

**Protocol 802-23**

**Kitchen Towels/Dish Cloths/Dish Towels**

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). **</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: <ul style="list-style-type: none"><li>• Distributor's name, trademark or other means of identification of the manufacturer or packer and address (City, State, Zip)</li><li>• Product identification</li><li>• Net quantity of the contents in terms of weight, measure or numerical count (metric &amp; US standard) or a combination so as to give accurate information and facilitate value comparison by the consumer (if applicable)</li><li>• Country of origin (if imported)</li><li>• Product size (if applicable)</li></ul> <b>Refer to Kohl's FPLA/UPLR guideline</b>
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  FTIR	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	Report Actual Data

Fabric Size	ASTM D 3776	Report Actual Data
Product Size	Kohl's TM-8	If claimed on packaging: Refer to applicable Minimum Construction Standard document (under TD tab) If not claimed on packaging: Report Actual
Yarn size	ASTM D 1059	± 5% max deviation from contracted yarn size
Fabric Weight	ASTM D 3776	±5% max (oz/sqyd) deviation from contracted weight
Product Weight	Kohl's TM-8	Report Actual Data (lbs/doz & lbs, ounces of 1 towel)
Flammability	ASTM D 1230	Class 1
<b>Performance Test</b>	<b>Test Method</b>	<b>Requirement</b>
<b>Analytical</b>		
Formaldehyde – Adults & children over 5T	Kohl's TM-5  JIS L 1041:2011 – Sec. 8.3.1 & 8.1.4 Method A or B	Negative, If Spot Test is Positive/inconclusive, proceed with step 2  Children over 5T & Adults = 75 ppm max.
Formaldehyde - Children's 0-5T	JIS L 1041:2011 – Sec. 8.3.1 & 8.1.4 Method A or B	Children's 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	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
<b>Dimensional Change</b>		
Dimensional Change to Laundering  (entire sample to be washed)	AATCC 150 (after 3 washes)  (Length x Width)  Tide ® Powder Detergent	<b>Tier 1</b>
		Waffle Weave: -10% max
		Flat Weave/Terry: -5% max
		**Dobby shrinkage : of towel ±1.5%
		All Growth: 2% max
		**For Dobby shrinkage: Report data. Pass and Fail only based on measurement of the towel length & width <b>Tier 2:</b> Use same requirements as Tier 1, evaluate after 3 and 5 washes or 1 dry clean cycle
Appearance Retention	AATCC/ASTM TS-008 Modified Tide ® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements
<b>Strength &amp; Durability</b>		
Tensile Strength	ASTM D 5034 (CRE/CRT Tensile Testing Machine)	<b>Tier 1:</b> 30 lbs min
		<b>Tier 2:</b> Use same requirements as Tier 1, evaluate original state & after 5 washes or 1 dry clean
Surface Water Absorbency  <i>Face and back to be tested, not trim</i>	ASTM D 4772 (Use Alternate Sample Prep Procedure; section 8.2 & perform A/3 laundering cycles)	<b>Tier 1 &amp; 2</b>
		Terry/Microfiber: 40% min
		Sheared Loop (velour): 30% min
Surface Water Absorbency (flat woven/plain weave/non-terry side)  <i>Face and back to be tested, not trim</i>	AATCC 79	<b>Tier 1 &amp; 2</b> Flat Wovens / Plain Weave / Non-Terry: <10 seconds
<b>Colorfastness</b>		

Colorfastness to Chlorine Bleach AND Non-chlorine Bleach	AATCC/ASTM TS-001	Shade Change Grade 4 min.	
Colorfastness to Water	AATCC 107	Shade Change	Grade 4 min.
		Self-Staining	Grade 4 min.
		Staining	Grade 4 min.
Colorfastness to Crocking	AATCC 8/116	All fabrics/dyes (except listed below): Dry - Grade 4 min Wet - Grade 3 min	
		<u>Pigment Dyed/Printed, Direct Dye, Vat Dye, Sulfur, Lightly Brushed, Piled, Indigo:</u> Dry - Grade 3.5 min Wet - Grade 2 min	
<b>ADDITIONAL COLORWAY TESTING</b>			
Flammability	ASTM D 1230	Class 1	
Formaldehyde - Adults & Children over 5T	Kohl's TM-5	Negative, If Spot Test is Positive/inconclusive, proceed with step 2	
	JIS L 1041:2011 – Sec. 8.3.1 & 8.4.1 Method A or B	Children <u>over 5T</u> & Adults = 75 ppm max.	
Formaldehyde - Children's 0-5T	JIS L 1041:2011 – Sec. 8.3.1 & 8.4.1 Method A or B	Children's 0-5T = 20 ppm max.	
pH Value	AATCC 81	All colorways: 5.0-8.0 (No Tolerance)	
Surface Water Absorbency <i>Face and back to be tested, not trim</i>	ASTM D 4772 (Use Alternate Sample Prep Procedure; section 8.2 & perform A/3 laundering cycles)	<b>Tier 1 &amp; 2</b>	
		Terry/Microfiber:	40% min
		Sheared Loop (velour):	30% min
Surface Water Absorbency (flat woven/plain weave/non-terry side) <i>Face and back to be tested, not trim</i>	AATCC 79	<b>Tier 1 &amp; 2</b> Flat Wovens / Plain Weave / Non-Terry: <10 seconds	
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	All fabrics/dyes (except listed below): Dry - Grade 4 min Wet - Grade 3 min	
		<u>Pigment Dyed/Printed, Direct Dye, Vat Dye, Sulfur, Lightly Brushed, Piled, Indigo:</u> Dry - Grade 3.5 min Wet - Grade 2 min	
Colorfastness to Water	AATCC 107	Shade Change	Grade 4 min.
		Self-Staining	Grade 4 min.
		Staining	Grade 4 min.
<b>OPTIONAL TESTING – Required where applicable at additional cost</b>			

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)	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: 5 lbs. for 10 seconds minimum
Appearance Retention – Extended Wash	ASTM/AATCC TS-008 Tide® Powder Detergent	Must meet all applicable Kohl's Durability Evaluation Requirements
Sharp Points & Sharp Edges*	CPSC 16 CFR 1500.48 - 49	No sharp points or sharp edges – Refer to Product Safety Policy
<b>OPTIONAL TESTING – TOXICOLOGY TESTING (Required where applicable at additional cost)</b>		
Lead Content in Surface Coating – Scrapeable in each color *	CPSC-CH-E1003-09.1	Children & Adult Products <90 ppm (0.009% total weight)
Total Lead in Substrate Material *	CPSC-CH-E1002-08.3/ CPSC-CH-E1001-08.3	Children's 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-C1001.09.3	<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								
		<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>materials</td> </tr> </tbody> </table>	Substances	Suggested materials	Lead	Follow CPSC lead	Cadmium	Follow CPSC lead	Phthalates	materials
		Substances	Suggested materials							
		Lead	Follow CPSC lead							
Cadmium	Follow CPSC lead									
Phthalates	materials									
The Washington standard cannot be enforced for products to which a federal standard applies.										
(*) asterisk = ALL COLORWAYS MUST BE TESTED										

<b>Minimum Sample Size Necessary for Testing</b>  Recommended Size - Medium  <u>Initial Package</u> 13 finished products  <u>Additional Colorways</u> 9 Finished products  <u>Toxicology Testing</u> Consult with Testing Lab for the number of samples	<b>Pricing</b> Please refer to Kohl's preferred third party labs for individual pricing.  Turn Around Time = 4-5 working days Toxicology Testing = 6 working days
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PROTOCOL REVISION	DESCRIPTION OF CHANGE	DATE REVISION/ APPROVED BY
802-1	1. Label review – added 16 CFR 300/ 19 CFR 134 and verify information on TRF matches the label 2. Added tracking label 3. Updated test method for Product weight to Kohl's TM-8 4. Formaldehyde Spot Test – Method changed from Intertek USA #416 to Kohl's TM-5. 5. Tensile strength – added CRT/CRE Tensile Testing Machine 6. Lead Surface Coating – Corrected method from 16 CFR 1303 to CPSC-CH-E1003-09. Also, added requirement for Adult products. 7. Lead Substrate – Corrected method from EPA 3050B or EPA 3051 to CPSC-CH-E1002-08/CPSC-CH-E1001-08. 8. Phthalates – Corrected method from ASTM D3421 to CPSC-CH-C1001.09.2. 9. Heavy Metals – Corrected method from ASTM F 963-07 to ASTM F 963-08.	August 2011/Amy Her

802-2	<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</li> <li>4) For product weight added requirement of reporting the weight in lbs, ounces of 1 towel</li> <li>5) For formaldehyde test included “if positive/inconclusive proceed with step 2” also updated requirement for children to 20 ppm</li> <li>6) Updated testing requirements for dimensional stability, tensile strength and surface water absorbency to include requirements for tier 1, tier 2 &amp; tier 3</li> <li>7) For surface water absorbency added the statement “Face and back to be tested, not trim”</li> <li>8) Updated the c/f to crocking requirement for pigment dyed/printed, etc. To dry grade 3.5</li> <li>9) Added pH testing to initial and additional colorway testing</li> <li>10) Added tensile strength to the additional colorway package for tier 1.</li> <li>11) Added fragile trim requirement to attachment strength for tier 1, tier 2 &amp; tier 3</li> <li>12) Updated test method for toxicology tests</li> </ol>	January 2014/Kristi Sachs
802-3	<ol style="list-style-type: none"> <li>1. For packaging review added that artwork can be submitted as well as updated the product size to be if applicable</li> <li>2. Updated Tier 2/3 testing requirements for dimensional change and tensile strength</li> <li>3. Removed strength test from additional colorway testing</li> <li>4. For additional colorway testing removed “Only for Tier 1 brands”</li> <li>5. Under Physical Properties: Added Fabric Weight test</li> </ol>	August 2014/ Kristi Sachs
802-4	<ol style="list-style-type: none"> <li>1. Removed pricing from protocol</li> </ol>	October 2014/ Elaine Smaczniak
802-5	<ol style="list-style-type: none"> <li>1. Added phthalates requirement for adults</li> </ol>	December 2014/ Jackie Deppisch
802-6	<ol style="list-style-type: none"> <li>1. Updated product size to include Tech Design’s Minimum Construction Standard tolerances</li> </ol>	September 2015/ Jackie Deppisch
802-7	<ol style="list-style-type: none"> <li>1. