


224-5

Snow Pants/Bibs/Jackets

PERFORMANCE	TEST METHOD	REQUIREMENT
Label Verification		
Label Review	Care Label 16 CFR 423 Textile Fiber Products Identification Act 16 CFR 303 Wool Product Labeling Act-16 CFR 300 Fur Products Labeling Act – 16 CFR 301 Fur Product Identification Act – 15 U.S.C.69	Fiber Content, Care, Country of Origin, Manufacturers Registration Number, Wool Products Registration Number must meet Federal Standards If label is not sewn to garment, artwork of the proposed care/content label must be provided.
Children's Tracking Label: Children of ALL AGES	Consumer Product Safety Improvement Act of 2008 (CPSIA) SEC. 103	Refer to Kohl's Tracking Label Section in the Labeling Guideline Policy. Following information must be provided: Retailer's Name (Kohl's) Style Number/Name Factory Number Date (Month/Year)
Adult Tracking Label: **If space limitations exist, contact Kohl's Quality Assurance & Product Integrity teams to discuss minimum required information (quality.assurance@kohls.com).**	Kohl's Requirement	Refer to Kohl's Tracking Label Section in the Labeling Guideline Policy. PASS/FAIL: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #
Fiber Content [For filled garments, garments with lining, faux fur trim, etc., if previously not tested]	AATCC 20/20A Textile Fiber Products Identification Act 16 CFR 303 Wool Product Labeling Act-16 CFR 300 Fur Products Labeling Act – 16 CFR 301 Fur Product Identification Act – 15 U.S.C.69	One Fiber Only: No Tolerance Two or More Fibers: +/- 3% max deviation from contracted fiber content Functional Fibers i.e. Spandex: +/- 2% max deviation from contracted fiber content
Utah Stuffed Product	Utah Code Title 4 Chapter 10 - Bedding / Upholstered Furniture / and Quilted Clothing Inspection Act / Utah Administrative Code R70-101	[Applicable to garment only with concealed filling material] Vendor must provide a copy of the Vendors current Utah registration for document review. The product must be permanently labeled or stamped with the following: RN number or Manufacturer Name and Address, material type and content, country of origin [Sterilization requirement] For articles that include filling of Down, Feather, or Wool a copy of the sterilization permit must be provided from the sterilizer. Sterilization permit # must be on permanent label attached to garment. It may be on care/content label or separate label. Sterilization permit to be verified against Permit # on label. The permit number will be either a PA number or a UT number. If it is a PA number they still need to register with UT. Note: Product available for sale must have the permit number on the textile label. The permit number is the sterilization permit number from the sterilizer of the down, feather or wool. It will be either a UT number or a PA number. (PER. NO. UT XXXXX (two letter country abbreviation) or PA XXXX (two letter country abbreviation).
Flammability	16 CFR 1610 16 CFR 1615/1616	Class 1 Test non-exempt fabrics must be tested in every color Pass The supplier must keep all Children's Sleepwear test records and samples for a period of 7 years.
Flammability of Vinyl plastic material (if applicable)	16 CFR 1611	Rate of burning shall not exceed 1.2 in./sec as judged by the average of five determinations lengthwise and five determinations transverse to the direction of processing
Performance Claims Protocol (401)	Refer to Protocol 401	All samples shall be reviewed against the requirements of the Performance Claims Protocol to determine if additional testing or labeling is required
Softlines Regulatory Supplemental Protocol	Refer to Protocol 501	All samples shall be reviewed against the requirements of the Softlines Regulatory Supplemental Protocol to determine if additional testing or labeling is required.
Construction Quality		
Monofilament Thread (applicable to children only)	Visual	No monofilament thread allowed
Drawstrings and/or Ties (Children's of ALL ages)	ASTM F 1816-97	Must Comply with Kohl's Safety Requirement where specified
Fragile Trims	Visual	Sizes 0-5T: Must comply with Kohl's Safety Requirement Sizes over 5T & Adult: Report Actual Findings
Zipper Guard	Visual	Present – Refer to Product Safety Policy
Hook & Loop Fasteners	Visual	Must have rounded corners – Refer to Product Safety Policy
Sharp Points & Sharp Edges	CPSC 16 CFR 1500.48 - 49	No sharp points or sharp edges – Refer to Product Safety Policy
Small Parts Warning (Applicable To All Children's Products) *See pg 7 for Warning Labeling Requirements	ASTM F963 5.11	 WARNING: CHOKING HAZARD – Small parts. Not for children under 3 yrs.
