

**PROTOCOL # 702-21**

**Bath Wraps/ Hair Wraps/ Lounge Chair Covers/ Wash Mitts**

Performance Test	Test Method	Requirement
<b>Initial Package</b>		
<b>Label Verification</b>		
Label Review	Care Labeling 16 CFR 423  16 CFR 300/ 19 CFR 134  Textile Fiber Products Identification Act 16 CFR 303  Wool Products Labeling Act	<b>Verify Information on TRF matches the label</b>  Fiber content, Care, Country of Origin, Manufacturers Registration Number, Wool Products Registration Number must meet Federal Standards  If labeling or packaging is not attached to product, artwork must be provided
Tracking Label:  <b>Children's product: ALL ages</b>	Consumer Product Safety Improvement Act of 2008 (CPSIA)  SEC. 103	<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: <i>**If space limitations exist, contact Kohl's Quality Assurance &amp; Product Integrity teams to discuss minimum required information (quality.assurance@kohls.com, product.integrity@kohls.com).**</i>	Kohl's Requirement	<b>TO BE MARKED AS PASS/FAIL</b> <b>Can be included on packaging when necessary:</b> Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #
Packaging Review  Actual packaging or artwork must be provided	FPLA/ UPLR 16 CFR 500 & 19 CFR 134	Should be legibly marked with the following information and verified: -Distributor's name, trademark or other means of identification of the manufacturer or packer and address (City, State, Zip) -Product identification - Net quantity of the contents in terms of weight, measure or numerical count (metric & US standard) or a combination so as to give accurate information and facilitate value comparison by the consumer (if applicable) -Country of origin (if imported) -Product Size (if applicable) <b>Refer to Kohl's FPLA/ UPLR guideline</b>

Import Permit (For Natural Materials Only)	US Department of Agriculture Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)	Product shall not have prohibited materials present per US Department of Agriculture, Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)  Documentation and/ or proper permit(s) for specific product shall be supplied along with Testing Request form and samples. Permit information may be found at: <a href="https://www.aphis.usda.gov/wps/portal/aphis/home/">https://www.aphis.usda.gov/wps/portal/aphis/home/</a>  It is the vendor's responsibility for the compliance to relevant requirements.
Performance Claims for Home Textile Products (1000)	Refer to Protocol 1000	All samples shall be reviewed against the requirements of the Performance Claims for Home Textile Products Protocol to determine if additional testing or labeling is required
<b>Physical Properties</b>		
Fiber Content	AATCC 20/ 20A  Wool Products Labeling Act	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
Count	ASTM D 3775 / ASTM 3887/ AATCC/ ASTM TS-002	Report Actual Data
Fabric Weight	ASTM D 3776	+/- 5% max (oz/sqyd) deviation from contracted weight
Product Size	Kohl's TM-8	If claimed on packaging: +3% max -0% max If not claimed on packaging: Report Actual
<b>Performance Test</b>	<b>Test Method</b>	<b>Requirement</b>
<b>Physical Properties</b>		
Yarn Size	ASTM D 1059	Contracted Yarn Size: +/- 5% max deviation
Flammability	16 CFR 1500.44	Burn Rate <0.1 in/ sec.
<b>Analytical</b>		
Tech Pack Verification*	Visual Check	Verify all claims mentioned in Tech Pack file
Formaldehyde - Adults & children	Kohl's TM-5	Negative, If Spot Test is Positive/ inconclusive, proceed with
Formaldehyde - Children's 0-5T	JIS L 1041:2011 Sec. 8.1.3 & 8.1.4 Method A or B	Children 0-5T = 20 ppm max.
pH Value	AATCC 81	All colorways: 5.0-8.0 (No Tolerance)
CA Prop 65* (if applicable)	Refer to protocol 1300	All samples shall be reviewed against the requirements of California Prop 65
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.
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
Flammability Fabric hair wrap <2"	16 CFR 1500.44	Burn Rate <0.1 in/ sec.

