

210-23
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 Consumer Policy. Following information must be provided: Retailer's Name (Kohl's) Style Number/Name Factory Number Date (Month/Year)																		
Adult Tracking Label:	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)	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																		
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	<table border="1"> <thead> <tr> <th></th> <th>Tier 1</th> <th>Tier 2</th> </tr> </thead> <tbody> <tr> <td>Knits</td> <td>5x5</td> <td>4x4</td> </tr> </tbody> </table>		Tier 1	Tier 2	Knits	5x5	4x4												
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Appearance Retention	AATCC/ASTM TS-008 Modified Ultra Tide ® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements																		
Bursting Strength	ASTM D 3786	<table border="1"> <thead> <tr> <th></th> <th>Tier 1</th> <th>Tier 2</th> </tr> </thead> <tbody> <tr> <td>< / = 4 oz/ sq yd</td> <td>30</td> <td>40</td> </tr> <tr> <td>> 4 oz/ sq yd</td> <td>40</td> <td>50</td> </tr> <tr> <td>Lace, Mesh</td> <td>15</td> <td>15</td> </tr> </tbody> </table>		Tier 1	Tier 2	< / = 4 oz/ sq yd	30	40	> 4 oz/ sq yd	40	50	Lace, Mesh	15	15						
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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): <table border="1"> <thead> <tr> <th></th> <th>Tier 1</th> <th>Tier 2</th> </tr> </thead> <tbody> <tr> <td>dry</td> <td>4.0</td> <td>4.0</td> </tr> <tr> <td>wet</td> <td>3.0</td> <td>3.0</td> </tr> </tbody> </table> Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends: <table border="1"> <thead> <tr> <th></th> <th>Tier 1</th> <th>Tier 2</th> </tr> </thead> <tbody> <tr> <td>dry</td> <td>3.5</td> <td>3.5</td> </tr> <tr> <td>wet</td> <td>2.0</td> <td>2.0</td> </tr> </tbody> </table>		Tier 1	Tier 2	dry	4.0	4.0	wet	3.0	3.0		Tier 1	Tier 2	dry	3.5	3.5	wet	2.0	2.0
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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 – 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	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 over 4 & 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):		
		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	AATCC 15	Shade Change : Grade 4 min Self Staining: Grade 4 min Multi-fiber Staining: Grade 4.0 min		
(Activewear/Intimates/Linings)				
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		
Kohl's 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 & Adults - ≤ 90 ppm max (0.009% 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, DIDP, DNOP, 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 *	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		
Applies to Children's Toys		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*	<u>Lead and Cadmium</u> EPA SW 846 Method # 3050B/3051 (Mod.) / CPSC-CH-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, DIDP, DnHP, DnOP, DIBP, DnPP or DCHP (individually or in combination)) Note: Actual test would be performed on below suggested accessible materials.		
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				
		Suggested materials		
Substances				
Lead		Follow CPSC lead		
Cadmium		Follow CPSC lead		
Phthalates		Coating and Plasticized materials		
The Washington standard cannot be enforced for products to which a federal standard applies.				
(*) 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) Formaldehyde - 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
210-23	1. Updated Total Lead in Substrate requirement to be 90 ppm instead of 100 ppm, per labs advisement/MN Law & include ADULTS in requirement 2. Updated Phthalates to include DNOP and DIDP per labs advisement/ MN Law	January 2025/ Jackie Deppisch