

TEST REPORT

Test Report # 19W-014114 Date of Report Issue: November 22, 2019
Date of Sample Received: September 12, 2019 Pages: Page 1 of 44

CLIENT INFORMATION:

Company: Spector & Co.
Address: -



SAMPLE INFORMATION:

Description: ACQUA TOP FLAP BACKPACK
Assortment: GRY
Model/style No.: BGR122
PO No.: PO# 7106100
SKU No.: BGR122GRY
Item No./Item Name: -
Factory/Supplier: USB059
Country of Origin: China
Country of Distribution: United States, Canada
Testing Period: 09/18/2019-09/27/2019,10/08/2019-10/12/2019,10/24/2019-10/30/2019,
11/18/2019-11/21/2019

OVERALL RESULT:

**PASS With
INFORMATION**

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

QIMA (HANGZHOU) TESTING CO., LTD.

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Operation Manager

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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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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	Uniform Packaging and Labeling Regulation
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	Consumer Packaging and Labeling Act (R.S., 1985, c. C-38)
PASS	Color Fastness to Crocking
PASS	Color Fastness to Water
PASS	Color Fastness to Light
Information only	Dimensions
Information only	The capacity in liters for bag
Information only	Article Weight
PASS	Defects
PASS	Workmanship



TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
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
Information only	Abrasion Resistance
PASS	Pilling Resistance
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



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.	32	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	32	---	---	---	---	90
Conclusion	PASS	---	---	---	---	

Note:

mg/kg =Milligrams per kilogram

LT = Less than

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

Remark:

The specification is quoted from client’s requirement.



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	2+3+6	4+5	7+9+11	8+10+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	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	12+19	13+14+15	16	17+23+24	18	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	17	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	20	21	22+30	25+31	26	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	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	27	28	33	34	35	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	65	25	29	ND	100
Conclusion	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.



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.	36	37	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)					
Total Lead (Pb)	28	ND	---	---	---	100
Conclusion	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.



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.	32	---	---	---	---	Total Limit (mg/kg)
Test Item	Result (mg/kg)					
Total Lead (Pb)	32	---	---	---	---	90
Total Mercury (Hg)	ND	---	---	---	---	10
Conclusion	PASS	---	---	---	---	

Note:

mg/kg=Milligrams per kilogram

LT = Less than

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



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	4+5	8+10+29	13+14+15	16	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	90
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	17+23+24	18	20	21	25+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	ND	ND	ND	ND	90
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	26	27	28	33	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	65	25	29	90
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	35	36	37	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	28	ND	---	---	90
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:

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.	32	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	75
Conclusion	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.



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	2+3+6	4+5	7+9+11	8+10+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	75
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	12+19	13+14+15	16	17+23+24	18	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	75
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	20	21	22+30	25+31	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	75
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	27	28	33	34	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	ND	ND	ND	ND	75
Conclusion	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.



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.	36	37	---	---	---	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	---	---	---	75
Conclusion	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.



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	2+3+6	4+5	7+9+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
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
Conclusion		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:

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.		8+10+29	12+19	13+14+15	17+23+24	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
Conclusion		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:

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.	18	22+30	25+31	32	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
Conclusion	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:

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	4+5	8+10+29	13+14+15	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
Conclusion		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.



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.		17+23+24	18	25+31	32	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
Conclusion		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.



DETAILED RESULTS:

Client's Requirement, Phthalates content

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

Specimen No.		1	2+3+6	4+5	7+9+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
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
Conclusion		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.		8+10+29	12+19	13+14+15	17+23+24	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
Conclusion		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.		18	22+30	25+31	32	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
Conclusion		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:

19 CFR 134.11, Country of Origin

Specimen No.	38	
Test	Observation	Conclusion
Country of Origin	Present on label	PASS

Uniform Packaging and Labeling Regulation

Specimen No.	38	
Test	Observation	Conclusion
Declaration of Identity	The packaging contains the declaration of identity	PASS
Declaration of Responsibility	The packaging contains the declaration of responsibility	PASS



DETAILED RESULTS:

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

Specimen No.	38	
Section	Requirement	Conclusion
2	Present on label	PASS

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

Specimen No.	38	
Clause	Test	Conclusion
c.C-11	French Labeling	PASS

Consumer Packaging and Labeling Act (R.S., 1985, c. C-38)

Specimen No.	38	
Section	Requirement	Conclusion
10	Place of Manufacture	PASS



DETAILED RESULTS:

Color Fastness to Crocking

Test Method: AATCC 8-2016

Specimen No.	38-Grey shell	38-Stripe lining	38-Mesh fabric	44	---	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	---	Min. 4.0
Wet staining	4.5	4.5	4.5	4.5	---	Min. 2.5
Conclusion	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.

