SPECTOR & CO LTD
TEST REPORT

Technical Report: (8517)160-0190(Revised)

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SPECTOR & CO LTD
TEST REPORT

TO : SPECTOR & CO LTD
5700 KIERAN ROAD, MONTREAL, QC, H4S 2B5 /
CANADA

ATTN: CHRIS PEARSON
CC: chrisp@spectorandco.com

LAB NO.: (8517)160-0190(Revised)
FORM NO.: F0392274.958202749688
DATE IN: JUN 12, 2017
MODIFIED DATE IN: /
DATE OUT: JUN 19, 2017
NO. OF WORKING DAYS: 6
REVISED DATE: JUL 21, 2017

OVERALL RATING

PASS	X
FAIL	
DATA	

Sample Description:	BUSINESS SMART 2 FRONT POCKET BACKPACK		
Style No.:	BG1020 HEATHER GREY	No. of Cartons:	/
Item No.:	/	No. of Samples:	2PCS
Country of Origin:	CHINA	Country of Destination:	CANADA / USA
Lot No.:	/	P.O. No.:	31434
Previous Report No.:	/		

COMMENTS:

1. The submitted sample(s) meet client's phthalates content requirement as follow: **(PASS)**

Phthalates Content –As Client's Requirement for 8P Content

Parameter	CAS no.	Unit	Result			Maximum Allowable Limit
			1	2	3	
Dibutyl phthalate (DBP)	84-74-2	%	<0.005	<0.005	<0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	<0.005	<0.005	<0.005	0.1
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	<0.005	<0.005	<0.005	0.1
Di-iso-decyl phthalate (DIDP)	26761-40-0	%	<0.005	<0.005	<0.005	0.1
Di-n-hexyl (DnHP)	84-75-3	%	<0.005	<0.005	<0.005	0.1
Diethyl phthalate (DEP)	84-66-2	%	<0.005	<0.005	<0.005	0.1
Di-isononyl phthalate (DINP)	28553-12-0	%	<0.005	<0.005	<0.005	0.1
Di-n-octyl phthalate(DNOP)	117-84-0	%	<0.005	<0.005	<0.005	0.1
Conclusion	-	-	PASS	PASS	PASS	-

Parameter	CAS no.	Unit	Result				Maximum Allowable Limit
			4	5	6	7	
Dibutyl phthalate (DBP)	84-74-2	%	0.013	<0.005	<0.005	<0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	<0.005	<0.005	<0.005	<0.005	0.1
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.031	<0.005	<0.005	<0.005	0.1
Di-iso-decyl phthalate (DIDP)	26761-40-0	%	<0.005	<0.005	<0.005	<0.005	0.1
Di-n-hexyl (DnHP)	84-75-3	%	<0.005	<0.005	<0.005	<0.005	0.1
Diethyl phthalate (DEP)	84-66-2	%	<0.005	<0.005	<0.005	<0.005	0.1
Di-isononyl phthalate (DINP)	28553-12-0	%	<0.005	<0.005	<0.005	<0.005	0.1
Di-n-octyl phthalate(DNOP)	117-84-0	%	<0.005	<0.005	<0.005	<0.005	0.1
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Tested Item 1:	white coating (sewn label)/ black coating (zipper)
Tested Item 2:	Black plastic (zipper teeth)/ bright black plastic (buckle)/ black pp non-woven (rim)
Tested Item 3:	Black PVC, grey fabric (shell)
Tested Item 4:	Black fabric with black PVC backing (base) (All)
Tested Item 5:	Soft black fabric, grey thread (zipper lining) (All)/ dark black fabric (lining)/ bright black fabric (wrapper) (All)
Tested Item 6:	Dull black fabric, black thread (hook, rim, belt) (All)/ black net fabric (net on handle) (All)
Tested Item 7:	Soft black fabric (pocket) (All)/ white fabric (sewn label) (All)

2. The submitted sample(s) demonstrated **SATISFACTORY** level of total lead content as the lead content in surface coating comply with the requirement. **(PASS)**

TOTAL LEAD CONTENT IN SURFACE COATING

☐ **Consumer Product Safety Improvement Act (CPSIA) of 2008"Ban of Lead-containing paint and certain consumer products bearing Lead-containing paint",**