Flammability Fabric hair wraps =/> 2"	16 CFR 1610	Class 1	
<b>Dimensional Change</b>			
Dimensional Change to Home Laundering  (entire sample to be washed)	AATCC 150 (after 3 washes)  (Length X Width) Tide® Powder Detergent		Tier 1
		Washcloth	+/- 5% max
		Dobby Shrinkage:	+/- 1.5% max
		Growth	+2% max
		Tier 2: Use same requirements as Tier 1, evaluate after 3 and 5 washes	
Appearance Retention	AATCC/ASTM TS-008 Modified	Must meet all applicable Kohl's Appearance Evaluation	
<b>Strength &amp; Durability</b>			
Seam Strength	ASTM D 1683 (wovens)/ ASTM D 3786 (knits)	Wovens	20 lbs. min.
		Knits	30 lbs. min.
Surface Water Absorbency of Terry Fabrics	ASTM D 4772  (Use alternate sample prep procedure; section 8.2 & perform A/3 laundering cycles)	Terry Towels	65% min.
		Sheared Loop (velour)	50% min.
Attachment Strength* A) Applies to all Rings/Sliders  B) Applies to Buttons, Snaps, Small Parts, Belt Loops, Zipper Tab, etc.  C) Over 5T-Adult: Fragile Trims: Beads, Rhinestones, etc.	16 CFR 1500.51-53 Pt. F (Saf Q)	<p>A) REQUIREMENT: 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: 5 lbs. for 10 seconds minimum</p>	
Reasonable and Foreseeable Abuse Tests	ASTM F 963	Drop Test (4.5 ft X 10 times)	No damage
		Torque Test	4 in - lbf
		Compression Test	30lbf
<b>Colorfastness</b>			
Colorfastness to Crocking	AATCC 8/116	<u>All fabrics/ dyes (except listed below):</u> <u>Dry - Grade 4 min</u> <u>Wet - Grade 3 min</u>  <u>Pigment Dyed/ Printed, Direct Dye, Vat Dye, Sulfur, Lightly Brushed, Piled, Indigo:</u> <u>Dry - Grade 3.5 min</u> <u>Wet - Grade 2 min</u>	
Colorfastness to Water	AATCC 107	Shade Change	Grade 4 min.
		Self-staining	Grade 4 min.
		Staining	Grade 4 min.
Colorfastness to Chlorine Bleach	AATCC/ASTM TS-001	Shade Change	Grade 4 min

Resistance to Saliva (without perspiration)	64 LFGB B82.92-3 Part 1	Staining Color Change	Grade 4 min Grade 4 min
<b>ADDITIONAL COLORWAY TESTING</b>			
Surface Water Absorbency of Terry Fabrics	ASTM D 4772  (Use alternate sample prep procedure; section 8.2 & perform A/3 laundering cycles)	Terry Towels	65% min.
		Sheared Loop (velour)	50% min.
Flammability Fabric hair wrap <2"	16 CFR 1500.44	Burn Rate <0.1 in/ sec.	
Flammability Fabric hair wraps =/> 2"	16 CFR 1610	Class 1	
Appearance Retention	AATCC/ASTM TS-008 Modified  Tide® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements	
Colorfastness to Chlorine Bleach AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Shade Change	Grade 4 min
Colorfastness to Crocking	AATCC 8/116	<u>All fabrics/ dyes (except listed below):</u> <u>Dry - Grade 4 min</u> <u>Wet - Grade 3 min</u>  <u>Pigment Dyed/ Printed, Direct Dye, Vat Dye, Sulfur, Lightly</u> <u>Brushed, Piled, Indigo:</u> <u>Dry - Grade 3.5 min</u> <u>Wet - Grade 2 min</u>	
Colorfastness to Water	AATCC 107	Shade Change Self-staining Staining	Grade 4 min. Grade 4 min. Grade 4 min.
Formaldehyde - Adults & children	Kohl's TM-5	Negative, If Spot Test is Positive/ inconclusive, proceed with	
Formaldehyde - Children's 0-45T	JIS L 1041:2011 Sec. 8.1.3 & 8.1.4 Method A or B	Children 0-5T = 20 ppm max.	
pH Value	AATCC 81	white colorways: 5.0 - 7.0 all other colorways: 6.0 - 8.0	
Resistance to Saliva (without perspiration)	64 LFGB B82.92-3 Part 1	Staining Color Change	Grade 4 min Grade 4 min
<b>OPTIONAL TESTING - (required where applicable at additional cost)</b>			
Sharp Points & Sharp Edges *	CPSC 16 CFR 1500.48 - 49	No sharp points or sharp edges - Refer to Product Safety Policy	
<b>OPTIONAL TESTING - Children's Products having a Child's Appeal</b>			
Small Parts, Sharp Points & Sharp Edges *	ASTM F 963, 4.6, 4.7, 4.9	16 CFR 1500 & 1501. No safety hazards	
Flammability *	ASTM 963, 4.2	Less than 0.1"/sec (16 CFR 1500.44)	
Drop Test *	ASTM F 963 (table 5)	16 CFR 1500. No safety hazards	
Torque Tests for Removal of Components * (Children's products)	ASTM F 963 (table 5)	16 CFR 1500. No safety hazards	

