QIMA
YOUR EYES IN THE SUPPLY CHAIN

TEST REPORT

Test Report #	19W-020804	Date of Report Issue:	March 30, 2020
Date of Sample Received:	December 17, 2019	Pages:	Page 1 of 56

CLIENT INFORMATION:

Company:	Spector & Co.
Address:	-

SAMPLE INFORMATION:

Description:	Water Resistant Messenger with back load laptop compartment and easy reach pocket.500D
Assortment:	GREEN&BLACK
Model/style No.:	CALL OF THE WILD MESSENGER
PO No.:	-
SKU No.:	BG402
Item No./Item Name:	-
Factory/Supplier:	USW031
Country of Origin:	China
Country of Distribution:	United States, Canada
Testing Period:	12/19/2019-12/25/2019, 03/20/2020-03/30/2020

OVERALL RESULT:

PASS with information

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

QIMA (HANGZHOU) TESTING CO., LTD.

Candy Ren
Textile Laboratory 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 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
N/A	Client's Requirement, Mercury content
N/A	Client's requirement, Total Nickel content
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	Textile Labeling Act and Textile Labelling and Advertising Regulations- Labeling Review
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
PASS	SOR/2016-194 and Method F01 Flammability of Textile Products

TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
Information only	Fabric Weight Per Unit Area
PASS	Tensile Strength
PASS	Tearing Strength
PASS	Seam Strength
PASS	Abrasion Resistance
PASS	Pilling Resistance
PASS	Zipper Strength
PASS	Zipper Operability
Information only	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-E-1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2	---	---	---	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	23	---	---	---	---	**90**
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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
2	18W-004173	2	November 5, 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+7	3	4+5+6	11	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	18	ND	ND	---	**100**
Conclusion	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.	
1+7	18W-004173	1+7	November 5, 2019
3	18W-004173	3	November 5, 2019
4+5+6	18W-004173	4+5+6	November 5, 2019
11	19W-020809	21	March 25, 2020

DETAILED RESULTS:

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

Test Method: ASTM F963-17 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2	---	---	---	---	**Total Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	23	---	---	---	---	**90**
Conclusion	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.	
2	18W-004173	2	November 5, 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+7	3	4+5+6	---	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	18	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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+7	18W-004173	1+7	November 5, 2019
3	18W-004173	3	November 5, 2019
4+5+6	18W-004173	4+5+6	November 5, 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.	2	---	---	---	---	**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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
2	18W-004173	2	November 5, 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+7	3	4+5+6	11	---	**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	---	**75**
Conclusion	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.	
1+7	18W-004173	1+7	November 5, 2019
3	18W-004173	3	November 5, 2019
4+5+6	18W-004173	4+5+6	November 5, 2019
11	19W-020809	21	March 25, 2020

DETAILED RESULTS:

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

Test Method: CPSC-CH-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+7	2	4+5+6	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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+7	18W-004173	1+7	November 5, 2019
2	18W-004173	2	November 5, 2019
4+5+6	18W-004173	4+5+6	November 5, 2019
11	19W-020809	21	March 25, 2020

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-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+7	2	4+5+6	---	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**
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	---	**1000**
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	---	**1000**
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	---	**1000**
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	---	**1000**
Conclusion		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.	
1+7	18W-004173	1+7	November 5, 2019
2	18W-004173	2	November 5, 2019
4+5+6	18W-004173	4+5+6	November 5, 2019

DETAILED RESULTS:

Client's Requirement, Phthalates content

Test Method: CPSC-CH-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+7	2	4+5+6	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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+7	18W-004173	1+7	November 5, 2019
2	18W-004173	2	November 5, 2019
4+5+6	18W-004173	4+5+6	November 5, 2019
11	19W-020809	21	March 25, 2020

DETAILED RESULTS:

19 CFR 134.11, Country of Origin

Specimen No.	8	
Test	Observation	Conclusion
Country of Origin	Present on label	PASS

Specimen No.	9	
Test	Observation	Conclusion
Country of Origin	Present on label	PASS

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

Uniform Packaging and Labeling Regulation

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

Specimen No.	9	
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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

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

Specimen No.	8	
Section	Requirement	Conclusion
2	Present on label	PASS

Specimen No.	9	
Section	Requirement	Conclusion
2	Present on label	PASS

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

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

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

Specimen No.	9	
Clause	Test	Conclusion
c.C-11	French Labeling	PASS

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

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

Specimen No.	8	
Section	Requirement	Conclusion
10	Place of Manufacture	PASS

Specimen No.	9	
Section	Requirement	Conclusion
10	Place of Manufacture	PASS

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Textile Labeling Act and Textile Labelling and Advertising Regulations- Labeling Review

Test Method: R.S.C., 1985, c. T-10& C.R.C., c. 1551, Visual Check.