Abuse Test	16 CFR 1500.51-53	Tension Test: 0 to < 18 months: 10 lbf for 10s >18 to < 96 months: 15 lbf for 10s Torque Test: 0 to < 18 months: 2 in. lb for 10s >18 to < 36 months: 3 in. lb for 10s >36 to < 96 months: 4 in. lb for 10s

Physical Properties				
Dimensional Change to Home Laundering, Dry Cleaning or Hand Wash (Differential Shrinkage between different fabrication should not exceed 2%)	AATCC 150 /AATCC 158 (3 cycles) AATCC LP2 (Length X Width) Tide ® Powder Detergent (maximum)	KNITS		
		FIBER CONTENT	FABRIC TYPE	
		100% COTTON	Jersey	6x6
			Interlock, 1x1 rib, 2x2 rib	6x6
			Thermal (waffle)	6x6
		CVC & Cotton Rich Stretch	Jersey	6x6
			Interlock, 1x1 rib, 2x2 rib	6x6
			Fleece, French Terry	6x6
			Thermal (waffle)	6x6
		100% POLY	Jersey	5x5
			Interlock	5x5
			1x1 rib, 2x2 rib, Thermal	6x6
			Fleece, French Terry	5x5
		POLY/COTTON	Jersey, Interlock	5x5
			1x1 rib, 2x2 rib, Thermal	6x6
Fleece, French Terry	5x5			
100% RAYON, Rayon/Spandex, Poly/Rayon, Poly/Rayon/Spandex	Jersey	6x6		
	1x1 rib, 2x2 rib	6x6		
		KNITS: Allow 1% Growth Only		
Wovens	FABRIC TYPE	SHRINK		
	Shrinkage % (Plain weave, Twill, Sheeting)	3x3		
	Shrinkage % (Flannels/Dobby/ Crepe/Gauze/ Crinkle Rayon/Seersucker)	5x5		
		WOVENS: Allow 1% Growth Only		
	Dry Clean Items:			
	Shrinkage %	2x2		
	growth %	1x1		
Appearance Retention	AATCC/ASTM TS-008 Modified AATCC LP2 Tide ® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements		
		Torque(max)	Tier 1 Tier 2	
		Knits	5% 3%	
		Wovens	3% 2%	
PERFORMANCE				
Seam strength - Knits	ASTM D 3786 lb/sq.in (min)		Tier 1 Tier 2	
		< /= 4.0 oz / sq yd	30 30	
		> 4.0 oz/ sq yd	35 35	
		Laces, Mesh	15 15	
		Functional Pockets-Seam Strength	15 15	
		Non-Functional Pockets-Seam Strength	Data Data	
Seam Strength/ Slippage - Wovens	ASTM D 1683 lbs. (min) Record seam slippage at 1/4" opening of seam	Functional Seams	Tier 1 Tier 2	
		< /= 3.0 oz/sq yd	15 20	
		3.1- 6 oz/sq yd	20 25	
		6.1- 9.0 oz/sq yd	25 30	
		>9.0 oz / sq yd	30 35	
		Functional Pockets-Seam Strength	15 15	
		Non-Functional Pockets-Seam Strength	Data Data	
Seam Stretchability - Knits	AATCC TS-015	Min 7lbs or 50% elongation		
Tensile Strength (Wovens)	ASTM D 5034 lbs. (min)		Tier 1 Tier 2	
		< /= 3.0 oz/sq yd	20 x 15 20x20	
		3.1 to 6 oz sq /yd	25x20 30x25	
		6.1 to 9 oz/sq yd	40 x35 45 x 40	
		>9oz/ sq yd	60x40 75 x 50	
Tear Strength (Wovens)	ASTM D 1424 lbs. (min)		Tier 1 Tier 2	
		< /= 3.0 oz/sq yd	1.5x1.0 2.0 x 1.5	
		3.1 to 6 oz sq /yd	2.0x1.5 2.5x2.0	
		6.1 to 9 oz/sq yd	2.5x2.0 3.0x2.0	
		>9oz/ sq yd	3.5 x 3.0 3.5 x 3.0	

