

210-22
Seamless Foundations

PERFORMANCE	TEST METHOD	REQUIREMENT		
Label Verification				
Label Review	Care Label 16 CFR 423	Fiber Content, Care, Country of Origin, Manufacturers Registration Number, Wool Products Registration Number must meet Federal Standards		
	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	If label is not sewn to garment, artwork of the proposed care/content label must be provided.		
Tracking Label: Children's product: 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: <i>**If space limitations exist, contact Kohl's Quality Assurance & Product Integrity teams to discuss minimum required information (quality.assurance@kohls.com, product.integrity@kohls.com). **</i>	Kohl's Requirement	Refer to Kohl's Tracking Label Section in the Labeling Guideline Policy. TO BE MARKED AS 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		
Flammability	16 CFR 1610	Class 1 Test non-exempt fabrics must be tested in every color		
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) Drawstrings and/or Ties (Children's of ALL ages)	Visual ASTM F 1816-97	No monofilament thread allowed 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		
Physical Properties				
Fabric Weight	ASTM D 3776	Deviation from contracted weight (g/m2 OR oz/yd2): +/- 5% maximum		
Yarn Size	ASTM D 1059	Report Actual Data		
Count	ASTM D 3887, AATCC/ASTM TS-002	Report Actual Data		
Dimensional Change to Home Laundering, Dry Cleaning or Hand Wash	AATCC 135 (3 washes) AATCC LP2 (Length X Width) Ultra Tide® Powder Detergent	Knits	Tier 1 5x5	Tier 2 4x4
		Appearance Retention	Must meet all applicable Kohl's Appearance Evaluation Requirements	
Bursting Strength	AATCC/ASTM TS-008 Modified Ultra Tide® Powder Detergent ASTM D 3786		Tier 1	Tier 2
		< / = 4 oz/ sq yd	30	40
		> 4 oz/ sq yd	40	50
		Lace, Mesh	15	15
Stretch & Recovery /Tension & Elongation **For garments containing Spandex ** Loose fitting- Reach out to PI team	ASTM D4964-96(2012) E1 Modification: Take two 7.0 inch long width specimens from the thigh 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	To be recorded as DATA ONLY: Growth: after 60 seconds Growth: after 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		
Colorfastness				
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Shade Change: Grade 4 min		
Colorfastness to Crocking	AATCC 8/116 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		
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		
Analytical				
Formaldehyde	Kohl's TM-5 (only for 4 years and up) JIS L 1041:2000 –	Negative, If Spot Test is Positive, proceed with step 2 Children over 5T & Adults = 75 ppm max.		
	Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	Children's 0-5T = 20 ppm max.		
pH Value	AATCC 81	All colorways: 5.0-8.0 (zero tolerance)		

