PO No.): - Client Request Age Grade: -
 Country of Origin: - Recommended Age Grade: -
 Country of Distribution: Europe Tested Age Grade: -
 Model No.: KC5101
 Composition/Main Material: PVC
 Buyer Name: Mid Ocean Brands B.V.
 Supplier Name: 100396
 Testing Period: 09/06/2019-09/11/2019,09/16/2019-09/19/2019,09/26/2019-09/30/2019

OVERALL RESULT:



Please refer to the following pages for test result summary and appropriate notes.

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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 Substrate Materials
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 as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)

Remark:

- 1) Test results are transferred from test report no. 19A-005409-1-S2 date: 09/30/2019
- 2) *Revised information and supersedes the previous report no. 19A-005409-2-S1 date: 09/19/2019



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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	3	4	5	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	ND	500
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	---	---	---	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	---	---	---	500
Conclusion	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 23 Cadmium in Substrate Materials**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3	4	5	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	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	---	---	---	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	---	---	---	100
Conclusion	PASS	PASS	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/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/ Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.		1	4	---	---	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	---	---	30
Benzidine	92-87-5	ND	ND	---	---	30
4-chloro-o-toluidine	95-69-2	ND	ND	---	---	30
2-naphtylamine	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
Conclusion		PASS	PASS	---	---	



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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 as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)**

Test Method: CPSC-CH-C1001-09.4

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	1000
Sum of DBP, BBP, DEHP, DIBP		ND	ND	ND	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	
Sum of DnOP, DINP, DIDP		ND	ND	ND	1000
Conclusion		PASS	PASS	PASS	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 150 mg/kg)



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

Test Method: CPSC-CH-C1001-09.4

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	4	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	---	1000
Sum of DBP, BBP, DEHP, DIBP		ND	---	1000
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	---	1000
Conclusion		PASS	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 150 mg/kg)



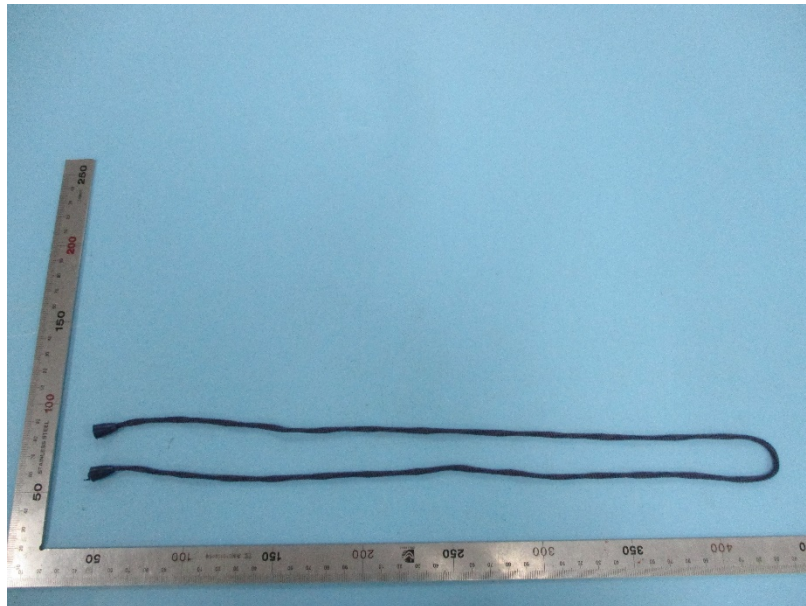
**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Blue soft plastic	Main body
2	Blue plastic	Buckle of string (blue style)
3	Blue plastic	Button (blue style)
4	Blue textile	Drawstring (blue style)
5	Yellow soft plastic	Main body (yellow style)
6	White soft plastic	Main body (white style)
7	Black soft plastic	Main body (black style)





SAMPLE PHOTO:





*SAMPLE PHOTO:



-End Report-

