

BV Lab Number: Technician Name: Test Date: Reviewed By/Date:

Page 1 of 9

Evaluation	Citation / Method	No. of Samples	Criteria	Notes	Result	Rating
SCOPE:		•			ı	
		n fabric and / ga	rment (pants only) for children / adult.			
SUPPLEMENTARY PR	ROTOCOL					
			be required if testing to one or more supplemental protocols is necessary.			
Please refer to the belo	w referenced supplem	ental protocol(s)	for additional information.			
A California Proposition 65	DILL-AN-PTCL- 06572-USA	-	The sample should be reviewed against the requirements of California Proposition 65.	Garment		
	DILL-SL-PTCL-	_	The sample should be reviewed against the requirements of Children's Safety	Garment		
A Supplemental children's safety	00990-USA	-	Guidelines: DILL-SL-PTCL-00990-USA.	Garment		
A Travel Smart	DILL-SL-PTCL-	-	The sample should be reviewed against the requirements of Travel smart claim	Fabric / submitted		
claims	00992.05-USA		protocol, If applicable.	with fabric / Garment		
A Special Claims	DILL-SL-PTCL-	1	The sample should be reviewed against the requirements of Special Claims	Fabric / submitted		
	00992-USA		Protocol : DILL-SL-PTCL-00992-USA.	with fabric / Garment		
A Gold label claims	DILL-SL-PTCL-	-	The sample should be reviewed against the requirements of Gold Label Claims	Fabric / submitted		
	00991-USA		Protocol: DILL-SL-PTCL-00991-USA, If applicable.	with fabric / Garment		
A CPSIA	DILL-AN-PTCL-	-	All samples shall be reviewed against the requirements of CPSIA Requirements	Fabric / submitted		
Requirements	08444-USA		supplemental protocol to determine if additional testing or labeling is required.	with fabric / Garment		
LABELING						ı
US Packaging	NIST Uniform	1	Packaging shall be labelled with the following,	Garment		
R labeling	Laws and		Product Identification			
	Regulations Handbook 130		Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to			
	Handbook 130		facilitate consumer comparison (U.S. and metric units)			
			Manufacturer, packer, or distributor's name & address (City, State & Zip Code)			
Country of origin	19 CFR 134	1	Shall indicate country of origin legibly, permanently, and in comparable size and	Garment		
R marking	10 01 10 10 4	•	close proximity to any mention of country other than country in which the article	Gamion		
Training			was manufactured or produced. Must be visible at point of purchase.			
Labeling review:	16 CFR 300/303	-	Must be visible at point of sale. If label is not visible through packaging, fiber	Garment		
R fiber			content must be repeated on packaging. Generic fiber name must be used and			
			the contents spelled correctly and listed in descending order of predominance.			
			Note: To determine the actual percentage, please refer to the physical			
			characteristics section for Fiber Content AATCC 20/ 20A/ ASTM D629). If lab			
			analysis does not match claimed, then the label will fail.			
Labeling review:	16 CFR 300/303	-	Must be visible at point of sale. Report actual.	Garment		
R RN# or WPL # or			When a company name is labeled instead of RN# or WPL#, one of the following			
company name			can be used: the name of the foreign manufacturer / importer / wholesaler /			
Labadia a sand	40 OFD 004		distributor / ultimate retailer or House Mark.	0		
Labeling review:	16 CFR 301	-	Report actual.	Garment		



BV Lab Number: Technician Name: Test Date: Reviewed By/Date:

Page 2 of 9

	Evaluation	Citation / Method	No. of Samples	Criteria	Notes	Result	Rating
R	fur products						
R	Labeling review: real fur or faux fur	New York General Business Law § 399-AAA	1	For goods sold in New York, Delaware via stores, catalog and internet must be listed on a permanent label, or a temporary tag or a sticker. Note: To determine the actual content, please refer to AATCC 20 / 20A to verify real fur vs. fur. If lab analysis does not match claimed, then the label will fail.	Garment		
	Labeling review: size	CPSD-GB-01057- MTHD	-	Visual examination to verify presence Report actual size as data.	Garment		
R	Labeling review: care	16 CFR 423		Must be sewn in permanently and must comply to regulations. If label is not visible through packaging, care must be repeated on packaging. Note: To determine the proper care instructions, please refer to testing results for confirmation of the proper care. If the lab analysis does not match the affixed or proposed label, then the label will fail. Client requirement: Typewritten mock up label, attached / stapled to the garment, is also accepted.	Garment		
ΑN	NALYTICAL						
	Formaldehyde spot test on textile	Qualitative analysis / CPSD- AN-00018-MTHD	1	[Garments-Infant, children and adult] Body fabrics or garments for adults and infant/children aged 12 and below, shall be negative result. If result is positive, rate as fail. Note: 1. Do not test on any trims. 2. For children garments, proceed to quantitative testing ONLY if the spot test result is inconclusive or positive. 3. For adult garments, never conduct quantitative analysis for any (positive and inconclusive) results. Inconclusive results shall be reported as "inconclusive". 4. Shall not perform more than 4 times (4 fabrics) of tests on an item. If more than 4 fabrics are found on an item, lab must contact Program Manager for client's approval. 5. This method cannot be applied on nylon and PU, quantitative analysis should be performed directly. Client requirement	Garment		
A	Formaldehyde in textile	Quantitative analysis / CPSD- AN-00019-MTHD	1	[Full Test] a. Body fabric or garments for infants and children aged 36 months and below, formaldehyde content shall not exceed 35 mg/kg (35 ppm). b. Body fabric or garments for children aged from greater than 36 months to 12 years, formaldehyde content shall not exceed 75 mg/kg (75 ppm). Note: 1. Never conduct testing on adult garments.	Garment		



BV Lab Number: Technician Name: Test Date: Reviewed By/Date:

Page 3 of 9

	Evaluation	Citation / Method	No. of Samples	Criteria	Notes	Result	Rating
				 For children garment, conduct testing ONLY if formaldehyde spot test shows positive or inconclusive result. Shall not perform more than 4 times (4 fabrics) of tests on an item. If more than 4 fabrics are found on an item, lab must contact Program Manager for client's approval. Client requirement 			
A	Total lead in surface coating	CPSC-CH-E1003- 09.1 / CPSD-AN- 00001-MTHD		All accessible surface coatings in the as received state on items outside of the scope of 16 CFR 1303 shall not contain lead or lead components in which the lead content is in excess of 0.009% (90 ppm) of the weight of the total content. Report actual results or include data table within report. Component testing is allowed. Compositing up to 3 colors is allowed. Client requirement	Garment		
FL	.AMMABILITY						_
	Flammability of clothing textiles	16 CFR 1610		Class 1 All colors - Test non-exempt fibers in the following categories: Plain surface under 3 oz/sq yd Raised surface of all weights	Fabric / submitted with fabric		
PH	IYSICAL CHARACTI				_		
A	Fiber content analysis	AATCC 20- 13/AATCC 20A- 14	2	Blends - report actual (3% maximum tolerance - FTC) Single fiber - report actual (0% tolerance - FTC)	Fabric / submitted with fabric		
Α	Diameter of wool and other animal fibers by microprojection	ASTM D2130-13	2	[Wool and cashmere] Report actual in micron measurement.	Fabric / submitted with fabric		
	Fabric weight	ASTM D3776-09a R2013	1	As claimed If more that 5% lighter than claimed weight, rate as Fail If greater than or equal to claimed weight, rate as Data			
	Fabric count of woven fabric	ASTM D3775-17	1	Report number of ends and number of picks separately. Shall be as claimed (\pm 5%).	Fabric / submitted with fabric		
PE	RFORMANCE	L open of other I		TO LIE 4 DOI	1 = 1 : / 1 : 1	ı	
	Appearance after care	CPSD-SL-31055- MTHD	1	[3 HL or 1 DC] Color change: Grade 4.0 Self-staining: Grade 4.5 No obvious defects / observations affecting the end product performance / appearance, color change / staining, satisfactory performance of the components, list all observations.	Fabric / submitted with fabric / Garment		



BV Lab Number: Technician Name: Test Date: Reviewed By/Date:

Page 4 of 9

Evaluation	Citation / Method	No. of Samples	Criteria	Notes	Result	Rating
			Provide detailed explanation of the failure. Note: For machine wash garments with contrasting trim (e.g. cuffs, collars, plackets, piping, embroidery or other embellishment with a color different from the base fabric): Rate appearance after 1 HL and again after 3 HL. When there is an ironing instruction in the care label, conducted evaluation after ironing.			
Dimensional changes of fabrics after home laundering	AATCC 135-15		[3 HL] [Per care label] General Fabric: -3% x -3% (CVC), -3 % x -3 % (CVS) Stretch Fabric (with Spandex): -4% x -4% (CVC), -3 % x -3 % (CVS) Corduroy/Velvet/Terry/Flannel: -5% x -5% (CVC), -4 % x -4 % (CVS) Dobby/Jacquard/Basket/Pique: -6% x -6% (CVC), -5 % x -5 % (CVS) Wool/Silk: -4% x -4% (CVC), -3 % x -3 % (CVS) Rayon/Lyocell/Viscose (CVS): -4% x -4% Growth: +1% maximum Note: When there is an ironing instruction in the care label, conducted evaluation after ironing. Note: Collars (tops only) must be measured and reported, both circumference and width.	Fabric / submitted with fabric		
Dimensional changes of garments after home laundering	AATCC 150-12	-	[3 HL] General Fabric: -3% x -3% (CVC), -3% x -3% (CVS) Stretch Fabric (with Spandex): -4% x -4% (CVC), -3% x -3% (CVS) Corduroy/Velvet/Terry/Flannel: -5% x -5% (CVC), -4% x -4% (CVS) Dobby/Jacquard/Basket/Pique: -6% x -6% (CVC), -5% x -5% (CVS) Wool/Silk: -4% x -4% (CVC), -3% x -3% (CVS) Rayon/Lyocell/Viscose (CVS): -4% x -4% Growth: +1% maximum Note: When there is an ironing instruction in the care label, conducted evaluation after ironing.	Garment		
Dimensional changes on drycleaning in perchloroethylene	AATCC 158-16	-	[1DC] Shrinkage: -2.0% x -2.0% Growth: 0.0% maximum Note: When there is an ironing instruction in the care label, conducted evaluation after ironing.	Fabric / submitted with fabric / Garment		
Skewness from home laundering	AATCC 179-12	1	3% maximum	Garment		
Failure in sewn seams: woven	ASTM D1683- 17e1	-	If fabric weight (oz/sq yd): < 2.4: 10 lb minimum	Garment		



BV Lab Number: Technician Name: Test Date: Reviewed By/Date:

Page 5 of 9

Evaluation	Citation / Method	No. of Samples	Criteria	Notes	Result	Rating
fabric			2.5-4.0: 15 lb minimum 4.1-6.0: 20 lb minimum > 6.0: 25 lb minimum Lining and pocketing: < 4.0: 10 lb minimum > 4.1: 20 lb minimum Pocket strength: Functional and non-functional : 7 lb minimum			
A Stretch properties of woven fabrics	ASTM D3107-07 R2015	3	[In stretch direction only] Spandex content: 1 - 5%: measure time dependent growth and recovery using 30 minutes. Report both growth and recovery. Pass or fail based on growth. Growth: 7% (Max.). Above 5%, but less than 10%: measure time dependent growth and recovery using 30 minutes. Report both growth and recovery. Pass or fail based on growth. Growth: 5% (Max.). Equal to or greater than 10%: measure instantaneous growth and recovery using 30 seconds. Report both growth and recovery. Pass or fail based on recovery. Recovery: 85% (Min.).	Fabric / submitted with fabric		
Holding strength of snap fasteners	ASTM D7142-05 (R2016)	All	[Hardware trim:additional performance testing] [Snaps, eyelets, and rivets] Children's products:17 lb for 10 seconds Adult products:15 lb for 10 seconds Note: components must be submitted attached to bulk fabric in the same manner as in production.	Garment		
Button impact resistance	CPSD-SL-31001- MTHD	Minimum 10 of each color/size	[Hardware trim: additional performance testing] [Men's woven dress shirts only] No more than 16% of total bulk submission (typically 30 buttons) shall exhibit cracks, chips or fractures. Note: Buttons must be submitted attached to bulk fabric in the same manner as in production.	Garment		
Button/small parts attachment strength	CPSD-SL-31023- MTHD	All	[Hardware trim: additional performance testing] [Buttons] Children's products: 17 lb for 10 seconds Adult products: 15 lb for 10 seconds Note: Buttons must be submitted attached to bulk fabric in the same manner as in production.	Garment		
Attachment strength	ASTM D1683- 17e1 (Mod)	1	[Adult] [Hardware trim: additional performance testing] [Metal buckle, hook & eye]	Garment		



