



TEST REPORT

REPORT No.: R2DG19092615353E

Date: October 9, 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 : SPORT RUCKSACK
*Sample Name : SPORT RUCKSACK
*Style/Item No. : MO9552
*Color : BLACK/LIME/RED/WHITE/ORANGE/ROYAL BLUE
*Country of Origin : CHINA
*Buyer : Mid Ocean Brands B.V.
Sample Receiving Condition : Good Condition
Sample Receiving Date : September 29, 2019
Testing Period : From September 29, 2019 to October 9, 2019
Results : Please refer to next page(s).

Signed for and on behalf of BACL

Checked by: Jane Xu
Technical Supervisor

Approved by: Bensen Huang
Laboratory Manager



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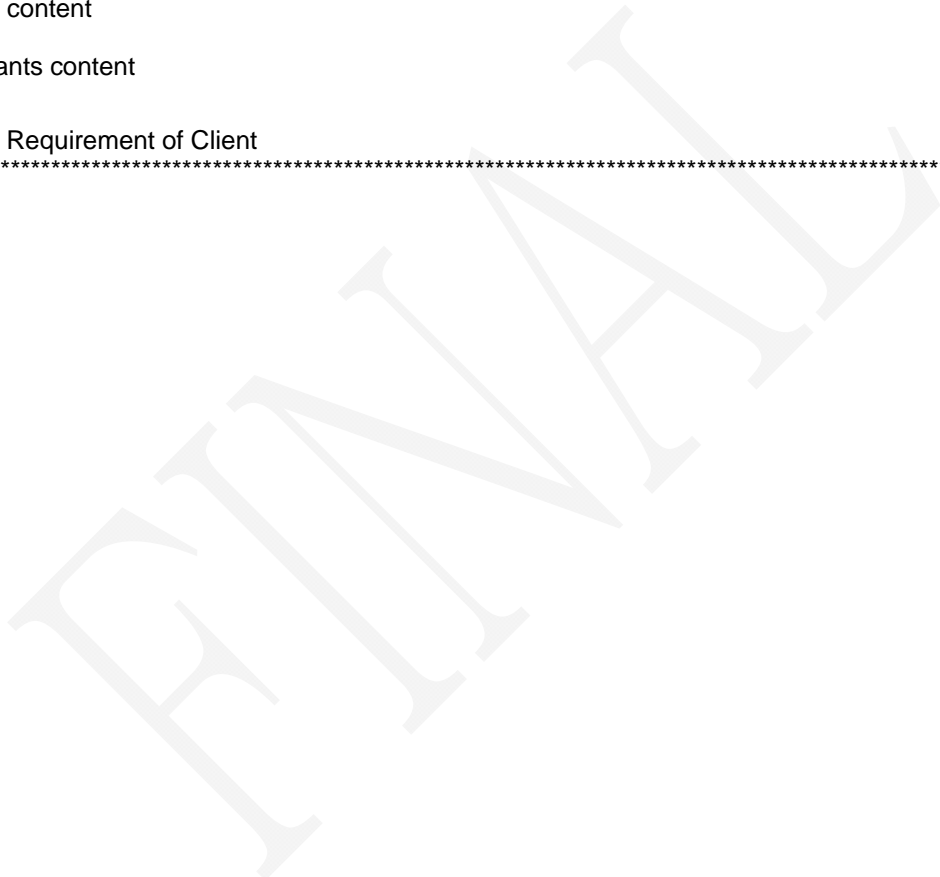
Summary of Test Results:

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
- (2) Lime fabric
- (3) Red fabric
- (4) White fabric
- (5) Orange fabric
- (6) Royal blue fabric

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)+(2)+(3)	(4)+(5)+(6)	
Lead (Pb)	mg/kg	10	N.D.	N.D.	500
Conclusion	/	/	Pass	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.
- "+"= Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.
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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)+(2)+(3)	(4)+(5)+(6)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	100
Conclusion	/	/	Pass	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.
- "+"= Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.
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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)+(2)+(3)	(4)+(5)+(6)	
Dibutyl Phthalate (DBP)	mg/kg	30	N.D.	N.D.	---
Benzylbutyl Phthalate (BBP)	mg/kg	30	N.D.	N.D.	---
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	N.D.	---
Sum of (DBP, BBP, DEHP)	mg/kg	/	N.D.	N.D.	1000
Di-n-octyl Phthalate (DNOP)	mg/kg	30	N.D.	N.D.	---
Diisononyl Phthalate (DINP)	mg/kg	100	N.D.	N.D.	---
Diisodecyl Phthalate (DIDP)	mg/kg	100	N.D.	N.D.	---
Sum of (DNOP, DINP, DIDP)	mg/kg	/	N.D.	N.D.	1000
Diisobutyl Phthalate (DIBP)	mg/kg	30	N.D.	N.D.	1000
Conclusion	/	/	Pass	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.
- "+"= Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. 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)+(2)+(3)	
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)+(2)+(3)	
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-toluyldiamine/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	/

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No.	Item	CAS No.	Unit	MDL	Results	Client's Limit
					(4)+(5)+(6)	
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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					(4)+(5)+(6)	
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-toluylendiamine/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

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Directions:

1. The information marked ★ is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
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. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
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*** End of Report ***