Attachment Strength* A) Applies to all Rings/Sliders B) Applies to Buttons, Snaps, Small Parts, Belt Loops, Zipper Tab, etc. C) Applies to Hanger Loops D) Over 5T-Adult: Fragile Trims: Beads, Rhinestones, etc	16 CFR 1500.51-53 Pt. F (Saf Q)	A) REQUIREMENT (for all garments): No detachment at 25 lbs. DATA ONLY: Report the point at which the trim fails, or if there is no detachment at 50 lbs. B) REQUIREMENT: Over 5T - Adult: No detachment at 17 lbs. for 10 seconds <u>Exceptions:</u> Buttons: 20lbs DATA ONLY: Report the point at which the trim fails, or if there is no detachment at 50 lbs. C) REQUIREMENT: No detachment at 5 lbs. DATA ONLY: Report the point at which the trim fails, or if there is no detachment at 50 lbs. D) REQUIREMENT: 5 lbs. for 10 seconds minimum		
Pilling Resistance	ASTM D 3512		Tier 1	Tier 2
		30 Min	3.5	4.0
		60 Min	3.0	3.5
Abrasion Resistance	ASTM D 4966	15,000 rubs		
Attachment Strength 0-5T* Applies to ALL trims No fragile trims allowed	16 CFR 1500.51-53 Pt. F (Saf Q)	0-5T: No detachment at 17lbs for 10 seconds (no exceptions) **Must test in original state, after 1 wash, and after 5 washes		
Actual Use - Functionality	Actual use / functionality	Zipper shall zip, unzip freely and smoothly for 10 cycles Satisfactory if functional satisfactory or unsatisfactory for each repetition *Buttons or any other functional feature		
Mitten/jacket accessory system break away features and releases	ASTM F963 (Mod)	Accessory clip system must breakaway at 4lbs maximum; Report actual release force of each repetition Satisfactory/Unsatisfactory for each repetition Lab will need both male and female parts of clips to test. Will need jacket or sleeve of jacket with clips and mitten/glove with clips		
Mitten/jacket accessory system cycling test	Standard Measurement Test 2 samples; Cycle 100 times	If any breakage or damage to clip before 100 cycles, note what cycle breakage occurred and type of damage Satisfactory/Unsatisfactory for each sample Lab will need both male and female parts of clips to test. Will need jacket or sleeve of jacket with clips and mitten/glove with clips		
Colorfastness Properties				
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Shade Change: Grade 4 min		
Colorfastness to Crocking	AATCC 8/116 (min) Original State If results fail in original state, perform after 1 Wash/Dry Cycle	All fabrics (except listed below):		
			Tier 1	Tier 2
		dry	4.0	4.0
		wet	3.0	3.0
		Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends:		
		dry	3.5	3.5
		wet	2.0	2.0
Analytical Test				
Formaldehyde	Kohl's TM-5 (only for 4 years and up) JIS L 1041:2000 – Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	Negative, If Spot Test is Positive, proceed with step 2 Children over 5T & Adults = 75 ppm max. Children's 0-5T = 20 ppm max.		
pH Value	AATCC 81	Requirement: 5.0 - 8.0 (No tolerance)		
ADDITIONAL COLORWAY TESTING				
Flammability	16 CFR 1610	Class 1 Test non-exempt fabrics must be tested in every color		
Formaldehyde	Kohl's TM-5 (only for 4 years and up) JIS L 1041:2000 – Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	Negative, If Spot Test is Positive, proceed with step 2 Children <u>over 4 years</u> & Adults = 75 ppm max. Children's 0-5T = 20 ppm max.		