Tension Test for Removal of Components * (Children's products)	ASTM F 963 (Table 5)	16 CFR 1500. No safety hazards								
Compression Test *	ASTM F 963 (table 5)	16 CFR 1500. No safety hazards								
Flexure Test *	ASTM F 963 (table 5)	16 CFR 1500. No safety hazards								
<b>OPTIONAL TESTING - TOXICOLOGY TESTING (required where applicable at additional cost)</b>										
Lead Content in Surface Coating -	CPSC-CH-E1003-09.1	<b>Children &amp; Adult Products</b> ≤ 90 ppm (0.009% total weight)								
Total Lead in Substrate Material*	CPSC-CH-E1002-08.3/ CPSC-CH-E1001-08.3	Children of ALL ages - Accessible components in each part/ material  ≤ 100 ppm (0.010% total weight)								
Phthalates in each plasticized part/ material such as PVC, Vinyl *	CPSC-CH-1001.09.3	<b>Applies to ALL Children's Products</b> ≤ 1000 ppm max (0.1% max total) BBP, DBP, DEHP, DINP, DIDP, DNOP ≤ 1000 ppm max (0.1% max each individual) DCHP, DIBP, DnHP/DHEXP, DPP/DPENP  <b>ALL Adult products</b> ≤ 1000 ppm max (0.1% max total) BBP, DBP, DEHP, DINP, DIDP, DNOP ≤ 1000 ppm max (0.1% max each individual) DCHP, DIBP, DnHP/DHEXP, DPP/DPENP								
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	Lead and Cadmium EPA SW 846 Method # 3050B/3051 (Mod.) / CPSCCH-E1003-09.1/ CPSC-CHE1002- 08.1 / CPSC-CHE1001-08.1  Phthalate CPSC-CHC1001-09.3	Washington Children's Safe Products Act  ≤ 90 ppm (lead) ≤ 40 ppm (Cadmium) ≤ 0.1% (max total) BBP, DBP, DEHP, DINP, DIDP, DNOP ≤ 0.1% (max each individual) DCHP, DIBP, DnHP/DHEXP, DPP/DPENP  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 &amp; 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

