QIMA
YOUR EYES IN THE SUPPLY CHAIN

TEST REPORT

Test Report #	19W-009028-S2	Date of Report Issue:	December 6, 2019
Date of Sample Received:	June 17, 2019	Pages:	Page 1 of 61

CLIENT INFORMATION:

Company:	Spector & Co.
Address:	-

SAMPLE INFORMATION:

[+]Description:	Physical test for BG206 BG403 BG704 BG115
Assortment:	ZIPPERS AND BARTAK
Model/style No.:	ALL
PO No.:	-
SKU No.:	-
Item No./Item Name:	BREVET ZIPPERS AND BARTAK
Factory/Supplier:	USB059
Country of Origin:	China
Country of Distribution:	Canada,United States
Testing Period:	06/17/2019-06/18/2019,06/20/2019-06/28/2019,07/04/2019-07/17/2019 07/22/2019-07/30/2019,08/07/2019-08/13/2019,09/11/2019-09/19/2019

OVERALL RESULT:

[+]PASS With INFORMATION

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

QIMA (HANGZHOU) TESTING CO., LTD.

August Yuan
Operation Manager

QIMA (HANGZHOU) TESTING CO., LTD.

Kevin Lee
Technical Manager

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	Zipper Strength
PASS	Zipper Operability
PASS	Seam Strength
PASS	Client's Requirement for Static Load Test
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

TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
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	Bursting Strength
Information only	[+]Abrasion Resistance
PASS	Pilling Resistance
PASS	Shear Strength Of Hook & Loop
Information only	Peeling Strength of Hooks
PASS	Water Repellency-Spray Test
PASS	Water Resistance –Rain Test
Information only	Fiber Content

Remark:

1) As per client's request, resubmit specimen no.33 for Abrasion Resistance retest.

2) [+]Revised information and supersedes the previous report no. 19W-009028-S1 date: 08/28/2019

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	---	---	---	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	21	---	---	---	---	**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.	9	10	11	12	13	**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	37	29	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

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

Specimen No.	19	21	22	23	24	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	36	28	ND	ND	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)

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.	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)	30	22	---	---	---	**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.	20	---	---	---	---	**Total Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	21	---	---	---	---	**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.	10	11	12	14	15	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	37	29	ND	24	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16	19	21	22	24	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	23	36	28	ND	ND	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	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)	30	22	---	---	---	**90**
Conclusion	PASS	PASS	---	---	---	

Note:
mg/kg=Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 15 mg/kg)

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	---	---	---	---	**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.	9	10	11	12	13	**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.	14	15	16	17	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.	19	21	22	23	24	**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)

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.	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	---	---	---	**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.		10	14	20	22	**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)

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(Modified), In-House Method
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		10	14	20	22	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)

DETAILED RESULTS:

Client's Requirement, Phthalates content

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

Specimen No.		10	14	20	22	**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)

Remark:

The specification is quoted from client's requirement.

DETAILED RESULTS:

Zipper Strength

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

Specimen No.	1	
Items	Result	Client's requirement
Chain Crosswise Strength Test (lbf)	118.9(tape break)	Min. 80
Element Pull-Off Test (lbf)	22.4(tape break)	Min. 11
Element Slippage Test (lbf)	31.4(Elements pull off)	Min. 9
Resistance to Pull-Off Slider Pull (lbf)	99.4(Puller Pull Out)	Min.35
Resistance to Twist of Pull and Slider Test Clockwise (lb. inch) Counter-Clockwise (lb. inch)	 >7.8 >7.8	Min.4
Conclusion	PASS	

Zipper Operability

Test Method: ASTM D2062-03(R2014)

Specimen No.	1	
Items	Result	Client's requirement
Chain opening (lbf)	0.4	Max. 2
Chain closing (lbf)	0.5	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:

Zipper Strength

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

Specimen No.	2	
Items	Result	Client's requirement
Chain Crosswise Strength Test (lbf)	215.7(Tape break)	Min. 175
Resistance to Pull-Off Slider Pull (lbf)	37.0(Puller pull out)	Min.35
Resistance to Twist of Pull and Slider Test Clockwise (lb. inch) Counter-Clockwise (lb. inch)	 4.9 5.3	Min.4
Conclusion	PASS	

Zipper Operability

Test Method: ASTM D2062-03(R2014)

Specimen No.	2	
Items	Result	Client's requirement
Chain opening (lbf)	0.5	Max. 2
Chain closing (lbf)	0.9	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 13 of tested specimens, based on the request from the applicant.

