

Sweater / Crochet Garment Test Protocol

PERFORMANCE	TEST METHOD	REQUIREMENT
<b>Label Verification</b>		
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	<b>Children's:</b> <b>Refer to Kohl's Tracking Label Section in the Labeling Guideline Policy.</b> <b>Following information must be provided:</b> 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 (MR. QA.PI@kohls.com).**	Kohl's Requirement	<b>Refer to Kohl's Tracking Label Section in the Labeling Guideline Policy.</b> <b>TO BE MARKED AS PASS/FAIL:</b> Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #
Fiber Content	AATCC 20/20A	One Fiber Only: No Tolerance
[For filled garments, garments with lining, faux fur trim, etc., if previously not tested]	Textile Fiber Products Identification Act 16 CFR 303	Two or More Fibers: +/- 3% max deviation from contracted fiber content
	Wool Product Labeling Act-16 CFR 300	Functional Fibers i.e. Spandex: +/- 2% max deviation from contracted fiber
	Fur Products Labeling Act – 16 CFR 301	
	Fur Product Identification Act – 15 U.S.C.69	
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.
<b>Construction Quality</b>		
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	CPSIC 16 CFR 1500.48 - 49	No sharp points or sharp edges – Refer to Product Safety Policy
<b>Physical Properties</b>		
Yarn Size	ASTM D 1059	Tolerance +/- 5 % Max
Count	ASTM D 3887,	Tolerance +/- 5 % Max
	AATCC/ASTM TS-002	
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 (3 cycles) AATCC LP2 (Length X Width) Tide ® Powder Detergent (max.) AATCC 158 (3 cycles) for all gauges (max.)	
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, Zipper Tab, etc.  C) Applies to Plastic 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 Exceptions: 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	Kohl's Durability Evaluation As Received and after 5 washes	Grade 4.0

Analytical Test		
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 –	Children <u>over 4 years</u> & Adults = 75 ppm max.
	Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	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	wet 3.0
		(minimum)
		dry 3.5
	wet 2.0	
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC/ASTM TS-001	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)	Negative, If Spot Test is Positive, proceed with step 2
	JIS L 1041:2000 –	Children <u>over 5T</u> & 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)
Appearance Retention	AATCC/ASTM TS-008 Modified	Must meet all applicable Kohl's Appearance Evaluation Requirements
Colorfastness to Crocking	AATCC 8/116 Original State If results fail in original state, perform after 1 Wash/Dry Cycle (minimum)	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
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
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.  <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
202-5	1. Formaldehyde – Modified JIS method to Water 2. Dimensional Change – Changed req. for Knits from 7% 3. Lead in Surface Coating – Updated Adult req. from 4. Heavy Metals – Updated year of test method from 5. Pilling – Changed test method from ICI-ISO 12945-1 to 6. Added Leather and Suede Tests to Optional Testing 7. Added pH Value. 8. Crocking – Added Leather & Suede. Updated 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	04/01/2014 / Vinoth
202-7	Removed pricing for testing/took out Intertek/added	October 6th 2014/Nov. 31 2014/Leah Gross-Hutchison
202-8	Change garment color requirements to medium colorway	Dec 2014- Michelle Zydek
202-9	Sweater weight updated to lbs/doz. Size request change to base colorway. Ph for white updated	Sept 2015-Michelle Zydek
202-10	Lead, Cadmium and Phthalate in Washington Children's	August 2016 - Becky Becker
202-11	1) Attachment Strength - Added "(Must test in original	February 2017 - Becky Becker
202-12	1) Blocking of Finish (Leather or Suede) ASTM D 6116 -	April 2017 - Becky Becker
202-13	1) Updated crocking requirements to read: "Pigment	May 2017 - Becky Becker
202-14	1) Updated the Pile Retention testing requirements with	June 2017 - Becky Becker
202-15	1) Updated pH req to 5.0-8.0 ALL COLORWAYS	September 2018-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	October 2018 - Becky Becker
202-18	1) Updated Tracking Label to include information for Adult	March 2019-Jackie Deppisch
202-19	1) Separated Adult & Children's Tracking Label & marked	March 2019-Jackie Deppisch
202-20	1) Updated Pile Retention to ASTM D4685	March 2019 - Charlene Swanson
202-21	1) Updated Phthalates requirement to CPSC-CH-C1001-09.4	April 2019 - Becky Becker
202-22	Updated attachment strength requirements	June 2019-Jackie Deppisch
202-23	Updated attachment strength requirements, separated out	Aug 2019 - Elizabeth Armstrong
202-24	Revised attachment strength requirements	Aug 2019 - Elizabeth Armstrong
202-25	1) Updated dry cleaning to be up to 3 cycles instead of 1	December 2019 - Charlene Swanson
202-26	1) Updated Adult Tracking Label to be PASS/FAIL instead of	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	Elizabeth Armstrong Oct 2024
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