

## TEST REPORT

Test Report # 19W-019525 Date of Report Issue: January 14, 2020  
Date of Sample Received: December 2, 2019 Pages: Page 1 of 51

### CLIENT INFORMATION:

Company: Spector & Co.  
Address: -



### SAMPLE INFORMATION:

Description: NOMAD MUST HAVES ECO FLIP TOP BACKPACK  
Assortment: BLK, BLU, RED  
Model/style No.: BGR104  
PO No.: 7118300  
SKU No.: BGR104XXX  
Item No./Item Name: -  
Factory/Supplier: USB059  
Country of Origin: China  
Country of Distribution: Canada, United States  
Testing Period: 12/05/2019-12/16/2019, 01/08/2020-01/14/2020

### OVERALL RESULT:

**PASS with information**

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

QIMA (HANGZHOU) TESTING CO., LTD.

QIMA (HANGZHOU) TESTING CO., LTD.

*Candy Ren*

*Kevin Lee*

Candy Ren  
Textile Laboratory Manager

Kevin Lee  
Technical Manager



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♦ Email: Labtesting@qima.com ♦ Tel: (86) 571 8999 7158.

Test(s) marked with 'φ' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.

If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.

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**TEST RESULTS SUMMARY:**

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

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Paints and Surface Coatings
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	California Proposition 65, Total Cadmium in Paints and Surface Coatings
PASS	California Proposition 65, Total Cadmium in Substrate Materials
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	CPSC 16 CFR 1307 Prohibition of Children’s Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)
PASS	Client’s Requirement, Phthalates content
PASS	19 CFR 134.11, Country of Origin
PASS	Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin
PASS	Charter of French Language, (R.S.Q., c.C-11), Province of Quebec Labeling
PASS	Color Fastness to Crocking
PASS	Color Fastness to Water
PASS	Color Fastness to Light
Information only	Dimensions
Information only	Article Weight
PASS	Defects
PASS	Workmanship
PASS	SOR/2016-194 and Method F01 Flammability of Textile Products
Information only	Fabric Weight Per Unit Area
PASS	Tensile Strength
PASS	Tearing Strength
PASS	Seam Strength
PASS	Abrasion Resistance
PASS	Pilling Resistance



## TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	Zipper Strength
PASS	Zipper Operability
PASS	Water Repellency-Spray Test
PASS	Water Resistance –Rain Test
Information only	Fiber Content
PASS	Client’s Requirement for Static Load Test
Information only	Client’s Requirement, Capacity Test of Bags



**DETAILED RESULTS:**

**California Proposition 65, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	20+35	---	---	---	---	
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Limit (mg/kg)
Total Lead (Pb)	16	---	---	---	---	<b>90</b>
<b>Conclusion</b>	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.

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
20+35	19W-014958-S1	20+35	October 23, 2019



**DETAILED RESULTS:**

**California Proposition 65, Total Lead in Substrate Materials**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+39+40	2+4+5	3	6+8+18	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	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9+10+11	12+13+34	14+15+16	17	19+21+29	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	<b>100</b>
<b>Conclusion</b>	PASS	PASS	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.

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
2+4+5	19W-014958-S1	2+4+5	October 23, 2019
3	19W-014958-S1	3	October 23, 2019
6+8+18	19W-014958-S1	6+8+18	October 23, 2019
7	19W-014958-S1	7	October 23, 2019
9+10+11	19W-014958-S1	9+10+11	October 23, 2019
12+13+34	19W-014958-S1	12+13+34	October 23, 2019
14+15+16	19W-014958-S1	14+15+16	October 23, 2019
17	19W-014958-S1	17	October 23, 2019
19+21+29	19W-014958-S1	19+21+29	October 23, 2019



**DETAILED RESULTS:**

**California Proposition 65, Total Lead in Substrate Materials**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	22	23	24	25	26	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	32	ND	ND	72	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	27	28+30+33	31	32	36	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	29	38	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	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.