Color Fastness to Water

Test Method: AATCC 107-2013

Specimen No.	38-Grey shell	38-Stripe lining	38-Mesh fabric	38-Tape	---	Client's requirement (Grade)
Items	Result (Grade)	Result	(Grade)	Result	(Grade)	
Change in shade	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	---	Min. 3.5
-Cotton	4.5	4.5	4.5	4.5	---	Min. 3.5
-Nylon	4.5	4.5	4.5	4.5	---	Min. 3.5
-Polyester	4.5	4.5	4.5	4.5	---	Min. 3.5
-Acrylic	4.5	4.5	4.5	4.5	---	Min. 3.5
-Wool	4.5	4.5	4.5	4.5	---	Min. 3.5
Conclusion	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 Light

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

Specimen No.	38-Grey shell	Client's requirement (Grade)
Items	Result (Grade)	
After 20 AFU Change in shade	4.0	Min. 4.0
Conclusion	PASS	-

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

Dimensions

Test Method: IHTM, Standard Measure;

Specimen No.	38	Client's requirement
Items	Result (inch)	
Length	11 ¹ / ₈	N/A
Width	6 ² / ₈	
Height	16	
Conclusion	Information only	-



DETAILED RESULTS:

The capacity in liters for bag

Test Method: IHTM, Standard Measure;

Specimen No.	38	Client's requirement
Items	Result (liter)	
Capacity	16.8	N/A
Conclusion	Information only	-

Article Weight

Test Method: IHTM 010

Specimen No.	38	Client's requirement
Items	Result	
(g/piece)	486	N/A
Conclusion	Information only	-



DETAILED RESULTS:

Defects

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

Specimen No.	38	Requirement
Item	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; Visual Examination

Specimen No.	38	Requirement
Item	Result	
Observation	No major poor workmanship	<p>Visual examination to verify noticeable poor Workmanship (such as:</p> <p>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.</p> <p>Poor riveting metal eyelet or other metal parts</p> <p>Dirty / Glue/ Scratch / Wrinkle / Pen Mark / Oil Stain / Water Stain</p> <p>The inside hiding thread expose.</p> <p>Poor electro-plating or spraying on handle metal plate Obvious Scratched mark on extendable handle or metal plate</p> <p>Fabric , webbing band or strap getting discoloration</p>
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				Face Length
Preliminary Tests	<u>Fabric Surface</u>	Smooth	<u>Test Specimen Direction</u>		
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	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)	17.0	-	17.4	-	>3.5s
(2)	17.5	-	16.2	-	
(3)	16.7	-	16.7	-	
(4)	16.6	-	16.9	-	
(5)	17.9	-	17.6	-	
(Avg.)	17.1	-	17.0	-	
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:

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

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

Specimen No.	41				
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.	42				Face Length
Preliminary Tests	<u>Fabric Surface</u>	Smooth	<u>Test Specimen Direction</u>		
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:

Fabric Weight Per Unit Area

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

Specimen No.	39	40	Client's requirement
Items	Result	Result	
(g/m ²)	220	75.6	N/A
(oz/yd ²)	6.49	2.23	N/A
Conclusion	Information only	Information only	-

Tensile Strength

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

Specimen No.	39	---	---	---	---	Client's requirement (lbf)
Items	Result (lbf)					
Length	131.7	---	---	---	---	Min. 25
Width	106.8	---	---	---	---	Min. 25
Conclusion	PASS	---	---	---	---	-

Specimen No.	40	---	---	---	---	Client's requirement (lbf)
Items	Result (lbf)					
Warp	84.7	---	---	---	---	Min. 25
Weft	67.8	---	---	---	---	Min. 25
Conclusion	PASS	---	---	---	---	-



DETAILED RESULTS:

Tearing Strength

Test Method: ASTM D1424-09(R2013) Elmendorf

Specimen No.	39	Client's requirement (lbf)
Items	Result (lbf)	
Length yarns torn	10.5	Min. 1.5
Width yarns torn	8.2	Min. 1.5
Conclusion	PASS	-

Note: Length test - test in which the Length yarns are torn.
Width test - test in which the Width yarns are torn.