DETAILED RESULTS:

Zipper Strength

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

Specimen No.	3	
Items	Result	Client's requirement
Chain Crosswise Strength Test (lbf)	206.1(Elements separate)	Min. 175
Resistance to Pull-Off Slider Pull (lbf)	52.6(Puller pull out)	Min.35
Resistance to Twist of Pull and Slider Test Clockwise (lb. inch) Counter-Clockwise (lb. inch)	 5.0 4.4	Min.4
Conclusion	PASS	

Zipper Operability

Test Method: ASTM D2062-03(R2014)

Specimen No.	3	
Items	Result	Client's requirement
Chain opening (lbf)	0.5	Max. 2
Chain closing (lbf)	0.8	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 15 of tested specimens, based on the request from the applicant.

DETAILED RESULTS:

Zipper Strength

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

Specimen No.	4	
Items	Result	Client's requirement
Chain Crosswise Strength Test (lbf)	208.1(Elements pull off)	Min. 175
Resistance to Pull-Off Slider Pull (lbf)	70.1(Puller pull out)	Min.35
Resistance to Twist of Pull and Slider Test Clockwise (lb. inch) Counter-Clockwise (lb. inch)	 >7.8* >7.8*	Min.4
Conclusion	PASS	

Zipper Operability

Test Method: ASTM D2062-03(R2014)

Specimen No.	4	
Items	Result	Client's requirement
Chain opening (lbf)	0.4	Max. 2
Chain closing (lbf)	0.6	Max. 2
Conclusion	PASS	

Remark:

*: The maximum capacity of the tester is 7.8(lb. inch)

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 8 of tested specimens, based on the request from the applicant.

DETAILED RESULTS:

Seam Strength

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

Specimen No.	5		
Items	Client's requirement	Result	Conclusion
Seam1 (lbf)	Min. 25	100(F.T.S.)	PASS

Remarks: F.T.S.=Fabric tear at seam

Reference Photo


DETAILED RESULTS:

Seam Strength

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

Specimen No.	6		
Items	Client's requirement	Result	Conclusion
Seam1 (lbf)	Min. 25	141.1(F.T.S.)	PASS
Seam2 (lbf)	Min. 25	160.3(F.T.S.)	

Remarks: F.T.S.=Fabric tear at seam

Reference Photo


DETAILED RESULTS:

Seam Strength

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

Specimen No.	7		
Items	Client's requirement	Result	Conclusion
Seam1 (lbf)	Min. 25	161.4(S.T.B.)	PASS
Seam2 (lbf)	Min. 25	94.9(S.T.B.)	

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

Reference Photo


DETAILED RESULTS:

Seam Strength

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

Specimen No.	8		
Items	Client's requirement	Result	Conclusion
Seam1 (lbf)	Min. 25	153.4(F.T.S.)	PASS
Seam2 (lbf)	Min. 25	167.7(F.T.S.)	
Seam3 (lbf)	Min. 25	501.8(H.B.)	
Seam4 (lbf)	Min. 25	563.0(F.T.S.)	