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
22	19W-014958-S1	22	October 23, 2019
23	19W-014958-S1	23	October 23, 2019
24	19W-014958-S1	24	October 23, 2019
25	19W-014958-S1	25	October 23, 2019
26	19W-014958-S1	26	October 23, 2019
27	19W-014958-S1	27	October 23, 2019
28+30+33	19W-014958-S1	28+30+33	October 23, 2019
31	19W-014958-S1	31	October 23, 2019
32	19W-014958-S1	32	October 23, 2019
36	19W-014958-S1	36	October 23, 2019



**DETAILED RESULTS:**

**California Proposition 65, Total Lead in Substrate Materials**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	37	38	---	---	---	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	---	---	---	<b>100</b>
<b>Conclusion</b>	PASS	PASS	---	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

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

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
37	19W-014958-S1	37	October 23, 2019
38	19W-014958-S1	38	October 23, 2019



**DETAILED RESULTS:**

**Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Paints and Surface Coatings**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	20+35	---	---	---	---	Total Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	16	---	---	---	---	<b>90</b>
Total Mercury (Hg)	ND	---	---	---	---	<b>10</b>
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*

mg/kg=Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit: Pb=15 mg/kg; Hg = 10 mg/kg)

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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
20+35	19W-014958-S1	20+35	October 23, 2019





**DETAILED RESULTS:**

**Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+39+40	3	7	9+10+11	12+13+34	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	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	14+15+16	17	19+21+29	22	23	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	32	ND	<b>90</b>
<b>Conclusion</b>	PASS	PASS	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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
3	19W-014958-S1	3	October 23, 2019
7	19W-014958-S1	7	October 23, 2019
9+10+11	19W-014958-S1	9+10+11	October 23, 2019
12+13+34	19W-014958-S1	12+13+34	October 23, 2019
14+15+16	19W-014958-S1	14+15+16	October 23, 2019
17	19W-014958-S1	17	October 23, 2019
19+21+29	19W-014958-S1	19+21+29	October 23, 2019
22	19W-014958-S1	22	October 23, 2019
23	19W-014958-S1	23	October 23, 2019



**DETAILED RESULTS:**

**Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	24	25	26	27	31	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	72	ND	ND	29	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	32	36	37	38	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	38	ND	ND	ND	---	<b>90</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)

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
24	19W-014958-S1	24	October 23, 2019
25	19W-014958-S1	25	October 23, 2019
26	19W-014958-S1	26	October 23, 2019
27	19W-014958-S1	27	October 23, 2019
31	19W-014958-S1	31	October 23, 2019
32	19W-014958-S1	32	October 23, 2019
36	19W-014958-S1	36	October 23, 2019
37	19W-014958-S1	37	October 23, 2019
38	19W-014958-S1	38	October 23, 2019



**DETAILED RESULTS:**

**California Proposition 65, Total 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.	20+35	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	<b>75</b>
<b>Conclusion</b>	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.

*Remark:*

The specification is quoted from client’s requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
20+35	19W-014958-S1	20+35	October 23, 2019



**DETAILED RESULTS:**

**California Proposition 65, Total Cadmium in Substrate Materials**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+39+40	2+4+5	3	6+8+18	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	ND	ND	ND	<b>75</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9+10+11	12+13+34	14+15+16	17	19+21+29	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	<b>75</b>
<b>Conclusion</b>	PASS	PASS	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.

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
2+4+5	19W-014958-S1	2+4+5	October 23, 2019
3	19W-014958-S1	3	October 23, 2019
6+8+18	19W-014958-S1	6+8+18	October 23, 2019
7	19W-014958-S1	7	October 23, 2019
9+10+11	19W-014958-S1	9+10+11	October 23, 2019
12+13+34	19W-014958-S1	12+13+34	October 23, 2019
14+15+16	19W-014958-S1	14+15+16	October 23, 2019
17	19W-014958-S1	17	October 23, 2019
19+21+29	19W-014958-S1	19+21+29	October 23, 2019



**DETAILED RESULTS:**

**California Proposition 65, Total Cadmium in Substrate Materials**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	22	23	24	25	26	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	<b>75</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	27	28+30+33	31	32	36	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	<b>75</b>
<b>Conclusion</b>	PASS	PASS	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.

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
22	19W-014958-S1	22	October 23, 2019
23	19W-014958-S1	23	October 23, 2019
24	19W-014958-S1	24	October 23, 2019
25	19W-014958-S1	25	October 23, 2019
26	19W-014958-S1	26	October 23, 2019
27	19W-014958-S1	27	October 23, 2019
28+30+33	19W-014958-S1	28+30+33	October 23, 2019
31	19W-014958-S1	31	October 23, 2019
32	19W-014958-S1	32	October 23, 2019
36	19W-014958-S1	36	October 23, 2019



**DETAILED RESULTS:**

**California Proposition 65, Total Cadmium in Substrate Materials**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	37	38	---	---	---	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	---	---	---	<b>75</b>
<b>Conclusion</b>	PASS	PASS	---	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

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

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
37	19W-014958-S1	37	October 23, 2019
38	19W-014958-S1	38	October 23, 2019



**DETAILED RESULTS:**

**California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)**

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

Specimen No.		1+39+40	2+4+5	3	6+8+18	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

**Note:**

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

LT = Less than

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

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

**Remark:**

The specification is quoted from client's requirement.