Tearing Strength

Test Method: ASTM D1424-09(R2013) Elmendorf

Specimen No.	40	Client's requirement (lbf)
Items	Result (lbf)	
Warp yarns torn	5.6	Min. 1.5
Weft yarns torn	4.2	Min. 1.5
Conclusion	PASS	-

Note: Warp test - test in which the warp yarns are torn.
Weft test - test in which the weft yarns are torn.



DETAILED RESULTS:

Seam Strength

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

Specimen No.	38	Client's requirement (lbf)
Items	Result (lbf)	
Side seam	61.7(S.T.B.)	Min. 25
Bottom seam-Length	69.8(S.T.B.)	Min. 25
Bottom seam-Width	54.4(S.T.B.)	Min. 25
Conclusion	PASS	-

Remarks: S.T.B. = Sewing Thread Breaks.

Abrasion Resistance

Test Method: ASTM D4966-12^{ε1}, Option 1; Martindale Wear & Abrasion Tester; 12kPa Pressure

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

Specimen No.	45*	Client's requirement (rubs)
Items	Result (rubs)	
End point	8300	N/A
Conclusion	Information only	-

Remark: *: just mention that the Abrasion Resistance- black mesh fabric (raw material for back side) was done on 8300 rubs



DETAILED RESULTS:

Pilling Resistance

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

Specimen No.	39	41	Client's requirement
Items	Result	Result	
As received Rating	4.5	4.5	Min. 3.5
Conclusion	PASS	PASS	-

Remarks: Pilling Rating

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



DETAILED RESULTS:

Zipper Strength

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

Specimen No.	43	
Items	Result	Client's requirement
Chain Crosswise Strength Test (lbf)	220.7(Elements separate)	Min. 175
Resistance to Pull-Off Slider Pull (lbf)	78.8(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.	43	
Items	Result	Client's requirement
Chain opening (lbf)	0.2	Max. 2
Chain closing (lbf)	0.2	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 16 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			-

- 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

Water Resistance –Rain Test

Test Method: AATCC 35-2018; Rain Test-600 mm 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				-



DETAILED RESULTS:

Fiber Content

Test Method: AATCC 20-2018

Specimen No.	38-Grey shell		
Items	Client's requirement	Result	Conclusion
Polyester (%)	N/A	100	Information only

Specimen No.	38-Stripe lining		
Items	Client's requirement	Result	Conclusion
Polyester (%)	N/A	100	Information only



DETAILED RESULTS:

Client's Requirement for Static Load Test

Test Item	Test Method	Requirement	Conclusion
Static Load test	1. Visual check the normal function of the sample under test as received. 2. Place the test load on the center of the bag with 10kg for 2 hours. 3. Observe and record any failure, structural breakage, deformation or any other unusual change from the original state of sample.	No failure, No structural breakage, No damage and deformation.	PASS



SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Transparent coated grey textile	Main body
2	White non-woven textile	Main body
3	Black/white stripe textile	Lining
4	Black foam	Filler
5	White foam	Filler
6	Black textile	Edge
7	Black textile	Elastic
8	Black soft plastic	Elastic
9	Black textile	Side bag
10	Black soft plastic	Side bag
11	Black mesh textile	Shoulder girdle
12	Black textile	Shoulder girdle
13	Black plastic	Adjustable buckle
14	Black plastic	D-ring
15	Black plastic	Frame of lobster clasp
16	Silvery metal	Push rod of lobster clasp
17	Black plastic	Base of lobster clasp
18	Black printed white textile	Label
19	Black textile with white embroidery thread	Woven label
20	Silvery metal	Eyelet
21	Silvery metal	Base of eyelet
22	Black textile	String
23	Black plastic	Main body of hasp
24	Black plastic	Button of hasp
25	Black plastic	End string
26	Silvery metal	Cap



SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
27	Silvery metal	Stud
28	Silvery metal	Socket
29	Black soft plastic	Belt
30	Black textile	Zipper cloth
31	Black plastic	Zipper teeth
32	Black coating	Zipper head
33	Silvery metal	Zipper slider
34	Silvery metal	Ring of zipper puller
35	Bright silvery metal	Square buckle
36	Bright silvery metal	Metal tube of square buckle
37	Bright silvery metal	Pin
38	Bag	Finished product
39	Grey textile	Raw material for shell
40	Stripe textile	Raw material for lining
41	Black mesh	Raw material for back side
42	Black textile	Raw material for side pocket
43	Zipper	Raw material
44	Tape	Raw material
45	Black mesh	Raw material for back side



SAMPLE PHOTO:



SAMPLE PHOTO:



SAMPLE PHOTO:



SAMPLE PHOTO:



-End Report-