Remarks: S.T.B. = Sewing Thread Breaks.
F.T.S.=Fabric tear at seam
H.B.= Handle broken

Reference Photo


DETAILED RESULTS:

Seam Strength

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

Specimen No.	5	Client's requirement (lbf)
Items	Result (lbf)	
Side seam	94.2(S.T.B.)	Min. 25
Bottom seam-Length	96.7(S.T.B.)	Min. 25
Conclusion	PASS	-

Specimen No.	6	Client's requirement (lbf)
Items	Result (lbf)	
Side seam	65.2(S.T.B.)	Min. 25
Bottom seam-Length	64.9(S.T.B.)	Min. 25
Bottom seam-Width	102.3(S.T.B.)	Min. 25
Conclusion	PASS	-

Specimen No.	7	Client's requirement (lbf)
Items	Result (lbf)	
Side seam	64.8(S.T.B.)	Min. 25
Bottom seam- Length	70.6(S.T.B.)	Min. 25
Conclusion	PASS	-

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

DETAILED RESULTS:

Seam Strength

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

Specimen No.	8	Client's requirement (lbf)
Items	Result (lbf)	
Side seam	53.6(S.T.B.)	Min. 25
Bottom seam-Width	81.7(S.T.B.)	Min. 25
Conclusion	PASS	-

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

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 bags with 25lbs(Small bag)/50lbs(Big bag) 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

DETAILED RESULTS:

19 CFR 134.11, Country of Origin

Specimen No.	5	6	7	8	---
Test	Observation	Observation	Observation	Observation	Observation
Country of Origin	Present on label	Present on label	Present on label	Present on label	---
Conclusion	PASS	PASS	PASS	PASS	---

Uniform Packaging and Labeling Regulation

Specimen No.	5	
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

Specimen No.	6	
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

Specimen No.	7	
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

Specimen No.	8	
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.	5	6	7	8	---
Section	Requirement	Requirement	Requirement	Requirement	Requirement
2	Present on label	Present on label	Present on label	Present on label	---
Conclusion	PASS	PASS	PASS	PASS	---

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

Specimen No.	5	6	7	8	---
Clause	Test	Test	Test	Test	Test
c.C-11	French Labeling	French Labeling	French Labeling	French Labeling	---
Conclusion	PASS	PASS	PASS	PASS	---

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

Specimen No.	5	6	7	8	---
Section	Requirement	Requirement	Requirement	Requirement	Requirement
10	Place of Manufacture	Place of Manufacture	Place of Manufacture	Place of Manufacture	---
Conclusion	PASS	PASS	PASS	PASS	---

Color Fastness to Crocking

Test Method: AATCC 8-2016

Specimen No.	5- grey shell fabric	5-strap	5-stripe lining fabric	5- lining mesh	5-back mesh	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.	6- grey shell fabric	6-Stripe lining fabric	6- lining mesh	6-Strap	7-Black shell fabric	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	4.0	Min. 4.0
Wet staining	4.5	4.5	4.5	4.5	4.0	Min. 2.5
Conclusion	PASS	PASS	PASS	PASS	PASS	-

Specimen No.	7-Grey shell fabric	7-Stripe lining fabric	7- lining mesh	7-back mesh	7-Strap	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	-

Specimen No.	8-Black shell fabric	8-Grey shell fabric	8-Stripe lining fabric	8- lining mesh	8- back mesh	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4.0	4.5	4.5	4.5	4.5	Min. 4.0
Wet staining	4.0	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.	8-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	---	---	---	---	-

Color Fastness to Water

Test Method: AATCC 107-2013

Specimen No.	5- grey shell fabric	5-strap	5-stripe lining fabric	5- lining mesh	5-back mesh	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	4.0	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	4.0	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.	6- grey shell fabric	6-Stripe lining fabric	6- lining mesh	6-Strap	7-Black shell fabric	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	4.0	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	4.0	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	-

Specimen No.	7-Grey shell fabric	7-Stripe lining fabric	7- lining mesh	7-back mesh	7-Strap	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	4.0	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	4.0	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.	8-Black shell fabric	8-Grey shell fabric	8-Stripe lining fabric	8- lining mesh	8- back mesh	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	4.0	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	4.0	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	-

Specimen No.	8-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.