**Data Consolidation Reference:**

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
2+4+5	19W-014958-S1	2+4+5	October 23, 2019
3	19W-014958-S1	3	October 23, 2019
6+8+18	19W-014958-S1	6+8+18	October 23, 2019



**DETAILED RESULTS:**

**California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)**

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

Specimen No.		7	9+10+11	12+13+34	14+15+16	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

*Note:*

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

LT = Less than

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

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

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
7	19W-014958-S1	7	October 23, 2019
9+10+11	19W-014958-S1	9+10+11	October 23, 2019
12+13+34	19W-014958-S1	12+13+34	October 23, 2019
14+15+16	19W-014958-S1	14+15+16	October 23, 2019





**DETAILED RESULTS:**

**California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)**

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

Specimen No.		19+21+29	20+35	28+30+33	---	
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Limit (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
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	---	1000
<b>Conclusion</b>		PASS	PASS	PASS	---	

*Note:*

mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)  
 LT = Less than  
 ND = Not detected (Reporting Limit = 150 mg/kg)  
 Composite results are based on specimen of least mass resulting in highest potential concentration.

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
19+21+29	19W-014958-S1	19+21+29	October 23, 2019
20+35	19W-014958-S1	20+35	October 23, 2019
28+30+33	19W-014958-S1	28+30+33	October 23, 2019



**DETAILED RESULTS:**

**CPSC 16 CFR 1307 Prohibition of Children’s Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)**

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

Specimen No.		1+39+40	3	7	9+10+11	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

*Note:*  
 mg/kg = Milligrams per kilogram  
 LT = Less than  
 ND = Not detected (Reporting Limit = 150 mg/kg)  
 Composite results are based on specimen of least mass resulting in highest potential concentration.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
3	19W-014958-S1	3	October 23, 2019
7	19W-014958-S1	7	October 23, 2019
9+10+11	19W-014958-S1	9+10+11	October 23, 2019



**DETAILED RESULTS:**

**CPSC 16 CFR 1307 Prohibition of Children’s Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)**

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

Specimen No.		12+13+34	14+15+16	19+21+29	20+35	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

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

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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
12+13+34	19W-014958-S1	12+13+34	October 23, 2019
14+15+16	19W-014958-S1	14+15+16	October 23, 2019
19+21+29	19W-014958-S1	19+21+29	October 23, 2019
20+35	19W-014958-S1	20+35	October 23, 2019



**DETAILED RESULTS:**

**Client's Requirement, Phthalates content**

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

Specimen No.		1+39+40	2+4+5	3	6+8+18	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	117-84-0	ND	ND	ND	ND	1000
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	1000
Di-n-pentyl phthalate (DPENP/DnPP)	131-18-0	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

**Note:**  
 mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)  
 LT = Less than  
 ND = Not detected (Reporting Limit = 150 mg/kg)  
 Composite results are based on specimen of least mass resulting in highest potential concentration.

**Remark:**  
 The specification is quoted from client's requirement.



**DETAILED RESULTS:**

**Client's Requirement, Phthalates content**

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

Specimen No.		7	9+10+11	12+13+34	14+15+16	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	117-84-0	ND	ND	ND	ND	1000
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	1000
Di-n-pentyl phthalate (DPENP/DnPP)	131-18-0	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

**Note:**

mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)  
 LT = Less than  
 ND = Not detected (Reporting Limit = 150 mg/kg)  
 Composite results are based on specimen of least mass resulting in highest potential concentration.

**Remark:**

The specification is quoted from client's requirement.



**DETAILED RESULTS:**

**Client's Requirement, Phthalates content**

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

Specimen No.		19+21+29	20+35	28+30+33	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	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
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	---	1000
Di-n-octyl phthalate (DNOP)	117-84-0	ND	ND	ND	---	1000
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	---	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	---	1000
Di-n-pentyl phthalate (DPENP/DnPP)	131-18-0	ND	ND	ND	---	1000
<b>Conclusion</b>		PASS	PASS	PASS	---	

**Note:**

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

LT = Less than

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

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

**Remark:**

The specification is quoted from client's requirement.



Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
2+4+5	19W-014958-S1	2+4+5	October 23, 2019
3	19W-014958-S1	3	October 23, 2019
6+8+18	19W-014958-S1	6+8+18	October 23, 2019
7	19W-014958-S1	7	October 23, 2019
9+10+11	19W-014958-S1	9+10+11	October 23, 2019
12+13+34	19W-014958-S1	12+13+34	October 23, 2019
14+15+16	19W-014958-S1	14+15+16	October 23, 2019
19+20+29	19W-014958-S1	19+20+29	October 23, 2019
20+35	19W-014958-S1	20+35	October 23, 2019
28+30+33	19W-014958-S1	28+30+33	October 23, 2019



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*Test(s) marked with 'φ' was subcontracted to external laboratory.*

*The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.*

*If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.*

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**DETAILED RESULTS:**

**19 CFR 134.11, Country of Origin**

Specimen No.	41	---	Conclusion
Test	Observation	Observation	
Country of Origin	Present on label	---	PASS

**Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin**

Specimen No.	41	---	Conclusion
Section	Requirement	Requirement	
2	Present on label	---	PASS

**Charter of French Language, (R.S.Q., c.C-11), Province of Quebec Labeling**

Specimen No.	41	---	Conclusion
Clause	Test	Test	
c.C-11	French Labeling	---	PASS

**Color Fastness to Crocking**

Test Method: AATCC 8-2016

Specimen No.	41-Red shell fabric	42-Blue shell fabric	43-Black shell fabric	41-Black mesh	41-Stripe main lining	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4.5	4.5	4.5	4.5	4.5	Min. 4.0
Wet staining	4.5	4.5	4.5	4.5	4.5	Min. 2.5
Conclusion	PASS	PASS	PASS	PASS	PASS	-

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:**

**Color Fastness to Crocking**

Test Method: AATCC 8-2016

Specimen No.	41-Strap	---	---	---	---	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4.5	---	---	---	---	Min. 4.0
Wet staining	4.5	---	---	---	---	Min. 2.5
Conclusion	PASS	---	---	---	---	-

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

**Color Fastness to Water**

Test Method: AATCC 107-2013

Specimen No.	41-Red shell fabric	42-Blue shell fabric	43-Black shell fabric	41-Black mesh	41-Stripe main lining	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Change in shade	4.5	4.5	4.5	4.5	4.5	Min. 4.0
Staining on multi-fiber stripe						
-Acetate	4.5	4.5	4.5	4.5	4.5	Min. 3.5
-Cotton	4.5	4.5	4.5	4.5	4.5	Min. 3.5
-Nylon	4.5	4.5	4.5	4.5	4.5	Min. 3.5
-Polyester	4.5	4.5	4.5	4.5	4.5	Min. 3.5
-Acrylic	4.5	4.5	4.5	4.5	4.5	Min. 3.5
-Wool	4.5	4.5	4.5	4.5	4.5	Min. 3.5
Conclusion	PASS	PASS	PASS	PASS	PASS	-

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



**DETAILED RESULTS:**

**Color Fastness to Water**

Test Method: AATCC 107-2013

Specimen No.	41-Strap	---	---	---	---	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Change in shade	4.5	---	---	---	---	Min. 4.0
Staining on multi-fiber stripe						
-Acetate	4.5	---	---	---	---	Min. 3.5
-Cotton	4.5	---	---	---	---	Min. 3.5
-Nylon	4.5	---	---	---	---	Min. 3.5
-Polyester	4.5	---	---	---	---	Min. 3.5
-Acrylic	4.5	---	---	---	---	Min. 3.5
-Wool	4.5	---	---	---	---	Min. 3.5
Conclusion	PASS	---	---	---	---	-

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

**Color Fastness to Light**

Test Method: AATCC 16.3-2014; Option 3; Xenon Arc Lamp.

Specimen No.	41-Red shell fabric	43-Black shell fabric	41-Black mesh	41-Strap	48	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
After 20 AFU Change in shade	4.5	4.0	4.5	4.5	4.0	Min. 4.0
Conclusion	PASS	PASS	PASS	PASS	PASS	-

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



**DETAILED RESULTS:**

**Dimensions**

Test Method: IHTM, Standard Measure;

Specimen No.	41	---	Client's requirement
Items	Result (inch)	Result (inch)	
Length	12 1/8	---	N/A
Width	6 4/8	---	
Height	17 3/8	---	
Conclusion	Information only	---	-



**DETAILED RESULTS:**

**Article Weight**

Test Method: IHTM 010

Specimen No.	41	---	Client's requirement
Items	Result	Result	
Article Weight (g/piece)	686	---	N/A
Conclusion	Information only	---	-

**Defects**

Test Method: ASTM D3990 – 12(2016); Visual Examination

Specimen No.	41	---	Requirement
Item	Result	Result	
Observation	No major defect	---	Visual examination to verify noticeable defects (such as missing components, obvious knitting /weaving defects, improper functioning component).
Conclusion	PASS	---	-