Specimen No.		8
Test Parameters	Observation	Result
1.Fibre Content		
Every fibre which is present in an amount of 5 percent or more by mass must be declared on the label using its generic name. Exceptions apply where the article contains unknown or undetermined fibres. Additional requirements apply when reclaimed fibres are present. And if the textile article contains trimming or findings other labelling requirements or alternatives exist.	Comply with the requirement	Pass
Every fibre which is present in an amount of less than 5 percent by mass must be declared on the label using its generic name or the term, "other fibre". Special exceptions to this requirement exist for elastic yarns, reinforcement yarns and ornamentation.	N/A	N/A
In conjunction with the generic name, the amount of each fibre must be declared on the label as a percentage of the total fibre mass of the article or its components	Comply with the requirement	Pass
If the textile article consists of parts or sections differing in fibre content, each part or section must be declared on the label in a sectional disclosure. Sectional disclosures are also required for paddings or fillings, such as those used in pillows for beds or those added for warmth, linings and interlinings, as well as for carpets, fabric supported foams and pile, coated or impregnated fabrics.	N/A	N/A
2. Bilingual Requirement		
All fibre content information on the label must be bilingual, except in areas where only one official language is used in consumer transactions	Comply with the requirement	Pass
3. Dealer Identity		
The dealer identity (business name and address) must be displayed on the label. Alternatively, a dealer in Canada may use a CA identification number.	Comply with the requirement	Pass
4. Country Of Origin		
If the article or any fabric or fibre therein is imported, Country of origin must be displayed on the label.	Comply with the requirement	Pass

Specimen No.		8
Test Parameters	Observation	Result
5. Form And Application Of Labels		
The form of a label must ensure that the information contained on the label is factual, legible and accessible to the prospective consumer at the time of purchase.	Comply with the requirement	Pass
Depending on the type of article being labelled, either a permanent or non-permanent label must be applied to a consumer textile article. Special requirements exist for prepackaged articles and labelling alternatives exist for home-crafted articles. Exceptions to this requirement exist for custom-made articles, such as a tailored suit or a carpet cut to the customer's specification.	Comply with the requirement	Pass
Conclusion		PASS

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019

DETAILED RESULTS:

Textile Labeling Act and Textile Labelling and Advertising Regulations- Labeling Review

Test Method: R.S.C., 1985, c. T-10& C.R.C., c. 1551, Visual Check.

Specimen No.		9
Test Parameters	Observation	Result
1.Fibre Content		
Every fibre which is present in an amount of 5 percent or more by mass must be declared on the label using its generic name. Exceptions apply where the article contains unknown or undetermined fibres. Additional requirements apply when reclaimed fibres are present. And if the textile article contains trimming or findings other labelling requirements or alternatives exist.	Comply with the requirement	Pass
Every fibre which is present in an amount of less than 5 percent by mass must be declared on the label using its generic name or the term, "other fibre". Special exceptions to this requirement exist for elastic yarns, reinforcement yarns and ornamentation.	N/A	N/A
In conjunction with the generic name, the amount of each fibre must be declared on the label as a percentage of the total fibre mass of the article or its components	Comply with the requirement	Pass
If the textile article consists of parts or sections differing in fibre content, each part or section must be declared on the label in a sectional disclosure. Sectional disclosures are also required for paddings or fillings, such as those used in pillows for beds or those added for warmth, linings and interlinings, as well as for carpets, fabric supported foams and pile, coated or impregnated fabrics.	N/A	N/A
2. Bilingual Requirement		
All fibre content information on the label must be bilingual, except in areas where only one official language is used in consumer transactions	Comply with the requirement	Pass
3. Dealer Identity		
The dealer identity (business name and address) must be displayed on the label. Alternatively, a dealer in Canada may use a CA identification number.	Comply with the requirement	Pass
4. Country Of Origin		
If the article or any fabric or fibre therein is imported, Country of origin must be displayed on the label.	Comply with the requirement	Pass