ADDITIONAL COLORWAY TESTING										
Fabric Weight	ASTM D 3776	Deviation from contracted weight (g/m2 OR oz/yd2): +/- 5% maximum								
Flammability	16 CFR 1610	Class 1								
	16 CFR 1615/1616	Non-exempt fabrics must be tested in every color Pass (Acceptance Criteria)								
Formaldehyde	Kohl's TM-5 (only for 4 years and up)	Negative. If Spot Test is Positive, proceed with step 2								
	JIS L 1041:2000 – Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	Children <u>over 4</u> & Adults = 75 ppm max. Children's 0-5T = 20 ppm max.								
pH Value	AATCC 81	All colorways: 5.0-8.0 (zero tolerance)								
Appearance Retention	AATCC/ASTM TS-008 Modified Ultra Tide® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements								
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Shade Change: Grade 4 min								
Colorfastness to Crocking	AATCC 8/116 Original State If results fail in original state, perform after 1 Wash/Dry Cycle	All fabrics (except listed below):								
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								
REQUIRED WHERE APPLICABLE AT ADDITIONAL COST										
Wire Diameter(under wire only)	Micrometer	Report actual measurement in mm								
Hook & Loop Fasteners	Visual	Must have rounded corners – Refer to Product Safety Policy								
Stretch and Recovery- Bra Band, waist band, Leg openings and Shoulder Straps	Kohl's TM-20	Elongation : 85% Min Recovery:80 % Min								
Attachment Strength*	16 CFR 1500.51-53 Pt. F	Sizes 0-5T: No detachment at 17 lbs. for 10 seconds (Must test in original state, after 1 wash, and after 5 washes)								
Applies to Small Parts/Belt Loops/Zipper Tab etc.	(Saf Q)	Sizes over 5T & Adult: 15 lbs. for 10 seconds (Fragile trims: beads, rhinestones etc.= 5 lbs. for 10 seconds minimum)								
a.Fragile Trims (Bows etc)	16 CFR 1500.51-53 Pt. F (SAF Q)	Fragile trims: beads, rhinestones etc.= 5 lbs. for 10 seconds minimum								
b.Hook &Eye	ASTM D 1683	15 lb min								
c.Strap Joining,Cup to Back Seam, Side Seam (as applicable)	ASTM D 1683	Back Strap: 10 lbs min All others : 15 lbs min								
Kohls Durability Evaluation *	Kohl's Durability Evaluation Ultra Tide® Powder Detergent	Fragile trims, heat transfer & screen prints - Must meet all applicable Kohl's Durability Evaluation Requirements								
Colorfastness to Atmospheric Fumes (White Fabrics only)	AATCC 23 modified(test entire bra cup) for 1 cycle	Grade 4 min								
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) from Spring 2014 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 963-17	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-CH-E1002-08.1 / CPSC-CH-E1001-08.1 <u>Phthalate</u> CPSC-CH-C1001-09.4 (Mod)	Washington Children's Safe Products Act ≤ 90 ppm (lead) ≤ 40 ppm (Cadmium) ≤ 0.1% (DEHP, BBP, DBP, DINP, DIBP, 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 and 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 and Plasticized materials
Substances	Suggested materials									
Lead	Follow CPSC lead									
Cadmium	Follow CPSC lead									
Phthalates	Coating and 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
208-5	Incorporated Silver, Gold, Platinum standards. Added pH	Sep 2013/ Vinoth
210-7	Removed pricing for testing/took out Intertek/added approved lab statement	October 6th 2014/Nov. 31 2014/Leah Gross-Hutchison
210-8	Updated PH for Whites	09/2015: Michelle Zydek
210-9	Updated PH for Whites	4/2016- Jackie Deppisch
210-10	Lead, Cadmium and Phthalate in Washington Children's Safe Products Act	August 2016 - Becky Becker
210-11	1) Attachment Strength - Added "(Must test in original state, after 1 wash, and after 5 washes)" for sizes 0-5T. 2) Fragile Trims - updated size ranges to include 5T 3) Formeldehyde - updated size ranges to include 5T	February 2017 - Becky Becker
210-12	1) Updated crocking requirements to read: "Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends"	5/2017 Becky Becker
210-13	1) Updated Phthalates in each plasticized part/material such as PVC, Vinyl 2) Updated pH value to 5.0 - 8.0 zero tolerance	October 2018 - Becky Becker
210-14	1) Updated Tracking Label to include Adult Tracking label requirements	March 2019-Jackie Deppisch
210-15	Separated Adult Tracking & made it DATA ONLY	March 2019-Jackie Deppisch
210-16	Updated S&R requirements	April 2019-Jackie Deppisch
210-17	1) Updated hand wash requirement to AATCC LP2 2) Updated Pthtalates requirement to CPSC-CH-C1001-09.4 (Mod	April 2019 - Becky Becker
210-18	1) Added tension & elongation testing	May 2019/Jackie Deppisch
210-19	1) Updated Adult Tracking Label as REQUIREMENT 2) Updated S&R/T&E testing to be one modified TM	March 2020- Jackie Deppisch
210-20	Removed Tier 3 from protocol	Aug 2021 Elizabeth Armstrong
210-21	1) Added test line for all performance claims	March 2022 / Becky Becker
210-22	1) Added reference to Protocol 501	October 2022 / Kevin Makocy