☐ **Canadian Hazardous Products Act (CHPA), R.S., c. H-3, Schedule I, Part 1, Item 2**

☒ **Client's total lead in surface coating**

☐ NO COMPOSITE ☒ COMPOSITE

Element:	Lead	

Requirement: Maximum allowable limit:		
☐CPSIA limit :	☐ 90 mg/kg	
☐CHPA limit:	☐ 600 mg/kg	
☒Client's limit:	☒ 90 mg/kg	

Sample Description				Result	Conclusion		
	Color / Component	Location	Style	(mg/kg)	☐CPSIA (90ppm)	☐CHPA (600ppm)	☒Client's Limit 90ppm
1.	White coating	Sewn label	All	<10 refer to 851716001 87	☐**PASS** ☐**FAIL**	☐**PASS** ☐**FAIL**	☒**PASS** ☐**FAIL**
2.	Black coating	Zipper	All	20	☐**PASS** ☐**FAIL**	☐**PASS** ☐**FAIL**	☒**PASS** ☐**FAIL**

LT = Less Than mg/kg = milligrams per kilogram (ppm = parts per million)
* = Average of duplicate analyses

3. The submitted sample(s) meet the Total Lead Content requirement as follow: **(PASS)**

Total Lead Content As Client's Requirement

Parameter	**Unit**	**Result**				**Maximum Allowable Limit**
		1	**2**	**3**	**4**	
Total Lead (Pb)	mg/kg	<10	19	87	<10	100
Conclusion	-	**PASS**	**PASS**	**PASS**	**PASS**	-

Parameter	**Unit**	**Result**				**Maximum Allowable Limit**
		5	**6**	**7**	**8**	
Total Lead (Pb)	mg/kg	<10	<10	<10	<10	100
Conclusion	-	**PASS**	**PASS**	**PASS**	**PASS**	-

Tested Item 1:	Black PVC, grey fabric (shell) (All)
Tested Item 2:	Silvery metal (zipper slide) (All)
Tested Item 3:	Silvery metal (zipper tag) (All)
Tested Item 4:	Black plastic (buckle) (All)/ bright black plastic (zipper teeth) (All)/ black pp non-woven (rim) (All)
Tested Item 5:	Black fabric with black PVC backing (base) (All)
Tested Item 6:	Soft black fabric, grey thread (zipper lining) (All)/ dark black fabric (lining)/ bright black fabric (wrapper) (All)
Tested Item 7:	Dull black fabric, black thread (hook, rim, belt) (All)/ black net fabric (net on handle) (All)
Tested Item 8:	Soft black fabric (pocket) (All)/ white fabric (sewn label) (All)

4. The submitted sample(s) meet the Total Cadmium Content requirement as follow: **(PASS)**

Total Cadmium Content As Client's Requirement

Sample Description	Result	Conclusion

	Color / Component	Location	Style	(mg/kg)	Limit 75 ppm
1	Silvery metal	Zippers slide	All	17	☒PASS ☐FAIL
2	Silvery metal	Zipper tag	All	<10	☒PASS ☐FAIL
3	Black PVC, grey fabric	Shell	All	<10	☒PASS ☐FAIL
4	Black plastic	Buckle	All	<10	☒PASS ☐FAIL
	Bright black plastic	Zipper teeth	All		
	Black pp non-woven	Rim	All		
5	White coating	Sewn label	All	<10 to 85171600187	☒PASS ☐FAIL
6	Black coating	Zipper	All	<10	☒PASS ☐FAIL
7	Black fabric with black PVC backing	Base	All	<10	☒PASS ☐FAIL
8	Soft black fabric, grey thread	Zipper lining	All	<10	☒PASS ☐FAIL
	Dark black fabric	Lining	All		
	Bright black fabric	Wrapper	All		
9	Dull black fabric, black thread	Hook, rim, belt	All	<10	☒PASS ☐FAIL
	Black net fabric	Net on handle	All		
10	Soft black fabric	Pocket	All	<10	☒PASS ☐FAIL
	White fabric	Sewn label	All		

Recommendation(s) For Improvement: /

Remark(s):

1. See enclosed protocol for the test results.

2. As per the request, only the following test(s) was conducted in this test report:
   - Client's 8 phthalates content test
   - Lead content in surface coating test
   - Client's Total Lead Content test
   - Total Cadmium Content test
   -Lead in PVC
   - Performance test under BVCPS protocol 2070(CN) and 2070(US)

3. The submitted sample(s) did not contain any material which is applicable for Lead in PVC test. Therefore, no testing under Lead in PVC was conducted.