BV Lab Number: Technician Name: Test Date: Reviewed By/Date:

Page 6 of 9

Evaluation	Citation / Method	No. of Samples	Criteria					Notes	Result	Rating		
			Tops: 8 lb Bottom: 20 lb Dress: 8 lb Modification: E	Expanded scope	to cover	compone	nt.					
Strength tests for	ASTM D2061-07	-		Zipper Size	1-2	3-4	5-7	8-9	10	Garment		
zippers	R2013		Bottom	Aluminum	9.9	13.2	19.8	26.5	33.1			
			Stop	Brass/Nickel	11.0	17.6	17.6	26.5	33.1			
			Strength	CEF (Coil)	6.6	11.0	-	-	39.7			
			(lbf, min)	Plastic	-	11.0	19.8	30.9	37.5			
			Chain	Aluminum	55.0	77.2	110.3	110.3	110.3			
			Crosswise	Brass/Nickel	77.2	110.3	110.3	110.3	176.4			
			Strength	CEF (Coil)	77.2	88.2	143.3	-	220.5			
			(lbf, min)	Plastic	-	59.5	88.2	110.3	132.3			
			Slider	Aluminum	8.4	8.8	13.2	15.4	15.4			
			Lockhold	Brass/Nickel	8.8	13.2	13.2	15.4	15.4			
			(lbf, min)	CEF (Coil)	4.4	4.4	11.0	-	15.4			
			(,	Plastic	-	6.6	7.7	13.2	15.4			
			Top Stop	Aluminum	15.4	17.6	22.1	33.1	39.7			
			Strength	Brass/Nickel	15.4	19.8	22.1	33.1	39.7			
			(lbf, min)	CEF (Coil)	15.4	17.6	26.5	-	39.7			
			(,,	Plastic	-	17.6	22.1	33.1	39.7			
Pilling resistance: Martindale pressure tester method	ASTM D4970- 16e2	1		nimum after 100	moveme	nts				Fabric / submitted with fabric		
Breaking strength of textile fabrics: grab test	ASTM D5034-09 R2013		< 2.4: 15 lbf m 2.4-4.0: 25 lbf 4.1-6.0: 30 lbf > 6.0: 40 lbf m Lining and poo 20 lbf minimul Note: Pass / fa	< 2.4: 15 lbf minimum with fabr 2.4-4.0: 25 lbf minimum (garmel				Fabric / submitted with fabric / Garment (garment washed / dyed)				
Tearing strength: Elmendorf apparatus	ASTM D1424-09 R2013e1	1		nt (Oz / sq yd): minimum	, 101 8				- 500	Fabric / submitted with fabric / Garment (garment washed /		



BV Lab Number: Technician Name: Test Date: Reviewed By/Date:

Page 7 of 9

Evaluation	Citation / Method	No. of Samples	Criteria	Notes	Result	Rating
			4.1-6.0: 3.0 lbs minimum >6.0: 4.0 lbs minimum Lining and pocketing: 2.0 lbs minimum Note: Conduct on stress point area only for garment washed /garment dyed pants	dyed)		
A Wrinkle recovery of fabrics: appearance method	AATCC 128-13		[If claimed Easy care, Non Iron or similar] [Original and after 3 laundering] Grade 3.5 minimum	Garment		
A Appearance of textile end products after repeated home laundering	AATCC 143-14		[Only for 100% cotton and CVC bottom] [Not applicable for enzyme / garment wash items as claimed in TRF] [Original and after 3 launderings Smoothness: Grade 3.5 minimum Seams: Grade 3.5 minimum (report and rate seams of individual locations) Creases: Grade 3.5 minimum.	Garment		
COLORFASTNESS						
Colorfastness to laundering: accelerated	AATCC 61-13	-	Color change: Grade 4.0 minimum Staining: Grade 3.0 minimum Self staining: Grade 4.5 minimum	Fabric / submitted with fabric		
Colorfastness to drycleaning	AATCC 132-13	-	Color change: Grade 4.0 minimum Staining: Grade 3.0 minimum Self staining: Grade 4.5 minimum	Fabric / submitted with fabric		
Colorfastness to crocking	AATCC 8-16	1	Dry: Grade 4.0 minimum Wet: Grade 3.0 minimum Exceptions: Dark color (equal to color A to R, depth 2/1 & 1/1 per ISO 105 A01 standard depths) / pigments/ denim/ silks/ linens: Dry: Grade 3.5 minimum Wet: Grade 2.5 minimum Note: For pigment dyes if failing as received: then wash 1 cycle (following suggested care label), re-crock, and report actual rating after laundering. Do not	Fabric / submitted with fabric / Garment		
Quick method for colorfastness to chlorine bleach	AATCC/ASTM TS-001	1	pass or fail when retesting and report rating only. Grade 4.0 minimum Note: Results determine appropriate bleach warning on care label.	Fabric / submitted with fabric		
Quick method for colorfastness to	AATCC/ASTM TS-001	1	Grade 4.0 minimum Note: Results determine appropriate bleach warning on care label.	Fabric / submitted with fabric		



BV Lab Number: Technician Name: Test Date: Reviewed By/Date:

Page 8 of 9

Evaluation	Citation / Method	No. of Samples	Criteria	Notes	Result	Rating
non-chlorine bleach						
Colorfastness to light	AATCC 16.3-14	1	[Option 3] Grade 4.0 minimum at 10 AFU.	Fabric / submitted with fabric/garment		
A Colorfastness to ozone	AATCC 109-16	1	[Indigo only] Grade 4.0 minimum after 1 cycle	Fabric / submitted with fabric		
Colorfastness to perspiration	AATCC 15-13	1	Color change: Grade 4.0 minimum Staining: Grade 3.0 minimum Self-staining: Grade 4.5 minimum	Fabric / submitted with fabric		

NOTE ON SAMPLE SELECTION: Dillard's Testing Protocol addresses"Representative Sampling" by requiring every style to be tested at least once per Season.Further, When Selecting Style Samples to be sent for Testing, the Vendor/Factory Quality representative should randomly select finished products which have been fully produced in the Factory Assembly lines and comply with all supplied(or authorized by Dillard's)Style and BOM specifications.

No. Of Samples Required for Complete Testing	-	Note: Fabric testing: 2-2 ½ yards by Full Width of Fabric of fabric/ colorway. (Lining Only) Garment testing: Adult: 3 garments in the darkest colorway and one garment in each additional colorway Childrens: 6 garments in the darkest colorway and one garment in each additional colorway. Snaps, eyelets, and rivets: 2 dozen Buttons: 3 dozen Metal buckle, hook & eye: 6 Zippers: 8 zippers Please note these sample submissions sizes are only estimates. There may be at times lab requires additional samples for lead and special claims testing.
No. Of (Fully Packed) Cartons For Transit Testing:		
No. Of Working Days For Complete Testing:	5	

Client Approval:	Lucy Feng
	04/Apr/2018
Creation Date:	06/Oct/2017
Last Revision Date:	14/Mar/2018
Pricing Review Date	
Technical Review Date:	



BV Lab Number: Technician Name: Test Date: Reviewed By/Date:

Page 9 of 9

Key

A Additional Charge For This Test

Μ Mandatory R Regulatory

Result Key C R M Claimed Recorded Meets

NM Does Not Meet NA Not Applicable Not Tested NT

Rating Key PASS Pass FAIL Fail

NR Not Requested