**DETAILED RESULTS:**

**Workmanship**

Test Method: IHTM-TXHZ; Visual Examination

Specimen No.	41	---	Requirement
Item	Result	Result	
Observation	No major poor workmanship	---	Visual examination to verify noticeable poor Workmanship (such as:  Poor sewing: Broken seam Missing stitches or Skipped / Uneven /wave stitches or stitched holes on visible area. Insecure back stitches / Uneven stitch tension / Needle chewing Misaligned seam.  Poor riveting metal eyelet or other metal parts  Dirty / Glue/ Scratch / Wrinkle / Pen Mark / Oil Stain / Water Stain  The inside hiding thread expose.  Poor electro-plating or spraying on handle metal plate Obvious Scratched mark on extendable handle or metal plate  Fabric , webbing band or strap getting discoloration
Conclusion	PASS	---	-



**DETAILED RESULTS:**

**SOR/2016-194 and Method F01 Flammability of Textile Products**

Test Method: CAN/CGSB-4.2 No.27.5-2008

Specimen No.	39				
Preliminary Tests	<u>Fabric Surface</u>	Smooth	<u>Test Specimen Direction</u>		Face Length
Items	Result				Client's requirement
	<u>As Received</u>		<u>After Dry-cleaning and Laundering*</u>		
	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	
(1)	-	DNI	-	DNI	>3.5s
(2)	-	DNI	-	DNI	
(3)	-	DNI	-	DNI	
(4)	-	DNI	-	DNI	
(5)	-	DNI	-	DNI	
(6)	-	DNI	-	DNI	
(7)	-	DNI	-	DNI	
(8)	-	DNI	-	DNI	
(9)	-	DNI	-	DNI	
(10)	-	DNI	-	DNI	
Conclusion	PASS				

\* Dry-cleaning / Laundering procedure is according to CAN/CGSB-4.2 No.30.3-94 & CAN/CGSB-4.2 No.58-2004; Machine wash at 50°C and tumble dry on the normal setting.

**Burn Code Description:**

DNI = Did not ignite;



**DETAILED RESULTS:**

**SOR/2016-194 and Method F01 Flammability of Textile Products**

Test Method: CAN/CGSB-4.2 No.27.5-2008

Specimen No.	40				
Preliminary Tests	<u>Fabric Surface</u>	Smooth	<u>Test Specimen Direction</u>		Face Length
Items	Result				Client's requirement
	<u>As Received</u>		<u>After Dry-cleaning and Laundering*</u>		
	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	
(1)	-	DNI	-	DNI	>3.5s
(2)	-	DNI	-	DNI	
(3)	-	DNI	-	DNI	
(4)	-	DNI	-	DNI	
(5)	-	DNI	-	DNI	
(6)	-	DNI	-	DNI	
(7)	-	DNI	-	DNI	
(8)	-	DNI	-	DNI	
(9)	-	DNI	-	DNI	
(10)	-	DNI	-	DNI	
Conclusion	PASS				

\* Dry-cleaning / Laundering procedure is according to CAN/CGSB-4.2 No.30.3-94 & CAN/CGSB-4.2 No.58-2004; Machine wash at 50°C and tumble dry on the normal setting.

**Burn Code Description:**

DNI = Did not ignite;



**DETAILED RESULTS:**

**SOR/2016-194 and Method F01 Flammability of Textile Products**

Test Method: CAN/CGSB-4.2 No.27.5-2008

Specimen No.	41-Black fabric on the side pocket of bag				
Preliminary Tests	<u>Fabric Surface</u>	Smooth	<u>Test Specimen Direction</u>		Face Length
Items	Result				Client's requirement
	<u>As Received</u>		<u>After Dry-cleaning and Laundering*</u>		
	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	
(1)	-	DNI	-	DNI	>3.5s
(2)	-	DNI	-	DNI	
(3)	-	DNI	-	DNI	
(4)	-	DNI	-	DNI	
(5)	-	DNI	-	DNI	
(6)	-	DNI	-	DNI	
(7)	-	DNI	-	DNI	
(8)	-	DNI	-	DNI	
(9)	-	DNI	-	DNI	
(10)	-	DNI	-	DNI	
Conclusion	PASS				

\* Dry-cleaning / Laundering procedure is according to CAN/CGSB-4.2 No.30.3-94 & CAN/CGSB-4.2 No.58-2004; Machine wash at 50°C and tumble dry on the normal setting.