NOTE: If there are questions or concerns regarding above report, please contact the appropriate lab persons.

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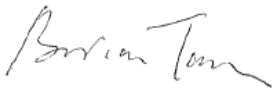
BUREAU VERITAS SHENZHEN CO., LTD



BRIAN TAM
MANAGER – HARDLINES DIVISION

BUREAU VERITAS TEST PROTOCOL FOR

CPSD - 02070 - CN
BACKPACK HANDBAG (V20)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
SUPPLEMENTAL PROTOCOLS					
Note: Additional cost, sample size & TAT may be required if testing to one or more supplemental protocol is necessary. Please refer to the below referenced supplemental protocol(s) for additional information					
* Upholstered and stuffed articles label	Applicable section from protocol CPSD-GB-PTCL-01990-CN	1	All applicable samples shall be reviewed against the requirements of the applicable Provincial Regulation (Ontario, Quebec or Manitoba) for Upholstered and Stuffed Articles labelling. This also applies to items with Filling Materials that include solid cores with non-textile outer coverings including finishes such as lacquers, acrylics and sugar beaded finishes.	NT	/
* Packaging and Labeling Requirement	CPSD-HL-PTCL-09067-CN-MX-US	-	The sample shall meet applicable packaging and labeling requirements in the supplemental protocol.	NT	/
LABELING					
Use Labeling	CPSD-HL-01057-MTHD / Visual	1	Use/care instructions that are clear and understandable shall be provided in language appropriate to destination countries, if applicable.	NT	/

CPSD - 02070 - CN
BACKPACK HANDBAG (V20)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
Claim verification - level 2	CPSD-GB-08612-MTHD	All	Examine the retail packaging (or submitted artwork). Record each objective (factual) claim which can be substantiated by the testing within the protocols and rate accordingly. Record testing that extend beyond existing net quantity / dimensional testing on this protocol. Record all other objective (factual) and subjective (opinion) claims as "NT" and rate as "DATA". Record information evaluated between the graphic imagery and the product. Record disclaimers on datasheet.	NT	/
FLAMMABILITY					
Flammability of solids	16 CFR 1500.3 (c) (6) (vi) / 16 CFR 1500.44	1	Shall not exceed the maximum allowable limit of no greater than 0.1 inches per second	NT	/
* Canadian flammability - textile products	Textile Flammability Regulations / CAN/CGSB-4.2 No.27.5:2008	1	Time of flame spread shall be a) Greater than 3.5 seconds where the product does not have a raised fiber surface, or b) Time of flame spread shall be greater than 4.0 seconds, where the product has a raised fiber surface and exhibits ignition or fusion of the base fibers	NT	/
PHYSICAL CHARACTERISTICS					
Dimensions	CPSD-HL-01056-MTHD / Standard measure	1	Report overall dimensions; shall meet label claims (If applicable).	NT	/
Dimensions - depth	CPSD-HL-01056-MTHD / Standard measure	1	Report overall depth; shall meet label claims (If applicable).	NT	/
Weight	CPSD-HL-01056-MTHD / Standard measure	1	Report overall dimensions; shall meet label claims (If applicable)	NT	/

