

TEST REPORT

REPORT No.: R2DG19101215617E

Date: October 17, 2019

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

Report on the submitted samples said to be:

Sample Description : DOCUMENT BAG
Sample Name : DOCUMENT BAG
Style/Item No. : MO8346
Color : BLACK/BLACK,BLACK/BLUE,BLACK/RED,BLACK/WHITE
Country of Origin : CHINA
Buyer : Mid Ocean Brands B.V.
Sample Receiving Date : October 12, 2019
Testing Period : From October 12, 2019 to October 17, 2019
Results : Please refer to next page(s).

Signed for and on behalf of BACL

Jane

Bensen

Checked by: _____ Approved by: _____
Jane Xu Bensen Huang
Technical Supervisor Laboratory Manager



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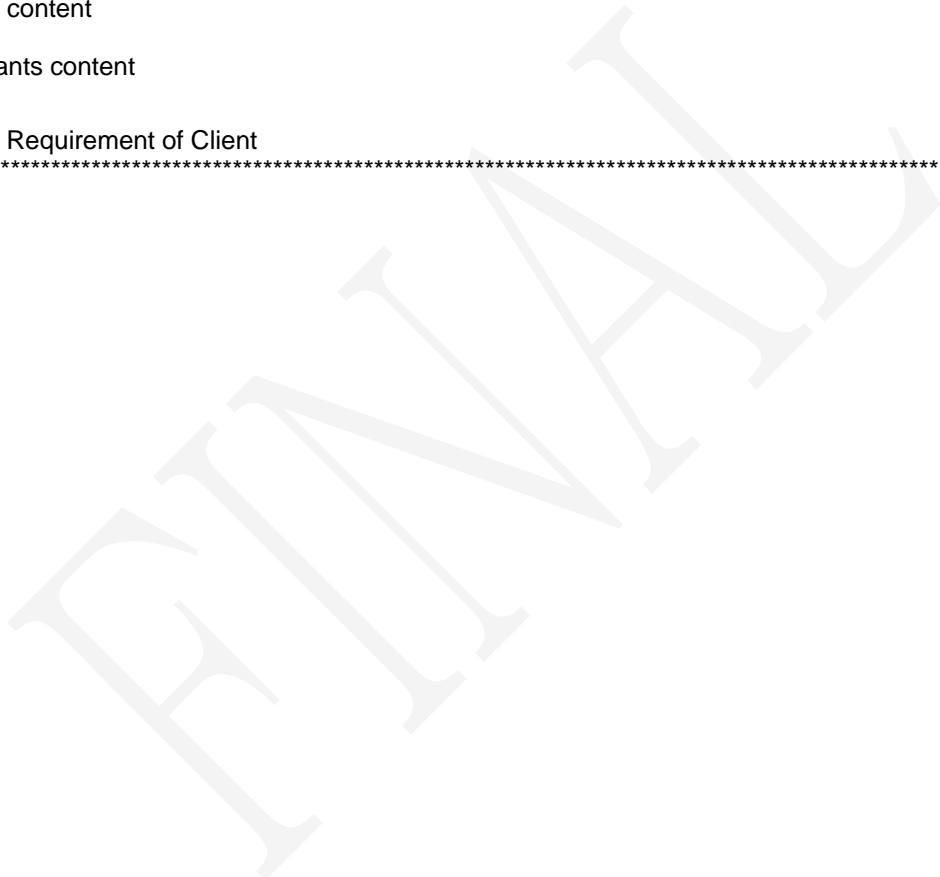
Summary of Test Results:

TEST REQUEST

CONCLUSION

- | | |
|--------------------------|------|
| 1. Total Lead Content | Pass |
| 2. Cadmium Content | Pass |
| 3. Phthalates content | Pass |
| 4. AZO colorants content | Pass |

Pass= Meet the Requirement of Client





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Results:

Tested part(s):

(1) Black fabric with PVC

1. Total Lead Content

Test method: With reference to CPSC-CH-E1002-08.3, by acid digestion and analysis was performed by Atomic Absorption Spectrometry (AAS).

Item	Unit	MDL	Results	Client's Limit
			(1)	
Lead (Pb)	mg/kg	10	21	500
Conclusion	/	/	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- The finished product supplied by client is only used for taking photos, If the testing of specimen may have the difference, The applicant will undertake all differences and risk.
- Photo is included.

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2. Cadmium (Cd) content

Test method: Acid digestion and analysis was performed by Atomic Absorption Spectrometry (AAS).