**Burn Code Description:**

DNI = Did not ignite;





**DETAILED RESULTS:**

**SOR/2016-194 and Method F01 Flammability of Textile Products**

Test Method: CAN/CGSB-4.2 No.27.5-2008

Specimen No.	44				
Preliminary Tests	<u>Fabric Surface</u>	Smooth	<u>Test Specimen Direction</u>		Face Length
Items	Result				Client's requirement
	<u>As Received</u>		<u>After Dry-cleaning and Laundering*</u>		
	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	
(1)	-	DNI	-	DNI	>3.5s
(2)	-	DNI	-	DNI	
(3)	-	DNI	-	DNI	
(4)	-	DNI	-	DNI	
(5)	-	DNI	-	DNI	
(6)	-	DNI	-	DNI	
(7)	-	DNI	-	DNI	
(8)	-	DNI	-	DNI	
(9)	-	DNI	-	DNI	
(10)	-	DNI	-	DNI	
Conclusion	PASS				

\* Dry-cleaning / Laundering procedure is according to CAN/CGSB-4.2 No.30.3-94 & CAN/CGSB-4.2 No.58-2004; Machine wash at 50°C and tumble dry on the normal setting.

**Burn Code Description:**

DNI = Did not ignite;



**DETAILED RESULTS:**

**SOR/2016-194 and Method F01 Flammability of Textile Products**

Test Method: CAN/CGSB-4.2 No.27.5-2008

Specimen No.	45				
Preliminary Tests	<u>Fabric Surface</u>	Smooth	<u>Test Specimen Direction</u>		Face Length
Items	Result				Client's requirement
	<u>As Received</u>		<u>After Dry-cleaning and Laundering*</u>		
	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	<u>Flame Spread (sec.)</u>	<u>Burn Code</u>	
(1)	-	IBE	-	IBE	>3.5s
(2)	-	IBE	-	IBE	
(3)	-	IBE	-	IBE	
(4)	-	IBE	-	IBE	
(5)	-	IBE	-	IBE	
(6)	-	IBE	-	IBE	
(7)	-	IBE	-	IBE	
(8)	-	IBE	-	IBE	
(9)	-	IBE	-	IBE	
(10)	-	IBE	-	IBE	
Conclusion	PASS				

\* Dry-cleaning / Laundering procedure is according to CAN/CGSB-4.2 No.30.3-94 & CAN/CGSB-4.2 No.58-2004; Machine wash at 50°C and tumble dry on the normal setting.

**Burn Code Description:**

IBE = Ignited but extinguished;



**DETAILED RESULTS:**

**SOR/2016-194 and Method F01 Flammability of Textile Products**

Test Method: CAN/CGSB-4.2 No.27.5-2008

Specimen No.	46				
Preliminary Tests	Fabric Surface	Smooth	Test Specimen Direction	Face Length	
Items	Result				Client's requirement
	As Received		After Dry-cleaning and Laundering*		
	Flame Spread (sec.)	Burn Code	Flame Spread (sec.)	Burn Code	
(1)	13.0	-	13.4	-	>3.5s
(2)	14.0	-	14.4	-	
(3)	14.2	-	13.1	-	
(4)	13.7	-	13.7	-	
(5)	13.5	-	13.3	-	
(Avg.)	13.7	-	13.6	-	
Conclusion	PASS				

\* Dry-cleaning / Laundering procedure is according to CAN/CGSB-4.2 No.30.3-94 & CAN/CGSB-4.2 No.58-2004; Machine wash at 50°C and tumble dry on the normal setting.



**DETAILED RESULTS:**

**Fabric Weight Per Unit Area**

Test Method: ASTM D3776/D3776M-09a(R2017), Option C;

Specimen No.	39	40	44	46	---	Client's requirement
Items	Result	Result	Result	Result	Result	
(g/m <sup>2</sup> )	454	409	478	80.3	---	N/A
(oz/yd <sup>2</sup> )	13.4	12.1	14.1	2.37	---	N/A
Conclusion	Information only	Information only	Information only	Information only	---	-

**Tensile Strength**

Test Method: ASTM D5034-09(R2017); Instron CRE – 1" Grab

Specimen No.	39	40	44	46	---	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	Result (lbf)	Result (lbf)	Result (lbf)	
Warp	308.6	297.4*	304.6	137.5	---	Min. 25
Weft	250.4	227.5*	241.8	118.7	---	Min. 25
Conclusion	PASS	PASS	PASS	PASS	---	-