CPSD - 02070 - CN
BACKPACK HANDBAG (V20)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
Dimensions - handle drop	CPSD-HL-01056-MTHD / Standard measure	1	Report overall dimension; shall meet label claims (If applicable)	NT	/
Dimensions - circumference - shoulder strap drop	CPSD-HL-01056-MTHD / Standard measure	1	Report overall dimensions; shall meet label claims (If applicable).	NT	/
Dimensions - thickness	CPSD-HL-01056-MTHD / Standard measure	1	Report overall thickness; shall meet label claims (If applicable)	NT	/
Number of Main Compartments	CPSD-HL-01057-MTHD / Visual	1	Shall meet label claims.	NT	/
Number of interior pouches or pockets	Visual / CPSD-HL-01057-MTHD	1	Shall meet label claims.	NT	/
Number of external pouches or pockets	Visual / CPSD-HL-01057-MTHD	1	Shall meet label claims.	NT	/
Other features	Visual / CPSD-HL-01057-MTHD	1	Shall meet label claims.	NT	/
Material weight	ASTM D3776-09	1	± 3.0% From Approval	NT	/
Fabric count of woven fabric	ASTM D3775-12	1	+ / - 3.0% from approval	NT	/
Yarn Structure	ASTM 1244	1	± 3.0% from approval	NT	/
Parts inventory	CPSD-HL-01057-MTHD / Visual	1	Shall meet label claims.	NT	/
Material Type	CPSD-HL-01057-MTHD / Visual	1	Shall meet label claims.	NT	/
WORKMANSHIP					
Sharp point and sharp edge	SOR/2011-17 (Mod)	All	Shall have no sharp points / edges, other than those required for function. Modification: Expanded scope to other products.	NT	/

CPSD - 02070 - CN
BACKPACK HANDBAG (V20)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
Defects	CPSD-HL-01057-MTHD / Visual	All	Shall have no discernible surface degradation, including crazing, shivering, denting, bubbles, cracks, stains, deformations, chips, fractures, heavy lines, waves, shear marks, scratches, scuff marks, indentations, or blisters.	NT	/
Workmanship	CPSD-HL-01057-MTHD / Visual	All	Shall have no components missing, malformed, and/or fractured.	NT	/
Fabric defects	ASTM D3990-12 (R2016)	All	No critical / major defects	NT	/
PERFORMANCE					
Actual use - functionality - not covered by other tests	Actual use / CPSD-HL-01058-MTHD	1	Shall function as intended as received. Report details of evaluation (features tested / methods used / materials used / etc.) Report any features not evaluated.	M	PASS
Seam Strength	ASTM D1683-11	1	Side Seam: 25 lb minimum Bottom Seam: 25 lb minimum Zipper Seam: 25 lb minimum Handle Strength @ 45°: 25 lb minimum Handle Strength: 25 lb minimum	M	PASS
Tensile strength	ASTM D5034 -09 R2013	1	50 lbs. / In. min.	M	PASS
Snap Attachment	CPSD-SL-31044-MTHD	1	17 lbs for 10 seconds.	NA	/
Resistance to snapping and unsnapping of snap fasteners	CPSD-SL-31045-MTHD	2	Min. 2 lbs Max. 8 lbs	NA	/
Button or small parts attachment strength	CPSD-SL-31023-MTHD	1	17 Lbs. for 10 seconds	NA	/
Button Impact resistance	CPSD-SL-31001-MTHD	1	No fracture of buttons	NA	/
Operability of zipper - open and close	ASTM D2062-03	1	5 lb maximum	M	PASS
Strength tests for zippers	ASTM D2061-07 R2013	1	Cross Widthwise Strength : 50 Lbs. (Min.) Scoop Pull : 10 Lbs. (Min.) Top Stop : 20 Lbs. (Min.) Bottom Stop : 20 Lbs. (Min.) Slider Torque : 2 In. / Lbs. (Min.) Slider Pull : 5 Lbs. (Min.)	M	PASS

CPSD - 02070 - CN
BACKPACK HANDBAG (V20)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
Abrasion resistance of fabric - inflated diaphragm apparatus	ASTM D3886-99 (R 2015)	1	[Edge] No removal of upper surface after 300 cycles.	M	PASS
Flexing test	CPSD-SL-81002-MTHD	1	No cracking after 10,000 cycles	NA	/
Humidity exposure	In-house method / CPSD-HL-01007-MTHD	1	No visual change after 24 hours at 95% R.H. & 100°F	M	PASS
Resistance to corrosion	ASTM B117-16 modified / CPSD-HL-01010-MTHD	1	[Applicable to samples / sample components constructed of metal or samples with metallic coatings that can be exposed to the environment] Shall withstand 24 hours in 1% salt spray (fog) with no noticeable oxidation / corrosion / visual changes. Modification = 1% salt spray (fog).	M	PASS
COLORFASTNESS					
* Colorfastness to light	AATCC 16.3	1	[One color included] [Option 3] Grade 4.0 Minimum @ 10 hours	NT	/
* Colorfastness to crocking	AATCC 8-16	1	[One color included] Dry: Grade 4 minimum Wet: Grade 3 minimum	NT	/
* Colorfastness to rotary crocking	AATCC 116	1	[One color included] Dry: Grade 4 minimum Wet: Grade 3 minimum	NT	/
* Colorfastness to water	AATCC 107	1	[One color included] Class 4.0 (Min.)	NT	/