DETAILED RESULTS:

Color Fastness to Light

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

Specimen No.	5-Grey shell fabric	6-Grey shell fabric	6-Strap	7-Black shell fabric	7-Grey shell fabric	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
After 20 AFU Change in shade	4.5	4.5	4.5	4.5	4.5	Min. 4.0
Conclusion	PASS	PASS	PASS	PASS	PASS	-

Specimen No.	8-Black shell fabric	8-Grey shell fabric	8-Strap	5-Strap	7-Strap	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
After 20 AFU Change in shade	4.5	4.5	4.5	4.5	4.5	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.	5	6	7	8	---	Client's requirement
Items	Result (inch)	Result (inch)	Result (inch)	Result (inch)	Result (inch)	
Length	$8\ ^{6}/_{8}$	$16\ ^{1}/_{8}$	$11\ ^{4}/_{8}$	$20\ ^{7}/_{8}$	---	N/A
Width	$2\ ^{4}/_{8}$	3	$4\ ^{6}/_{8}$	$12\ ^{2}/_{8}$	---	
Height	$6\ ^{2}/_{8}$	12	18	12	---	
Conclusion	Information only	Information only	Information only	Information only	---	-

The capacity in liters for bag

Test Method: IHTM, Standard Measure;

Specimen No.	5	6	7	8	---	Client's requirement
Items	Result (liter)	Result (liter)	Result (liter)	Result (liter)	Result (liter)	
Capacity	1.9	8.4	14.7	47.7	---	N/A
Conclusion	Information only	Information only	Information only	Information only	---	-

DETAILED RESULTS:

Article Weight

Test Method: IHTM 010

Specimen No.	5	6	7	8	---	Client's requirement
Items	Result	Result	Result	Result	Result	
(g/piece)	279	523	630	958	---	N/A
Conclusion	Information only	Information only	Information only	Information only	---	-

Defects

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

Specimen No.	5	6	7	8	---	Requirement
Item	Result	Result	Result	Result	Result	
Observation	No major defect	No major defect	No major defect	No major defect	---	Visual examination to verify noticeable defects (such as missing components, obvious knitting /weaving defects, improper functioning component).
Conclusion	PASS	PASS	PASS	PASS	---	-

DETAILED RESULTS:

Workmanship

Test Method: IHTM; Visual Examination

Specimen No.	5	6	7	Requirement
Item	Result			
Observation	No major poor workmanship	No major poor workmanship	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	PASS	PASS	-

DETAILED RESULTS:

Workmanship

Test Method: IHTM; Visual Examination

Specimen No.	8	---	---	Requirement
Item	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.	27				
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)	-	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℃ 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.	28				
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)	-	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℃ 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.	29				
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)	-	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℃ 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.	30				
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)	15.3	-	15.0	-	>3.5s
(2)	14.2	-	14.7	-	
(3)	15.5	-	14.2	-	
(4)	15.0	-	14.6	-	
(5)	15.6	-	14.6	-	
(Avg.)	15.1	-	14.6	-	
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℃ 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.	31				
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)	18.3	-	18.2	-	>3.5s
(2)	19.2	-	18.4	-	
(3)	19.0	-	17.8	-	
(4)	18.7	-	18.9	-	
(5)	18.0	-	18.3	-	
(Avg.)	18.6	-	18.3	-	
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℃ 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.	27	28	29	30	31	Client's requirement
Items	Result	Result	Result	Result	Result	
(g/m^2)	446	554	176	84.1	76.6	N/A
(oz/yd^2)	13.2	16.3	5.19	2.48	2.26	N/A
Conclusion	Information only	Information only	Information only	Information only	Information only	-

Tensile Strength

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

Specimen No.	27	28	31	---	---	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	Result (lbf)	Result (lbf)	Result (lbf)	
Warp	241.0	456.8	139.0	---	---	Min. 25
Weft	198.8	287.3	113.4	---	---	Min. 25
Conclusion	PASS	PASS	PASS	---	---	-

DETAILED RESULTS:

Tearing Strength

Test Method: ASTM D1424-09(R2013) Elmendorf

Specimen No.	27	28	31	---	---	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	Result (lbf)	Result (lbf)	Result (lbf)	
Warp yarns torn	10.3	>14.1	4.7	---	---	Min. 1.5
Weft yarns torn	10.4	>14.1	4.1	---	---	Min. 1.5
Conclusion	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