Remark: \*: All the specimens were jaw broken



## DETAILED RESULTS:

### Tearing Strength

Test Method: ASTM D1424-09(R2013); Elmendorf

Specimen No.	39	40	44	46	---	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	Result (lbf)	Result (lbf)	Result (lbf)	
Warp yarns torn	>14.1	10.0	>14.1	9.7	---	Min. 1.5
Weft yarns torn	>14.1	8.2	>14.1	11.8	---	Min. 1.5
Conclusion	PASS	PASS	PASS	PASS	---	-

Note:

- (1) Warp test – test in which the Warp yarns are torn.  
Weft test – test in which the Weft yarns are torn.
- (2) The maximum capacity of the tester is 14.1lbf



**DETAILED RESULTS:**

**Seam Strength**

Test Method: With reference to ASTM D 1683/D1683M-17(R2018); Instron CRE

Specimen No.	41	---	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	
Side seam-Shell with lining	>25.0	---	Min. 25
Bottom seam-Length of Shell with lining	>25.0	---	Min. 25
Bottom seam-Width of Shell with lining h	>25.0	---	Min. 25
Conclusion	PASS	---	-



**DETAILED RESULTS:**

**Abrasion Resistance**

Test Method: ASTM D4966-12<sup>ε1</sup>, Option 1; Martindale Wear & Abrasion Tester; 12kPa Pressure

Specimen No.	39	40	44	50	Client's requirement (rubs)
Items	Result (rubs)	Result (rubs)	Result (rubs)	Result (rubs)	
End point	>10000	>10000	>10000	>10000	10000
Conclusion	PASS	PASS	PASS	PASS	-

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

**Pilling Resistance**

Test Method: ASTM D3512/D3512M-16; After 30 min. tumbling in Random tumble Pilling Tester

Specimen No.	39	40	44	45	Client's requirement
Items	Result	Result	Result	Result	
As received Rating	4.5	4.5	4.5	4.5	Min. 3.5
Conclusion	PASS	PASS	PASS	PASS	-

Remarks: Pilling Rating

- 5 No pilling
- 4 Slight pilling
- 3 Moderate pilling
- 2 Severe pilling
- 1 Very severe pilling

Remark: \*: This sample is not from the product, but a newly received sample



**DETAILED RESULTS:**

**Zipper Strength**

Test Method: ASTM D2061-07(R2013); type: LM

Specimen No.	49	
Items	Result	Client's requirement
Chain Crosswise Strength Test <sup>φ</sup> (lbf)	224.4(Tape break)	Min. 175
Resistance to Pull-Off Slider Pull (lbf)	76.4(Puller pull out)	Min.35
Resistance to Twist of Pull and Slider Test Clockwise (lb. inch)	>7.8	Min.4
Counter-Clockwise (lb. inch)	>7.8	
Conclusion	PASS	

**Zipper Operability**

Test Method: ASTM D2062-03(R2014)

Specimen No.	49	
Items	Result	Client's requirement
Chain opening (lbf)	0.4	Max. 2
Chain closing (lbf)	0.6	Max. 2
Conclusion	PASS	

Remark: It is noted that a specific sampling plan is laid down per ASTM D2061-07(R2013) & ASTM D2062-03(R2014). The above results for Zipper Strength & Zipper Operability are drawn on the 10 of tested specimens, based on the request from the applicant.





**DETAILED RESULTS:**

**Water Repellency-Spray Test**

Test Method: AATCC 22-2017; Spray Test – Tested under controlled condition, water temperature: 27±1°C

Specimen No.	39			Client's requirement
Items	Result			
	Specimen 1#	Specimen 2#	Specimen 3#	
As received Rating	100	100	100	Min. 90
Conclusion	PASS			-

Specimen No.	40			Client's requirement
Items	Result			
	Specimen 1#	Specimen 2#	Specimen 3#	
As received Rating	90	90	95	Min. 90
Conclusion	PASS			-

Specimen No.	44			Client's requirement
Items	Result			
	Specimen 1#	Specimen 2#	Specimen 3#	
As received Rating	100	100	100	Min. 90
Conclusion	PASS			-

- Remarks: Spray Rating
- 100 No sticking or wetting of specimen face
  - 90 Slight random sticking or wetting of specimen face
  - 80 Wetting of specimen face at spray points
  - 70 Partial wetting of the specimen face beyond the spray points
  - 50 Complete wetting of the entire specimen face beyond the spray points
  - 0 Complete wetting of the entire face of the specimen



**DETAILED RESULTS:**

**Water Resistance –Rain Test**

Test Method: AATCC 35-2013; Rain Test-2ft head Pressure; 2-min impact

Specimen No.	39				Client's requirement
Items	Result				
	Specimen 1#	Specimen 2#	Specimen 3#	Average	
As received Weight of blotter gained (g)	0.0	0.0	0.0	0.0	Max 1.0g
Conclusion	PASS				-