CPSD - 02070 - CN
BACKPACK HANDBAG (V20)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
* Colorfastness to burnt gas fumes	AATCC TM23 2015	1	[One color included] Min. Grade 4 after 1 cycle	NT	/
* # Colorfastness to artificial saliva	DIN 53160-1:2010-10	1	[For child & baby backpack] [One color included] Color staining: Grade 5.0	NT	/

Key:
* Additional Charge For This Test
** Mandatory Requirement
# By Request Only

Result Key:
C Claimed
R Recorded
M Meets
NM Does Not Meet
NA Not Applicable
NT Not Tested

Rating Key:
PASS Pass
FAIL Fail
NR Not Requested

No. Of Samples Required for Complete Testing	3
No. Of (Fully Packed) Cartons For Transit Testing:	1
No. Of Working Days For Complete Testing:	7

Client Approval: /
Creation Date: JULY 13, 2012
Last Revision Date: JUNE 29, 2017
Pricing Review Date:
Technical Review Date:

Protocol Number	CPSD-HL-02070-USA-3 STAR	**Version**	32
Protocol Description	BAGS		
Country	United States		
Scope	Applicable to briefcases, computer/reporter bags, sports bags, back packs/rucksack, handbags. (with wheels) Reusable shipping bag refer to CPSD-HL-02078-PTCL.		
Creation Date	05/Aug/2014	**Last Revision Date**	30/Jun/2017
Client Approval Date		**Approver**	
No of Sample	-	1 STAR: 2 2 STAR: 4 3 STAR: 4	
No of Working Days	7		

Keys					
A	Additional Charge For This Test	M	Mandatory	R	Regulatory

	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Results	Rating
SUPPLEMENTARY PROTOCOL								
Note: Additional cost, sample size & TAT may be required if testing to 1 or more supplemental protocol is necessary. Please refer to the below referenced supplemental protocol(s) for additional information.								
A M	California Proposition 65	CPSD-AN-PTCL-06572-USA	The sample should be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required. For samples that fall under the scope of CA Prop 65 requirements with testing limit(s) but does not contain appropriate labeling (refer to image appendix for detail), actual testing will be conducted. Otherwise, actual testing is not required and report as "Pass" if the sample contains appropriate labeling.	X	X	X	NT	/
A	Non-CPSIA requirements	CPSD-AN-PTCL-08443-USA	All samples shall be reviewed against the requirements of Non-CPSIA Requirements supplemental protocol to determine if additional testing or labeling is required.		X	X	NT	/
A	Packaging and Labeling Requirement	CPSD-HL-PTCL-09067-CAN-MEX-USA	The sample shall meet applicable packaging and labeling requirements in the supplemental protocol.	X	X	X	NT	/
LABELING								
	Use labeling	CPSD-GB-01057-	Use/care instructions shall be clear, concise and understandable, provide step-by-step method of use and		X	X	NT	/