Specimen No.		9
Test Parameters	Observation	Result
5. Form And Application Of Labels		
The form of a label must ensure that the information contained on the label is factual, legible and accessible to the prospective consumer at the time of purchase.	Comply with the requirement	Pass
Depending on the type of article being labelled, either a permanent or non-permanent label must be applied to a consumer textile article. Special requirements exist for prepackaged articles and labelling alternatives exist for home-crafted articles. Exceptions to this requirement exist for custom-made articles, such as a tailored suit or a carpet cut to the customer's specification.	Comply with the requirement	Pass
Conclusion		PASS

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Color Fastness to Crocking

Test Method: AATCC 8-2016

Specimen No.	8-Black Shell	9-Green Shell	8-Lining	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4.5	4.5	4.5	Min. 4.0
Wet staining	4.5	4.5	4.5	Min. 2.5
Conclusion	PASS	PASS	PASS	-

Specimen No.	9-Lining	8-Tape	9-Tape	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4.5	4.0	4.0	Min. 4.0
Wet staining	4.5	4.5	4.5	Min. 2.5
Conclusion	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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Color Fastness to Water

Test Method: AATCC 107-2013

Specimen No.	8-Black Shell	9-Green Shell	8-Lining	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	
Change in shade	4.5	4.5	4.5	Min. 4.0
Staining on multi-fiber stripe				
-Acetate	4.5	4.5	4.0	Min. 3.5
-Cotton	4.5	4.5	4.5	Min. 3.5
-Nylon	4.5	4.5	4.5	Min. 3.5
-Polyester	4.5	4.5	4.5	Min. 3.5
-Acrylic	4.5	4.5	4.5	Min. 3.5
-Wool	4.5	4.5	4.5	Min. 3.5
Conclusion	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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Color Fastness to Water

Test Method: AATCC 107-2013

Specimen No.	9-Lining	8-Tape	9-Tape	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	Result (Grade)	
Change in shade	4.5	4.5	4.5	Min. 4.0
Staining on multi-fiber stripe				
-Acetate	4.0	4.0	4.0	Min. 3.5
-Cotton	4.5	4.0	4.0	Min. 3.5
-Nylon	4.5	4.0	4.0	Min. 3.5
-Polyester	4.5	4.5	4.5	Min. 3.5
-Acrylic	4.5	4.5	4.5	Min. 3.5
-Wool	4.5	4.0	4.0	Min. 3.5
Conclusion	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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Color Fastness to Light

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

Specimen No.	8-Black Shell	9-Green Shell	Client's requirement (Grade)
Items	Result (Grade)	Result (Grade)	
After 20 AFU Change in shade	4.5	4.5	Min. 4.0
Conclusion	PASS	PASS	-

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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Dimensions

Test Method: IHTM, Standard Measure;

Specimen No.	8	Client's requirement
Items	Result (inch)	
Length	15 1/2	N/A
Width	3 1/2	
Height	14	
Conclusion	Information only	-

Specimen No.	9	Client's requirement
Items	Result (inch)	
Length	15 1/2	N/A
Width	3 1/2	
Height	14	
Conclusion	Information only	-

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

The capacity in liters for bag

Test Method: IHTM, Standard Measure;

Specimen No.	8	Client's requirement
Items	Result (liter)	
Capacity	10.3	N/A
Conclusion	Information only	-

Specimen No.	9	Client's requirement
Items	Result (liter)	
Capacity	10.3	N/A
Conclusion	Information only	-

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Article Weight

Test Method: IHTM 010

Specimen No.	8	9	Client's requirement
Items	Result	Result	
(g/piece)	621	657	N/A
Conclusion	Information only	Information only	-

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

Defects

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

Specimen No.	8	9	Requirement
Item	Result	Result	
Observation	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	-

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Workmanship

Test Method: IHTM; Visual Examination

Specimen No.	8	9	Requirement
Item	Result	Result	
Observation	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	-

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

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

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

Specimen No.	8-Shell				
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;

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019

DETAILED RESULTS:

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

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

Specimen No.	9-Shell				
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;

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

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

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

Specimen No.	8-Lining				
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;

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019

DETAILED RESULTS:

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

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

Specimen No.	9-Lining				
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;