Bursting Strength

Test Method: ASTM D3786/D3786M-18; Mullen Bursting Tester

Specimen No.	29	30	---	---	---	Client's requirement
Items	Result	Result	Result	Result	Result	
Bursting Strength (P.S.I.)	148	121	---	---	---	Min. 40
Conclusion	PASS	PASS	---	---	---	-

DETAILED RESULTS:

+Abrasion Resistance

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

Specimen No.	27	28	---	---	---	Client's requirement (rubs)
Items	Result (rubs)	Result (rubs)	Result (rubs)	Result (rubs)	Result (rubs)	
End point	>10000	>10000	---	---	---	10000
Conclusion	PASS	PASS	---	---	---	-

Specimen No.	33*	---	---	---	---	Client's requirement (rubs)
Items	Result (rubs)	Result (rubs)	Result (rubs)	Result (rubs)	Result (rubs)	
End point	9300	---	---	---	---	N/A
Conclusion	Information only	---	---	---	---	-

Remark: *: just mention that the Abrasion Resistance- back mesh was done on 9300rubs

DETAILED RESULTS:

Pilling Resistance

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

Specimen No.	27	28	29	---	---	Client's requirement
Items	Result	Result	Result	Result	Result	
As received Rating	4.5	4.5	4.5	---	---	> 3.5
Conclusion	PASS	PASS	PASS	---	---	-

Remarks: Pilling Rating

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

DETAILED RESULTS:

Shear Strength Of Hook & Loop

Test Method: ASTM D5169-98(R2015);

Specimen No.	32		Client's requirement
Items	Result		
	Original (Kpa)	After 5000 cycles (Kpa)	
Mean Shear Strength	124	96	Min. 65(Kpa)
Conclusion	PASS	PASS	-

Peeling Strength of Hooks

Test Method: ASTM D5170-98(R2015); Effective width 1 inch

Specimen No.	32		Client's requirement
Items	Result		
	Original (lbf)	After 5000 cycles (lbf)	
Mean Peel Strength	2.8	1.8	N/A
Conclusion	Information only	Information only	-

DETAILED RESULTS:

Water Repellency-Spray Test

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

Specimen No.	27			Client's requirement
Items	Result			
	Specimen 1#	Specimen 2#	Specimen 3#	
As received Rating	90	90	90	Min. 90
Conclusion	PASS			-

Specimen No.	28			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 35-2018; Rain Test-2ft head Pressure; 2-min impact

Specimen No.	27				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.	28				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 20-2013

Specimen No.	5-Grey shell fabric*		
Items	Client's requirement	Result	Conclusion
Polyester (%)	N/A	100	Information only

Remark: *: Exclusive of Coating

Fiber Content

Test Method: AATCC 20-2013

Specimen No.	5-Black back mesh	5-Stripe lining fabric	---	---	---	Client's requirement
Items	Result	Result	Result	Result	Result	
Polyester (%)	100	100	---	---	---	N/A
Conclusion	Information only	Information only	---	---	---	-

Fiber Content

Test Method: AATCC 20-2013

Specimen No.	6-Grey shell fabric*		
Items	Client's requirement	Result	Conclusion
Polyester (%)	N/A	100	Information only

Remark: *: Exclusive of Coating

DETAILED RESULTS:

Fiber Content

Test Method: AATCC 20-2013

Specimen No.	6-Stripe lining fabric	6- Black lining mesh	---	---	---	Client's requirement
Items	Result	Result	Result	Result	Result	
Polyester (%)	100	100	---	---	---	N/A
Conclusion	Information only	Information only	---	---	---	-

Fiber Content

Test Method: AATCC 20-2013

Specimen No.	7-Grey shell fabric*		
Items	Client's requirement	Result	Conclusion
Polyester (%)	N/A	100	Information only

Remark: *: Exclusive of Coating

Test Method: AATCC 20-2013

Specimen No.	7-Black shell fabric*		
Items	Client's requirement	Result	Conclusion
Polyester (%)	N/A	100	Information only

Remark: *: Exclusive of Coating

DETAILED RESULTS:

Fiber Content

Test Method: AATCC 20-2013

Specimen No.	7-Stripe lining fabric	---	---	---	---	Client's requirement
Items	Result	Result	Result	Result	Result	
Polyester (%)	100	---	---	---	---	N/A
Conclusion	Information only	---	---	---	---	-

Fiber Content

Test Method: AATCC 20-2013

Specimen No.	8-Grey shell fabric*		
Items	Client's requirement	Result	Conclusion
Polyester (%)	N/A	100	Information only

Remark: *: Exclusive of Coating

Test Method: AATCC 20-2013

Specimen No.	8-Black shell fabric*		
Items	Client's requirement	Result	Conclusion
Polyester (%)	N/A	100	Information only

Remark: *: Exclusive of Coating

DETAILED RESULTS:

Fiber Content

Test Method: AATCC 20-2013

Specimen No.	8-Stripe lining fabric	8- Black lining mesh	---	---	---	Client's requirement
Items	Result	Result	Result	Result	Result	
Polyester (%)	100	100	---	---	---	N/A
Conclusion	Information only	Information only	---	---	---	-

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Metal Zipper	Raw material
2	D ring black nylon zipper	Raw material
3	Silver small puller zipper	Raw material
4	Silver big puller zipper	Raw material
5	Grey waist bag	Finished product
6	Messenger Bag	Finished product
7	Backpack bag	Finished product
8	Single-shoulder bag	Finished product
9	Black textile	Zipper cloth(silvery small zipper puller style)
10	Black plastic	Zipper teeth(silvery small zipper puller style)
11	Silvery metal	Zipper puller(silvery small zipper puller style)
12	Silvery metal	Zipper slider(silvery small zipper puller style)
13	Black textile	Zipper cloth(silvery big zipper puller style)
14	Black plastic	Zipper teeth(silvery big zipper puller style)
15	Silvery metal	Zipper puller(silvery big zipper puller style)
16	Silvery metal	Zipper slider(silvery big zipper puller style)
17	Black textile	Zipper cloth(D shape style)
18	Black textile	Zipper puller(D shape style)
19	Silvery metal	Zipper puller(D shape style)
20	Black coating	Zipper head(D shape style)
21	Silvery metal	Zipper slider(D shape style)
22	Black plastic	Zipper teeth(D shape style)
23	Black textile	Zipper cloth(metal style)
24	Silvery metal	Zipper teeth(metal style)
25	Silvery metal	Zipper puller(metal style)

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
26	Silvery metal	Zipper slider(metal style)
27	Grey fabric	Raw material for shell main fabric
28	Black fabric	Raw material for shell fabric
29	Black mesh fabric	Raw material for shell fabric
30	Black mesh fabric	Raw material for inner mesh
31	Stripe print fabric	Raw material for Lining
32	Velcro tape	Raw material
33+	Black mesh fabric	Raw material for shell fabric-resend by client

SAMPLE PHOTO:

SAMPLE PHOTO:

SAMPLE PHOTO:

SAMPLE PHOTO:

+SAMPLE PHOTO:

The following photos were provided by client, only for reference.

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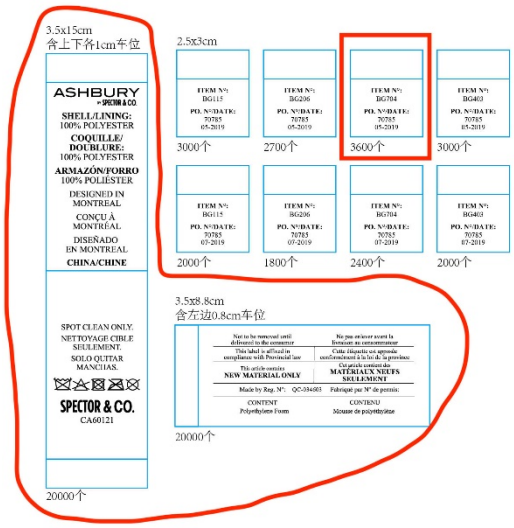
BVT19117#



-End Report-