	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Results	Rating
		MTHD	be provided in language appropriate to destination countries. Provide a copy of the instructions in the report.					
A	Claim verification - level 1	CPSD-GB-08612-MTHD	Examine the retail packaging (or submitted artwork). Record each objective (factual) claim which can be substantiated by the testing within the protocols and rate accordingly. Any net quantity/ dimensional claims evaluated in other sections of this protocol need not be recorded. All other claims (subjective and objective) shall not be recorded or evaluated. Applicable to 1 Star only.	X			NT	/
A	Claim verification - level 2	CPSD-GB-08612-MTHD	Examine the retail packaging (or submitted artwork). Record each objective (factual) claim which can be substantiated by the testing within the protocols and rate accordingly. Record testing that extend beyond existing net quantity / dimensional testing on this protocol. Record all other objective (factual) and subjective (opinion) claims as “NT” and rate as “DATA”. Record information evaluated between the graphic imagery and the product. Record disclaimers on datasheet. Applicable to 2 Star only		X		NT	/
A	Claim verification - level 3	CPSD-GB-08612-MTHD	Examine the retail packaging (or submitted artwork). Record each objective (factual) claim which can be substantiated by the testing within the protocols and rate accordingly. Additional testing required outside of the protocol shall be approved. Any objective claim not approved by the client shall be recorded as “NT” and rate as “-”. If additional testing cannot be conducted due to capability issues, the claims shall be recorded as “NT” and rated as “Data” All subjective (opinion) claims shall be recorded as “Not Tested” and rated as “-”. Record information evaluated between the graphic imagery and the product Record disclaimers on datasheet.			X	NT	/
R	Plastic bag warning statement	US Various state laws / CPSD-GB-01073-MTHD	Plastic bags with a thickness of less than 1 mil, in which a diameter is 5 inches or greater (when formed into a circle) used as packaging or packaging article for domestic/household use (e.g. laundry bag, garbage bag) shall contain warning statement similar to below in English: WARNING: To avoid danger of suffocation, keep this bag away from babies and children. Do not use in cribs, beds, carriages or playpens. This bag is not a toy. The warnings shall be printed clearly as to prevent the ink from smearing or upon a gummed label securely attached to the bag. It shall be contrasted by typography, layout or color from the contents of the bag and from other printed matter on the bag, if any. If the total length and width of the bag is more than 40 inches, the warning shall be repeated at intervals of 20-inches or less. Except laundry bag, the font size of the warning must adhere to the chart listed below: Total Length and Width of Bag Size of Print	X	X	X	NT	/

	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Results	Rating
			60 inches or more — At least 24 points 40 inches to less than 60 inches — At least 18 points 25 inches to less than 40 inches — At least 14 points Less than 25 inches — At least 10 points For laundry bag, the font size of the warning should be at least 36 points.					
R	Labeling review: leather	16 CFR 24	Must conform to guidelines for leather content / general fiber content labeling If all or part of a product is made of non-leather material that appears to be leather, the non-leather material must be disclosed on the retail packaging. The disclosure must be of such conspicuousness and clarity as to be noted by consumers casually inspecting the product. The disclosure must be in close proximity to the product identification. NOTE: A material that contains ground, pulverized, shredded, reconstituted or bonded leather cannot be represented as being wholly leather. Adequate disclosure of these leather types must be present.	X	X	X	NT	/
ANALYTICAL								
A R	Heavy metal in packaging-Doc	Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH) / CPSD-GB-00001-MTHD	The sum of concentration levels of lead, cadmium, mercury and hexavalent chromium in packaging or packaging components shall not exceed 100 mg/kg (100 ppm) by weight. In lieu of testing, test report can be submitted if dated within One year.	X	X	X	NT	/
FLAMMABILITY								
R	Solids - Flammability	16 CFR 1500.3(c)(6)(vi) / 16 CFR 1500.44	Shall not exceed the maximum allowable limit of no greater than 0.1 inches per second.	X	X	X	NT	/
PHYSICAL CHARACTERISTICS								
	Dimensions, weight, counts - product	CPSD-GB-01056-MTHD	Each dimension should be listed and measured as appropriate. Shall meet claim. 1. Overall dimension (per product) 2. Overall weight (per product) 3. Folded dimension 4. Useful dimension (Measurement range, seated height, foot dimension) 5. Counts (Features, design, layers) 6. Material thickness (if claimed)		X	X	NT	/
	Parts inventory	CPSD-GB-01057-	Shall meet label claims. All listed hardware must be provided.		X	X	NT	/