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

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

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

Specimen No.	8-Inner mesh				
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)	17.9	BB	17.9	BB	>3.5s
(2)	18.7	BB	17.0	BB	
(3)	18.7	BB	18.7	BB	
(4)	17.5	BB	18.4	BB	
(5)	19.1	BB	18.0	BB	
(Avg.)	18.4	BB	18.0	BB	
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:

BB = Base burns;

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019

DETAILED RESULTS:

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

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

Specimen No.	9-Inner mesh				
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)	18.1	BB	17.3	BB	>3.5s
(2)	17.5	BB	18.2	BB	
(3)	18.0	BB	18.7	BB	
(4)	17.0	BB	17.0	BB	
(5)	18.9	BB	17.5	BB	
(Avg.)	17.9	BB	17.7	BB	
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:

BB = Base burns;

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

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

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

Specimen No.	8-Side mesh			
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
(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			

>3.5s

* 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;

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019

DETAILED RESULTS:

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

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

Specimen No.	9-Side mesh				
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;

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Fabric Weight Per Unit Area

Test Method: ASTM D3776/D3776M-09a(R2013),Option C;

Specimen No.	8-Shell	9-Shell	Client's requirement
Items	Result	Result	
(g/m^2)	540	552	N/A
(oz/yd^2)	15.9	16.3	N/A
Conclusion	Information only	Information only	-

Specimen No.	8-Lining	9-Lining	Client's requirement
Items	Result	Result	
(g/m^2)	67.8	67.8	N/A
(oz/yd^2)	2.00	2.00	N/A
Conclusion	Information only		-

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Tensile Strength

Test Method: ASTM D5034-09(Reapproved 2013); Instron CRE – 1" Grab

Specimen No.	8-Black shell	9-Green shell	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	
Length	226.2	216.8	Min. 25
Width	251.7	242.3	Min. 25
Conclusion	PASS	PASS	-

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Tensile Strength

Test Method: ASTM D5034-09(Reapproved 2013); Instron CRE – 1" Grab

Specimen No.	8-Lining	9-Lining	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	
Warp	99.4*	99.4*	Min. 25
Weft	65.8*	65.8*	Min. 25
Conclusion	PASS	PASS	-

Remark: *: All the specimens were jaw broken.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Tearing Strength

Test Method: ASTM D1424-09(R2013) Elmendorf

Specimen No.	8-Black shell	9-Green shell	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	
Length yarns torn	>14.1	>14.1	Min. 1.5
Width yarns torn	>14.1	>14.1	Min. 1.5
Conclusion	PASS	PASS	-

Note:
(1) Length test – test in which the Length yarns are torn.
Width test – test in which the Width yarns are torn.
(2) The maximum capacity of the tester is 14.1lbf

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Tearing Strength

Test Method: ASTM D1424-09(R2013) Elmendorf

Specimen No.	12	---	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	
Warp yarns torn	6.7	---	Min. 1.5
Weft yarns torn	2.8	---	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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
12	19W-020809	22	March 25, 2020

Seam Strength

Test Method: with reference to ASTM D 1683/D1683M-11a; Instron CRE

Specimen No.	8	9	Client's requirement (lbf)
Items	Result (lbf)	Result (lbf)	
Side seam	62.5(S.T.B.)	67.8(S.T.B.)	Min. 25
Bottom seam	71.2(S.T.B.)	72.0(S.T.B.)	Min. 25
Conclusion	PASS	PASS	-

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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Abrasion Resistance

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

Specimen No.	8-Black shell	9-Green shell	Client's requirement (rubs)
Items	Result (rubs)	Result (rubs)	
End point	>10000	>10000	10000
Conclusion	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.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Pilling Resistance

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

Specimen No.	8-Black shell	9-Green shell	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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Zipper Strength

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

Specimen No.	8	
Items	Result	Client's requirement
Chain Crosswise Strength Test (lbf)	227.1(Elements pull off)	Min. 175
Resistance to Pull-Off Slider Pull (lbf)	98.6(Puller pull out)	Min.35
Resistance to Twist of Pull and Slider Test Clockwise (lb. inch) Counter-Clockwise (lb. inch)	 >6.0 >6.0	Min.4
Conclusion	PASS	

Zipper Operability

Test Method: ASTM D2062-03(R2014)