## **Minimum Sample Size Necessary for Testing**

### **Initial Package**

9 finished products + 1 yard of fabric

### **Additional Colorways**

4 finished products

### **Toxicology Testing**

Consult with Lab for the number of samples

**Pricing: Please refer to Kohl's preferred third party labs for individual pricing**

Turn Around Time = 4-5 working days

Toxicology Testing = 6 working days

<b>PROTOCOL VERSION</b>	<b>DESCRIPTION OF CHANGE</b>	<b>DATE REVISION/</b>
702-1	<ol style="list-style-type: none"> <li>1) Label review – added 16 CFR 300/ 19 CFR 134 and verify information on TRF matches the label</li> <li>2) Added tracking label</li> <li>3) Updated requirement for fabric weight to be reported in oz/sq yd</li> <li>4) Updated Formaldehyde Spot test method to Kohl's TM-5.</li> <li>5) Resistance to Saliva – Changed method from 35 LMBG 82.10 to 64 LFGB B82.10-1.</li> <li>6) Added Safety supplement testing for products with child appeal</li> <li>7) Lead Surface Coating – Corrected method from 16 CFR 1303 to CPSC-CH-E1003-09. Also, added requirement for Adult products.</li> <li>8) Lead Substrate – Corrected method from EPA 3050B or EPA 3051 to CPSC-CH-E1002-08/CPSC-CH-E1001-08.</li> <li>9) Phthalates – Corrected method from ASTM D3421 to CPSC-CHC1001.09.2.</li> <li>10) Heavy Metals – Corrected method from ASTM F 963-07 to ASTM F 963-08</li> </ol>	Amy Her/ Aug 2011
702-2	<ol style="list-style-type: none"> <li>1) Added Ultra to the Tide ® detergent</li> <li>2) Added packaging review</li> <li>3) Added yarn size and product size to the initial testing package 4</li> <li>4) For formaldehyde test included “if positive/inconclusive proceed with step 2” also updated requirement for children to 20 ppm</li> <li>5) Updated the c/f to crocking requirement for pigment dyed/printed, etc. To dry grade 3.5</li> <li>6) Added pH testing to initial and additional colorway testing</li> <li>7) Attachment strength included, evaluate small parts</li> <li>8) Updated test method for Resistance to saliva to 64 LFGB B82.92-3 Part 1</li> <li>9) Updated test method for toxicology test</li> </ol>	Kristi Sachs/ Jan 2014

702-3	1) For packaging review added that artwork can be submitted as well as updated the product size to be if applicable 2) Updated Protocol header ; added Lounge Chair Covers to protocol	Kristi Sachs/ Sept 2014
702-4	1) Removed pricing from protocol	J. Deppisch/ Nov 2014
702-5	1) Added phthalates requirement for adults	J. Deppisch/ Dec 2014
702-6	1) Added Lead, Cadmium, and Phthalate testing for children	Charlene Swanson/July 2017
702-7	1) Updated Tide detergent to be correct 2) Updated formaldehyde to be up to date 3) Updated Phthalates testing	Charlene Swanson/January 2018
702-8	1) Updated pH value for white colorways 2) Updated children's age for formaldehyde 3) Updated flammability under Optional Testing - Children's Products having a child's appeal to be 16 CFR 1500.44 instead of 15 CFR 1500.44 4) Adding missing DIDP to Phthalates testing requirements 5) Adding Prop 65 testing	Charlene Swanson/February 2018
702-9	1) Updated pH value to be 5.0-8.0 (no tolerance) 2) Updated phthalates with Washington Law to include coating materials 3) Updated Soluble Heavy Metals to ASTM F 963-17	Charlene Swanson/October 2018
702-10	1) Updated Tracking Label to include Adult Tracking Label information	Jackie Deppisch/March 2019
702-11	1) Added Import Permit label requirement 2) Updated phthalates testing requirements for max and individual totals	Charlene Swanson/April 2019
702-12	1) Updated attachment strength requirements and added regulatory	Charlene Swanson/August
702-13	1) Updated Attachment strength for both performance and regulatory	Charlene Swanson/August 2019
702-14	1) Removed "all garments" from attachment strength and removed plastic hanger loop testing	Charlene Swanson/ September 2019
702-15	1) Added Tech Pack Verification	Charlene Swanson/ November
702-16	1) Updated Adult Tracking Label to REQUIREMENT	Jackie Deppisch/ March
702-17	1) Updated all applicable test methods to show only tier 1 & tier 2	September 2021/ B. Becker
702-18	1) Added test line for all performance claims	March 2022 / Becky Becker
702-19	Added flammability testing requirements for styles $\geq 2$ "	6/1/2022 Elizabeth Armstrong
702-20	Added testline Softlines Regulatory Supplemental Protocol	Violet Nelson Oct. 31, 2022
702-21	Removed year from ASTM F963 test	Violet Nelson / Feb 2024