Specimen No.	40				Client's requirement
Items	Result				
	Specimen 1#	Specimen 2#	Specimen 3#	Average	
As received Weight of blotter gained (g)	0.0	0.0	0.0	0.0	Max 1.0g
Conclusion	PASS				-

Specimen No.	44				Client's requirement
Items	Result				
	Specimen 1#	Specimen 2#	Specimen 3#	Average	
As received Weight of blotter gained (g)	0.0	0.0	0.0	0.0	Max 1.0g
Conclusion	PASS				-



**DETAILED RESULTS:**

**Fiber Content**

Test Method: AATCC 20-2018

Specimen No.	41-Face of shell	41-Lining	Client's requirement (%)
Items	Result (%)	Result (%)	
Polyester	100	100	N/A
Conclusion	Information only	Information only	-

Specimen No.	42-Face of shell	43-Face of shell	Client's requirement (%)
Items	Result (%)	Result (%)	
Polyester	100	100	N/A
Conclusion	Information only	Information only	-



## DETAILED RESULTS:

### Client's Requirement for Static Load Test

Test style: Red backpack


Test Item	Test Method	Requirement	Conclusion
Static Load test	<ol style="list-style-type: none"><li>1. Visual check the normal function of the sample under test as received.</li><li>2. Place the test load on the center of the bag with 10kg for 2 hours.</li><li>3. Observe and record any failure, structural breakage, deformation or any other unusual change from the original state of sample.</li></ol>	No failure, No structural breakage, No damage and deformation.	PASS



**DETAILED RESULTS:**

**Client's Requirement, Capacity Test of Bags**

Test style: Red backpack

Test Item	Test Method	Conclusion
Capacity test	1. Weigh 1 liter of standard plastic particles and record them as g. 2. Fill the bag with plastic particles using standard methods, then take out the plastic particles and weigh the plastic particles and record them as G. 3. Capacity=G/g	Information Only: Please refer below for detail result
 <p>Total=0.31L+0.51L+20.85L=21.67L</p>		



**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Blue coated blue textile	Raw material
2	Black/white textile	Liner
3	White foam	Filler
4	Black mesh textile	Shoulder strap
5	Black textile	Handle
6	Black textile	Edge
7	Black printed white textile	Label
8	Black textile	Drawstring
9	Black plastic	Buckle of drawstring
10	Black plastic	Buckle button of drawstring
11	Black plastic	The end of drawstring
12	Black plastic	End cover of drawstring
13	Black plastic	Adjustable buckle
14	Black plastic	D ring
15	Black plastic	Base of lobster buckle
16	Black plastic	Main body of lobster buckle
17	Silvery metal	Push rod of lobster buckle
18	Black textile	Side pocket
19	Grey soft plastic	Side pocket
20	White coating	Cover
21	Black soft plastic	Cover
22	Silvery metal	Buckle of cover
23	Silvery metal	Buckle roller of cover
24	Silvery metal	Buckle needle of cover
25	Silvery metal	Socket
26	Silvery metal	Cap
27	Silvery metal	Stud
28	Black textile	Elastic of inside pocket
29	Grey soft plastic	Elastic of inside pocket



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*Test(s) marked with 'φ' was subcontracted to external laboratory.*

*The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.*

*If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.*

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**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
30	Black textile	Zipper puller
31	Silvery metal	Zipper puller
32	Silvery metal	Zipper slider
33	Black textile	Zipper cloth
34	Black plastic	Zipper teeth
35	Black coating	Zipper head
36	Silvery metal	Buckle of drawstring
37	Silvery metal	Eyelet
38	Silvery metal	Eyelet base
39	Red coated red textile	Raw material
40	Black coated black textile	Raw material
41	Nomad must haves eco flip top backpack	Finished product (Red style)
42	Nomad must haves eco flip top backpack	Finished product (Blue style)
43	Nomad must haves eco flip top backpack	Finished product (Black style)
44	Blue coated blue textile	Raw material
45	Black mesh for back mesh	Raw material
46	Stripe textile for lining	Raw material
47	Nylon zipper	Raw material
48	Blue coated blue textile	Raw material
49	Nylon zipper	Raw material
50	Black mesh for back mesh	Raw material



**SAMPLE PHOTO:**





**SAMPLE PHOTO:**



**SAMPLE PHOTO:**



**SAMPLE PHOTO:**



-End Report-