	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Results	Rating
		MTHD						
A	Fiber content analysis	AATCC 20-13/AATCC 20A-14	Blends - Report actual (3% maximum Tolerance - FTC) Single fiber - Report actual (0% Tolerance - FTC)		X	X	NT	/
	Fabric weight	ASTM D3776-09a R2013	Report in both oz./sq. yd. & gm./sq. meter Report actual shall meet label claims (± 5%)		X	X	NT	/
	Fabric count of knit fabric	ASTM D3887-96 R2008 sec 12	Report actual shall meet label claims (± 5%)		X	X	NT	/
	Fabric count of woven fabric	ASTM D3775-12	Report actual shall meet label claims (± 5%)		X	X	NT	/
	Yarn construction	ASTM D1244-98 (R2011)	Report actual. Shall meet label claim.		X	X	NT	/
	Dimensions, weight, counts - features	CPSD-GB-01056-MTHD	Each dimension should be listed and measured as appropriate. Shall meet claim. 1. Overall dimension (per product features) 2. Overall weight (per product features) 3. Folded dimension 4. Useful dimension (Measurement range, seated height, foot dimension) 5. Others (if claimed)			X	NT	/
	Thickness of textile material	ASTM D1777-96 (R2015)	Report actual shall meet label claims (± 5%)		X	X	NT	/
WORKMANSHIP								
	Defects and workmanship	CPSD-GB-01057-MTHD	Shall have no discernible surface degradation, including crazing, shivering, denting, bubbles, cracks, stains, deformations, chips, fractures, heavy lines, waves, shear marks, scratches, scuff marks, indentations, or blisters. Shall have no components missing, malformed, and/or fractured.		X	X	NT	/
	Sharp point and sharp edge	16 CFR 1500.48 & 49 (Mod)	Shall have no sharp points / edges, other than those required for function. Modification: Expanded scope to other products.		X	X	NT	/
	Fabric defects	ASTM D3990-12 (R2016)	Visual examination to verify noticeable defects such as missing components, obvious knitting/weaving defects, improper functioning component.		X	X	NT	/
PERFORMANCE								
	Actual use - functionality	CPSD-GB-01058-MTHD	Shall function as intended as received. Testing is limited to verification of basic function. Only function failures will be reported. NT rating shall be given to product that cannot be tested due to testing cannot be replicated in laboratory conditions.		X	X	M	PASS
	Attachment strength	CPSD-HL-01068-MTHD	Functional: 15 lb for 10 seconds minimum Non-Functional: 8 lb for 10 seconds minimum Sequins, beads, bugles & rhinestones: 4 lb for 10 seconds minimum Note: tested by force gauge		X	X	NA	/

	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Results	Rating
A	Resistance to corrosion	ASTM B117-16 (mod) / CPSD-HL-01010-MTHD	Shall withstand 24 hours in 1% salt spray (fog) with no noticeable oxidation / corrosion / visual changes. Modification: 1% salt spray (fog).			X	M	PASS
	Cycle test	CPSD-GB-01058-MTHD	All movable parts shall have no damage after 100 cycles		X	X	M	PASS
	Humidity exposure	CPSD-HL-01007-MTHD	Should withstand 24 hours at 100 °F and 95%RH with no visual change.			X	M	PASS
	Effects of extreme temperature change	CPSD-HL-01012-MTHD	24 hours at 0 °F and 120 °F - No failure. The sample shall not have any structural failure and visual changes such as cracks, fractures or significant aesthetic changes.			X	M	PASS
	Seam strength	ASTM D1683-11 (Mod)	Side seam: 25 lb / in minimum Bottom seam: 25 lb / in minimum Zipper seam: 25 lb / in minimum Reinforced stress points: 25 lb / in minimum Handle strength at 45°: 25 lb / in minimum Handle strength: 25 lb / in minimum Modification: Expanded scope to other products.		X	X	M	PASS
	Breaking strength of textile fabrics: grab test	ASTM D5034-09 R2013	Minimum 25 lbf Note: Pass / fail base on result of overall fabric break.		X	X	M	PASS
	Holding strength of snap fasteners	ASTM D7142-05 (R2016)	17 lb for 10 seconds		X	X	NA	/
	Resistance to snapping and unsnapping of snap fasteners	CPSD-SL-31045-MTHD	Minimum 2 lb Maximum 8 lb		X	X	NA	/
	Operability of zippers	ASTM D2062-03 R2009	Maximum 5 lbs		X	X	M	PASS
	Strength tests for zippers	ASTM D2061-07 R2013	Cross widthwise strength: 50 lb. minimum. Scoop pull: 10 lb. minimum. Top stop: 20 lb. minimum. Bottom stop: 20 lb. minimum. Slider torque: 2 lb-in minimum. Slider pull: 5 lb. minimum.		X	X	M	PASS
	Abrasion resistance of fabric - inflated	ASTM D3886-99 (R2015)	No removal of upper surface after 300 cycles		X	X	M	PASS