Specimen No.	8	
Items	Result	Client's requirement
Chain opening (lbf)	1.8	Max. 2
Chain closing (lbf)	1.6	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 8 of tested specimens, based on the request from the applicant.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019

DETAILED RESULTS:

Zipper Strength

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

Specimen No.	9	
Items	Result	Client's requirement
Chain Crosswise Strength Test (lbf)	227.1(Elements pull off)	Min. 175
Resistance to Pull-Off Slider Pull (lbf)	98.6(Puller pull out)	Min.35
Resistance to Twist of Pull and Slider Test Clockwise (lb. inch) Counter-Clockwise (lb. inch)	 >6.0 >6.0	Min.4
Conclusion	PASS	

Zipper Operability

Test Method: ASTM D2062-03(R2014)

Specimen No.	9	
Items	Result	Client's requirement
Chain opening (lbf)	1.8	Max. 2
Chain closing (lbf)	1.6	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 8 of tested specimens, based on the request from the applicant.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Water Repellency-Spray Test

Test Method: AATCC 22-2014; Spray Test – Tested under controlled condition, water temperature: 27±1°C

Specimen No.	8-Shell*			Client's requirement
Items	Result			
	Specimen 1#	Specimen 2#	Specimen 3#	
As received Rating	85	85	85	N/A
Conclusion	Information only			-

Remark: *=just mention that the Water Repellency-Spray Test of Shell fabric was done on 85

Water Repellency-Spray Test

Test Method: AATCC 22-2014; Spray Test – Tested under controlled condition, water temperature: 27±1°C

Specimen No.	9-Shell			Client's requirement
Items	Result			
	Specimen 1#	Specimen 2#	Specimen 3#	
As received Rating	90	90	90	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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Water Resistance –Rain Test

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

Specimen No.	8-Shell				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.	9-Shell				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				-

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Fiber Content

Test Method: AATCC 20-2013/AATCC 20A-2014 & Analysis was performed by Beilstein Test.; based on moisture regain weight

Specimen No.	8-Coating of shell	9-Coating of shell	Client's requirement
Items	Result	Result	
The sample contains	Polyvinyl chloride	Polyvinyl chloride	N/A
Conclusion	Information only	Information only	-

Specimen No.	8-Base fabric of shell	9-Base fabric of shell	Client's requirement (%)
Items	Result (%)	Result (%)	
Polyester	100	100	N/A
Conclusion	Information only	Information only	-

Based on total weight

Specimen No.	8-Shell	9-Shell	Client's requirement (%)
Items	Result (%)	Result (%)	
Coating (Contains Polyvinyl chloride)	84.7	86.1	N/A
Polyester	15.3	13.9	N/A
Conclusion	Information only	Information only	-

Note: Based on ASTM D1909-13, Moisture regain of Polyvinyl chloride: 0.0%, Polyester: 0.4%

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Fiber Content

Test Method: AATCC 20-2013

Specimen No.	8-Lining	9-Lining	Client's requirement (%)
Items	Result (%)	Result (%)	
Polyester	100	100	N/A
Conclusion	Information only	Information only	-

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
8	18W-004173	8	November 5, 2019
9	18W-004173	9	November 5, 2019

DETAILED RESULTS:

Client's Requirement for Static Load Test

Test Item	Test Method	Requirement	Conclusion
Static Load test	Place the test load on the bag with 50lb for 2 hours.	No damage	PASS

Remark: Test results are transferred from test report no. 18W-004173 date:11/05/2019

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black coated black textile	Main body(black style)
2	Black coating	Zipper head(black style)
3	Silver metal	Zipper head(black style)
4	Black plastic	Zipper puller(black style)
5	Black plastic	Plastic buckle(black style)
6	Black plastic	Zipper teeth(black style)
7	Dark green coated black textile	Main body(dark green style)
8	Water Resistant Messenger with back load laptop compartment and easy reach pocket.500D	Finished product(Black style)
9	Water Resistant Messenger with back load laptop compartment and easy reach pocket.500D	Finished product(Green style)
10	Black woven fabric for lining of black bag & green bag	Raw material
11	Grey textile	Lining
12	Grey woven fabric for lining of black bag & green bag	Raw material

SAMPLE PHOTO:

SAMPLE PHOTO:

SAMPLE PHOTO:

SAMPLE PHOTO:

SAMPLE PHOTO:

-End Report-