Item	Unit	MDL	Results	Client's Limit
			(1)	
Cadmium (Cd)	mg/kg	10	N.D.	100
Conclusion	/	/	Pass	/

Note:

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- MDL = Method Detection Limit
- mg/kg = ppm
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3. Phthalates content

Test method: With reference to EN 14372: 2004, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Items	Unit	MDL	Results	Client's Limit
			(1)	
Dibutyl Phthalate (DBP)	mg/kg	30	N.D.	---
Benzylbutyl Phthalate (BBP)	mg/kg	30	N.D.	---
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	---
Sum of (DBP, BBP, DEHP)	mg/kg	/	N.D.	1000
Di-n-octyl Phthalate (DNOP)	mg/kg	30	N.D.	---
Diisononyl Phthalate (DINP)	mg/kg	100	N.D.	---
Diisodecyl Phthalate (DIDP)	mg/kg	100	N.D.	---
Sum of (DNOP, DINP, DIDP)	mg/kg	/	N.D.	1000
Diisobutyl Phthalate (DIBP)	mg/kg	30	N.D.	1000
Conclusion	/	/	Pass	/

Note:

- MDL = Method Detection Limit
- % = Percentage by weight
- 0.1% = 1000mg/kg, mg/kg = ppm
- The results less than MDL are not taken into account while calculating the sum contents.
- The finished product supplied by client is only used for taking photos, If the testing of specimen may have the difference, The applicant will undertake all differences and risk.
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4. AZO colorants content

Test method: With reference to EN ISO 14362-1: 2017, Analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

No.	Item	CAS No.	Unit	MDL	Results	Client's Limit
					(1)	
1	4-aminobiphenyl/xenylamine/Biphenyl-4-ylamine	92-67-1	mg/kg	5	N.D.	30
2	Benzidine	92-87-5	mg/kg	5	N.D.	30
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	N.D.	30
4	2-naphthylamine	91-59-8	mg/kg	5	N.D.	30
5	o-aminoazotoluene/4-o-tolylazo-o-toluidine/ 4-amino-2',3-dimethylazobenzene	97-56-3	mg/kg	5	N.D.	30
6	5-nitro-o-toluidine/2-amino-4-nitrotoluene	99-55-8	mg/kg	5	N.D.	30
7	p-chloraniline/4-chloroaniline	106-47-8	mg/kg	5	N.D.	30
8	2,4-diaminoanisole/ 4-methoxy-m-phenylenediamine	615-05-4	mg/kg	5	N.D.	30
9	4,4'-diaminodiphenylmethane/ 4,4'-methylenedianiline	101-77-9	mg/kg	5	N.D.	30

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No.	Item	CAS No.	Unit	MDL	Results	Client's Limit
					(1)	
10	3,3'-dichlorobenzidine/ 3,3'dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	N.D.	30
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	N.D.	30
12	3,3'-dimethylbenzidine/4,4'-bi-o-Toluidine	119-93-7	mg/kg	5	N.D.	30
13	3,3'-dimethyl-4,4'-diaminodiphenylmethane/ 4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	N.D.	30
14	p-cresidine/6-methoxy-m-toluidine	120-71-8	mg/kg	5	N.D.	30
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'methylene-dianiline	101-14-4	mg/kg	5	N.D.	30
16	4,4'-oxydianiline	101-80-4	mg/kg	5	N.D.	30
17	4,4'-thiodianiline	139-65-1	mg/kg	5	N.D.	30
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	N.D.	30
19	2,4-toluylenediamine/2,4-diaminotoluene/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	N.D.	30
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	N.D.	30
21	o-anisidine/ 2-methoxyaniline	90-04-0	mg/kg	5	N.D.	30
22	4-aminoazobenzene*	60-09-3	mg/kg	5	N.D.	30
Conclusion		/	/	/	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- *: The EN ISO 14362-1: 2017 method will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline or 1,4-phenylenediamine. If the test result for 4-aminoazobenzene (CAS No. 60-09-3) is considered as "Not Detected" since both aniline and / or 1,4-phenylenediamine is not found by mentioned test method. Otherwise the test method of EN ISO 14362-3: 2017 is employed to verify the presence of 4-aminoazobenzene
- The finished product supplied by client is only used for taking photos, If the testing of specimen may have the difference, The applicant will undertake all differences and risk.
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Photograph of Sample (for test)



Photograph of Sample (for reference only)



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BACL authenticate the photo on original report only

Directions:

1. This report cannot be reproduced except in full, without prior written approval of the Company.
2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The information which provided by the applicant, such as sample description, sample name, material component, style/item No., P.O. No., manufacture, age phase, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
6. The test samples were in good condition before testing.
7. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

*** End of Report ***



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 Sample Receiving Date : October 12, 2019
 Testing Period : From October 12, 2019 to October 17, 2019
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Summary of Test Results:

TEST REQUEST

CONCLUSION

A. Color Fastness to Rubbing

Data

Signed for and on behalf of BACL

Checked by: Wendy Xiao
 Wendy Xiao
 Test Engineer

Approved by: Jesse Shang
 Jesse Shang
 Laboratory Manager



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Results:

Tested part(s):

(1) Black fabric

A. Color Fastness to Rubbing (ISO 105 X12:2016(E))

(1)

	Warp	Weft
Dry Rubbing (Grade)	4-5	4-5
Wet Rubbing (Grade)	4-5	4-5

Note:

1. Color Fastness Total Uncertainty: ± 0.5 Grade

2. Color Fastness Rating

- Grade 5 Negligible/No Change or Staining
- Grade 4 Color Change or Staining Equivalent to Gray Scale Step 4.
- Grade 3 Color Change or Staining Equivalent to Gray Scale Step 3.
- Grade 2 Color Change or Staining Equivalent to Gray Scale Step 2.
- Grade 1 Color Change or Staining Equivalent to Gray Scale Step 1.

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Photograph of Sample



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6. The test samples were in good condition before testing.
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*** End of Report ***