	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Results	Rating
	diaphragm apparatus							
	Flexing test	CPSD-SL-81002-MTHD	No cracking after 1000 cycles			X	NA	/
	Abrasion resistance of fabric: rotary platform, double-head method	ASTM D3884-09 R2013	Minimum 300 cycles (CS 17 at 1000 g) Maximum 2 yarns rupture		X	X	M	PASS
	Abrasion resistance of fabric: flexing and abrasion method	ASTM D3885-07a (R2015)	Minimum 200 cycles.		X	X	M	PASS
A	Castor or roller resistance	CPSD-HL-03054-MTHD	Load the sample as per Table 1 in the test method. Report the maximum force needed to pull the sample after initial acceleration.		X	X	NA	/
A	Rolling road	CPSD-HL-02010-MTHD	Sample shall not exhibit any damage such as misalignment, loss of serviceability, deformation of the wheel, dents, dislocation of the castor and/or wheels. Evenly distribute the appropriate maximum value into the luggage. Close and fully fasten. Sample shall be tested for a distance of 4000 yards on the rolling road tester set at a speed of 4.4 ± 0.5 km/h (2.73 ± 0.31 miles/h). Maximum dimension > 650 mm - load shall be 50 kg Maximum dimension 500 - 650 mm - load shall be 40 kg Maximum dimension < 500 mm - load shall be 20 kg			X	NA	/
	Drop test	CPSD-HL-02014-MTHD	Evenly distribute the appropriate maximum load into the luggage / bag. Close and fully fasten. The piece of luggage / bag shall be raised to a height of 0.6 + 0.1 m and dropped so that one of its corners will impact the floor surface (smooth concrete or similar). Assess visually and record any damage that has been caused to the following scale: 5 – Light superficial marking to exterior, no internal damage. 4 – Moderate superficial marking to exterior, light superficial damage to interior. 3 – Heavy marking on exterior, superficial permanent damage to main structure. 2 – Cracked or broken structure wheeling system or components. 1 – Case opens / bursts revealing contents. Shall be no damage to zippers, wheels, trolley systems and any other similar attachments		X	X	M	PASS
A	Flexibility and adhesion of finish on leather	ASTM D6182-00 R2015	35,000 cycles minimum		X	X	NA	/
	Dynamic loading	CPSD-GB-01058-MTHD	Loading weight of sand bag as specified below into the bag and hanging it onto a rod (diameter: approximate 1 inch) with up and down motion (4 inches amplitude, 20 cycles per minute) for 1200 cycles.		X	X	M	PASS

	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Results	Rating
			Shall not have physical damage on the bag and its handle. Small: 15 lb minimum Medium: 30 lb minimum Large: 50 lb minimum NOTE: Small Bag: If Length plus Width is less than 25 inches. Medium Bag: If Length plus Width is between 25 and 45 inches. Large Bag: If Length plus Width is more than 45 inches.					
	Drawstring strength	CPSD-HL-01068-MTHD	10 lb minimun		X	X	NA	/
	Fit properties	CPSD-GB-01058-MTHD	Shall hold claimed items securely and allow easy access.		X	X	NA	/
	Handle compression	CPSD-HL-02013-MTHD	< 22 inches load shall be 40 lb > 22 inches load shall be 50 lb Child's load shall be 20 lb (maximum)		X	X	M	PASS
COLORFASTNESS								
A	Colorfastness to light	AATCC 16.3-14	[One color included] [Option 3] Outdoor products: Grade 4.0 minimum at 60 AFU exposure (Xenon Arc). Indoor products: Grade 4.0 minimum at 20 AFU exposure (Xenon Arc).			X	NT	/
A	Colorfastness to crocking	AATCC 8-16	[One color included] Dry: Grade 4.0 minimum Wet: Grade 3.0 minimum			X	NT	/
A	Colorfastness to rotary crocking	AATCC 116-13	[One color included] Dry: Grade 4.0 minimum Wet: Grade 3.0 minimum			X	NT	/
A	Colorfastness to water	AATCC 107-13	[One color included] Color change: Grade 4.0 minimum. Color staining: Grade 3.5 minimum. Self-staining: Grade 4.5 minimum.			X	NT	/