

202-36

Sweater / Crochet Garment Test Protocol

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.															
Tracking Label (Children of ALL ages)	Consumer Product Safety Improvement Act of 2008 (CPSIA) SEC. 103	Children's: 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. 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															
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															
Physical Properties																	
Yarn Size	ASTM D 1059	Tolerance +/- 5 % Max															
Count	ASTM D 3887, AATCC/ASTM TS-002	Tolerance +/- 5 % Max															
Garment Weight	ASTM D 3776 Modified	0.5 lb/doz weight range for sweater programs below 10 lbs/doz 1 lb/doz weight range for sweater programs at 10 lbs/doz or more															
Flammability	16 CFR 1610	Class 1 Test non-exempt fabrics must be tested in every color															
Dimensional Change to Home Laundering, Dry Cleaning or Hand Wash (Differential shrinkage between different fabrications should not exceed 2%)	AATCC 150/AATCC 158 (5 cycles) AATCC LP2 (Length X Width) Tide ® Powder Detergent (max.) AATCC 158 (5 cycles) for all gauges (max.)	<table border="1"> <thead> <tr> <th></th><th>Tier 1</th><th>Tier 2</th></tr> </thead> <tbody> <tr> <td>Shrinkage %</td><td></td><td></td></tr> <tr> <td>Fine Gauge (> 15 gg)</td><td>6x6</td><td>4x4</td></tr> <tr> <td>Bulky (< /= 15 gg)</td><td>7x7</td><td>5x5</td></tr> <tr> <td>Growth %</td><td colspan="2">Allow 1% Growth Only</td></tr> </tbody> </table>		Tier 1	Tier 2	Shrinkage %			Fine Gauge (> 15 gg)	6x6	4x4	Bulky (< /= 15 gg)	7x7	5x5	Growth %	Allow 1% Growth Only	
	Tier 1	Tier 2															
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Fine Gauge (> 15 gg)	6x6	4x4															
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Growth %	Allow 1% Growth Only																
Appearance Retention	AATCC/ASTM TS-008 Modified Tide ® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements															
Seam Stretchability	AATCC/ASTM TS 015	Minimum of 7lbs or 50 % elongation of seams.															
"Attachment Strength" A) Applies to all Rings/Sliders B) Applies to Buttons, Snaps, Small Parts, Belt Loops, Zippers C) Applies to Plastic Hanger Loops D) Over 5T-Adult: Fragile Trims: Beads, Rhinestones, etc.	16 CFR 1500.51-53 Pt. F (Saf Q)	<p>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.</p> <p>B) REQUIREMENT: Over 5T - Adult: No detachment at 17 lbs. for 10 seconds Exceptions: Buttons: 20lbs DATA ONLY: Report the point at which the trim fails, or if there is no detachment at 50 lbs.</p> <p>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.</p> <p>D) REQUIREMENT: 5 lbs. for 10 seconds minimum</p>															
Pilling	Kohl's Durability Evaluation As Received and after 5 washes	Grade 4.0															
Additional Pilling Testing Requirement	ICI Pilling Box (Also known as BS 5811 or ISO 12945-1)	ICI Pilling Box: 2hrs / 7,200 Cycles Requirement: 3.0 1. Completed by Yarn Mill @ Pre Yarn Development Stage 2. Complete by vendor @ Pre Production Stage 3. Complete by vendor @ Bulk Garment Production															
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 4 years & Adults = 75 ppm max. Children's 0-5T = 20 ppm max.
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
pH Value	AATCC 81	All Colorways: 5.0-8.0 (zero tolerance)
Colorfastness Properties		
Colorfastness to Crocking	AATCC 8/116	All fabrics (except listed below):
	Original State	Dry 4.0
	If results fail in original state, perform after 1 Wash/Dry Cycle (minimum)	Wet 3.0
		Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends:
		Dry 3.5
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Wet 2.0
Shade Change: Grade 4 min		
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 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)
Appearance Retention	AATCC/ASTM TS-008 Modified AATCC LP2 Tide ® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements
Colorfastness to Crocking	AATCC 8/116 Original State	All fabrics (except listed below):
	If results fail in original state, perform after 1 Wash/Dry Cycle (minimum)	Dry 4.0
		Wet 3.0
		Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends:
		Dry 3.5
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Wet 2.0
Shade Change: Grade 4 min		
Pilling	Kohl's Durability Evaluation As Received and after 5 washes	Grade 4.0
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
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 min
Colorfastness to Chlorinated Pool water * (swimwear only)	AATCC 162	Shade Change : Grade 3.5 min
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)	64LFG B 82.92-3, Part 1	Staining : Grade 4.0 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 963-08	All Decorative (3 or more parts) Zipper Pulls must meet 4.0 in./lbs. minimum
Pile Retention (Velvet, Velveteen, Velour, Corduroy, Faux Fur)	ASTM D4685 Modified Option B	Face: 250 Cycles, Grade 3.5 min. Face: 50 Cycles, Grade 3.0 min.
Nickel Content – as per kohls safety policy	Kohl's TM-18	Negative
Leather Thickness	ASTM D 1813	± 10% max deviation from contracted thickness
Spew (Leather & Suede)	48 hr @ 50o C/90% RH; Then 6 hr @ -20oC	No visible spew
Blocking of Finish (Leather & Suede)	ASTM D 6116 MOD	No sticking together of surface
Magnetic Closures	Refer to Protocol 502	All samples shall be reviewed against the requirements of Supplemental Magnetic Closure protocol.
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 * 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-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.	
		<u>Substances</u>	<u>Suggested materials</u>
		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
202-5	1. Formaldehyde – Modified JIS method to Water Extraction. Updated Children 0-4T req. from 0.05 Absorbency to 20 ppm. 2. Dimensional Change – Changed req. for Knits from 7% to 6%. 3. Lead in Surface Coating – Updated Adult req. from 600ppm to 90 ppm. 4. Heavy Metals – Updated year of test method from 2008 to 2011. Test applies to both coating and substrate. 5. Pilling – Changed test method from ICI-ISO 12945-1 to Durability Evaluation up to 5 washes. Rating from 3.5 to 4.0 6. Added Leather and Suede Tests to Optional Testing Section. 7. Added pH Value. 8. Crocking – Added Leather & Suede. Updated Pigment/Indigo dry crocking req. from 3.0 to 4.0. 9. incorporated silver/ gold/ platinum standards 10. seam strength revised test method	May 2013 Vinoth
202-6	Removed the garment weight for additional colorway for all sweaters	April 2014 Vinoth
202-7	Removed pricing for testing/took out Intertek/added approved lab statement	November 2014 Leah Gross-Hutchison
202-8	Change garment color requirements to medium colorway	December 2014 Michelle Zydek
202-9	Sweater weight updated to lbs/doz. Size request change to base colorway. Ph for white updated	September 2015 Michelle Zydek
202-10	Lead, Cadmium and Phthalate in Washington Children's Safe Products Act	August 2016 Becky Becker
202-11	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 4) Zipper Tab Twist - updated size ranges to include 5T	February 2017 Becky Becker
202-12	1) Blocking of Finish (Leather or Suede) ASTM D 6116 - added MOD	April 2017 Becky Becker
202-13	1) Updated crocking requirements to read: "Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends"	May 2017 Becky Becker
202-14	1) Updated the Pile Retention testing requirements with "(For Faux Fur and Trim with Pile Only)".	June 2017 Becky Becker
202-15	1) Updated pH req to 5.0-8.0 ALL COLORWAYS	September 2018 Jackie Deppisch
202-16	1) Updated soluble metals to be most recent test method	September 2018 Charlene Swanson
202-17	1) Updated Phthalates in each plasticized part/material such as PVC, Vinyl	October 2018 Becky Becker
202-18	1) Updated Tracking Label to include information for Adult Tracking label requirements	March 2019 Jackie Deppisch
202-19	1) Separated Adult & Children's Tracking Label & marked Adults as DATA ONLY	March 2019 Jackie Deppisch
202-20	1) Updated Pile Retention to ASTM D4685 2) Updated Colorfastness to saliva to be most current	March 2019 Charlene Swanson
202-21	1) Updated Phthalates requirement to CPSC-CH-C1001-09.4 (Mod 2) Updated Hand Wash to AATCC LP2	April 2019 Becky Becker