pH Value	AATCC 81	Requirement: 5.0 - 8.0 (No tolerance)		
Appearance Retention	AATCC/ASTM TS-008 Modified Tide ® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements (Refer KAR SOP)		
Colorfastness to Crocking ***For Burnout or Garment Dyed products, please make sure to test c/f crocking on BOTH the inside and outside of the garment***	AATCC 8/116 Original State If results fail in original state, perform after 1 Wash/Dry Cycle	All fabrics (except listed below):		
		dry	4.0	
		wet	3.0	
		Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends:		
		dry	3.5	
		wet	2.0	
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Shade Change: Grade 4 min		
Tensile Strength (Wovens)	ASTM D 5034 lbs. (min)		Tier 1	Tier 2
		< /= 3.0 oz/sq yd	20 x 15	20x20
		3.1 to 6 oz sq /yd	25x20	30x25

		6.1 to 9 oz/sq yd	40 x35	45 x 40
		>9oz/ sq yd	60x40	75 x 50
Tear Strength (Wovens)	ASTM D 1424 lbs. (min)		Tier 1	Tier 2
		< /= 3.0 oz/sq yd	1.5x1.0	2.0 x 1.5
		3.1 to 6 oz sq /yd	2.0x1.5	2.5x2.0
		6.1 to 9 oz/sq yd	2.5x2.0	3.0x2.0
		>9oz/ sq yd	3.5 x 3.0	3.5 x 3.0
Seam Strength/Slippage (wovens)	ASTM D 1683 (Functional Seams) lbs. (min) Record seam slippage at 1/4" opening of seam		Tier 1	Tier 2
		< /= 3.0 oz/sq yd	15	20
		3.1 to 6 oz sq /yd	20	25
		6.1 to 9 oz/sq yd	25	30
		9.1 to 10 oz / sq yd	30	35
		Functional Pockets- Seam Strength	15	15
		Non-Functional Pockets- Seam Strength	Data	Data
Bursting Strength (Knits)	ASTM D 3786 lbs/sq.in (min)		Tier 1	Tier 2
		> 12 oz/ sq yd	50	60
		< /= 4 oz/ sq yd	30	40
		> 4 oz/ sq yd	40	50
		Lace, mesh etc	15	15
Seam Strength (Knits)	ASTM D 3786 lbs/sq.in (min)		Tier 1	Tier 2
		< /= 4.0 oz / sq yd	30	40
		> 4.0 oz/ sq yd	40	45
		Lace, mesh etc	15	15
REQUIRED WHERE APPLICABLE AT ADDITIONAL COST				
Kohl's Durability Evaluation *	Kohl's Durability Evaluation Tide® Powder Detergent	Fragile trims, heat transfer & screen prints - Must meet all applicable Kohl's Durability Evaluation Requirements		
Resistance to Unsnapping/Snapping Buttons (Children's of ALL ages)	ASTM D 4846	Requirement = 1.5-8 lbs. max.		
Colorfastness to Saliva * (0-36 months only)	64LFGB B 82.92-3, Part 1	Staining : Grade 4.5 min.		
Top Stop Attachment Strength (Children's of ALL ages)	ASTM D 2061;22.2	Open End Zippers (2 & 3 Part Zipper Tab) Requirement = Refer to protocol 306 – Zippers		
Zipper Tab Twist (Children's Sizes 0-5T)	ASTM F 963	All Decorative (3 or more parts) Zipper Pulls must meet 4.0 in./lbs. minimum		
Pile Retention (Velvet, Velveteen, Velour, Corduroy, and Faux Fur)	ASTM D4685 Modified Option B	Face: 250 Cycles, Grade: 3.5 min. Back: 50 Cycles, Grade 3.0 min.		
Nickel Content – as per kohl's safety policy	Kohl's TM-18	Negative		
Colorfastness to Water * (Color block fabrics & contrast trims)	AATCC 107	Shade Change : Grade 4 min Self Staining: Grade 4 min Multi-fiber Staining: Grade 4.0 min		
Colorfastness to Sea Water * (Swimwear Only)	AATCC 106	Shade Change : Grade 3.5 min Self Staining: Grade 4 min Multi-fiber Staining: Grade 4.0 min		
Colorfastness to Chlorinated Pool Water * (Swimwear Only)	AATCC 162	Shade Change: Grade 3.5 min		
Colorfastness to Perspiration – Acid Only * (Activewear/Intimates/Linings)	AATCC 15	Shade Change : Grade 4 min Self Staining: Grade 4 min Multi-fiber Staining: Grade 4.0 min		
Colorfastness to Light* (Acvive/Outerwear/Swimwear)	AATCC 16.3-2012 10 AFU & 20 AFU	All Colors (except listed below): Shade Change: 10 AFU: Grade 4.0 min 20 AFU: Grade 3.5 min Neons/Brights/Whites/Pastels: Shade Change: 10 AFU: Grade 3.0 min 20 AFU: Grade 2.0 min		
Stretch & Recovery /Tension & Elongation **For garments containing Spandex ** Loose fitting- Note on test report	ASTM D4964-96(2012) E1 Modification: Take two 7.0 inch long width specimens from a large area of the garment, align the panels with face side out, stitch the two panels and parallel to the width of the specimen. Place another stitch at 5.0 inch from the first stitch, to create 5.0 inch loop circumference specimen **If garment submission is too small - take the largest size possible	To be recorded as DATA ONLY: Growth: Report Elongated distance & percentage after 60 seconds & 30 minutes. PASS/FAIL: Recovery: 85% min after 60 seconds Recovery: 85% min. after 30 minutes Report modulus at 30%, 50% & 70%. Report Elongation at 10 lbs		
Magnetic Closures	Refer to Protocol 502	All samples shall be reviewed against the requirements of Supplemental Magnetic Closure protocol.		
Reinforced Knee	Visual	Minimum of 2 layers of fabric must be present at knee area. Knee reinforcement will be top applied to shell fabric. (if necessary, cut into the garment to ensure multiple layers)		
TOXICOLOGY TESTING – REQUIRED WHERE APPLICABLE AT ADDITIONAL COST				

Lead Content in Surface Coating – Scrapeable in each color*	CPSC-CH-E1003-09.1	Children of ALL Ages: <90 ppm (0.009% total weight) Adults: <90 ppm max (0.009% total weight) Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing								
Total Lead in Substrate Material* (Accessible components)	CPSC-CH-E1002-08.1/CPSC-CH-E1001-08.1	Children's of ALL ages - <100 ppm max (0.010% total weight) Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing								
Phthalates content	Consumer Product Safety Improvement Act of 2008 / 16 CFR 1307 / CPSC-CH-C1001-09.4 (Mod)	Children's toys and childcare articles, before and after use and abuse testing, shall not contain concentrations of more than 0.1% BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP or DCHP individually. Component testing is allowed. Compositing up to 3 like materials is allowed. Product manufactured and imported as of April 25, 2018 must comply.								
Soluble Heavy Metals* Applies to Children's Toys	ASTM F 963	Children's Toys = Defined as a consumer product designed or intended by the manufacturer for a child, for use by the child when the child plays. Required for children's toys of ALL ages Mercury - 60 ppm Barium - 1000 ppm Antimony - 60 ppm Cadmium - 75 ppm Arsenic - 25 ppm Chromium - 60 ppm Selenium - 500 ppm Lead - 90 ppm								
Lead, Cadmium and Phthalate* Applicable to children product including: - Child car seats - Clothing - Cosmetics for children under the age of 12 - Jewelry for children under the age of 12 - Products to help a child with sucking or teething, to facilitate sleep, relaxation, or the feeding of a child	<u>Lead and Cadmium</u> EPA SW 846 Method # 3050B/3051 (Mod.) / CPSCCH-E1003-09.1/ CPSC-CHE1002-08.1 / CPSC-CHE1001-08.1 <u>Phthalate</u> CPSC-CHC1001-09.3	Washington Children's Safe Products Act ≤ 90 ppm (lead) ≤ 40 ppm (Cadmium) ≤ 0.1% (DEHP, BBP, DBP, DINP, DIDP, DnHP, DnOP, DIBP, DnPP or DCHP) (individually or in combination) Note: Actual test would be performed on below suggested accessible materials. <table border="1"><thead><tr><th>Substances</th><th>Suggested materials</th></tr></thead><tbody><tr><td>Lead</td><td>Follow CPSC lead</td></tr><tr><td>Cadmium</td><td>Follow CPSC lead</td></tr><tr><td>Phthalates</td><td>Coating & Plasticized materials</td></tr></tbody></table> The Washington standard cannot be enforced for products to which a federal standard applies.	Substances	Suggested materials	Lead	Follow CPSC lead	Cadmium	Follow CPSC lead	Phthalates	Coating & Plasticized materials
Substances	Suggested materials									
Lead	Follow CPSC lead									
Cadmium	Follow CPSC lead									
Phthalates	Coating & Plasticized materials									
(*) asterisk = ALL COLORWAYS MUST BE TESTED										
PRICING AND ADDITIONAL NOTE: *Please refer to Kohl's preferred third party labs for individual pricing and samples needed.										

PROTOCOL VERSION	DESCRIPTION OF CHANGE	DATE REVISION / APPROVED BY
224-1	Protocol creation	Kevin Makocy 12/8/2022
224-2	Added Reinforced Knee test line	Kevin Makocy 1/24/2023
224-3	Updated requirements for seam strength/seam slippage for wovens and bursting strength for knits	Violet Nelson 6/13/2023
224-4	Removed year from ASTM F963 test	Violet Nelson Feb 2024
224-5	Added Tensile Strength and Tear Strength to full package Updated Pilling Resistance	Kevin Makocy March 2024