202-22	Updated attachment strength requirements	June 2019 Jackie Deppisch			
202-23	Updated attachment strength requirements, separated out by children's and adults	August 2019 Elizabeth Armstrong			
202-24	Revised attachment strength requirements	August 2019 Elizabeth Armstrong			
202-25	1) Updated dry cleaning to be up to 3 cycles instead of 1 cycle (AATCC 158) 2) Removed "Ultra" from Tide detergent from Dimensional Stability, Appearance Retention and Durability Evaluation	December 2019 Charlene Swanson			
202-26	1) Updated Adult Tracking Label to be PASS/FAIL instead of DATA.	March 2020 Jackie Deppisch			
202-27	1) Added Magnetic Closure test line	March 2021 Charlene Swanson			
202-28	1) Updated Tiering	August 2021 Jackie Deppisch			
202-29	1) Updated formatting 2) Updated email for adult tracking label	September 2021 Charlene Swanson			
202-30	1) Added test line for all performance claims	March 2022 Becky Becker			
202-31	1) Added Softlines Regulatory Supplemental Protocol	November 2022 Kevin Makocy			
202-32	Removed Shrinkage % 3x3 as all should fall into the gauge requirements	June 2024 Elizabeth Armstrong			
202-33	Updated growth % to 1% growth allowed and removed two separate rows to avoid confusion	October 2024 Elizabeth Armstrong			
202-34	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			
202-35	Update Dimensional Stability/KAR number of washes to be 5 instead of 3 to match with the KAR/Durability SOP document	June 2025 Jackie Deppisch			
202-36	Added the additional pilling testing requirement to protocol	Elizabeth Armstrong Dec 2025			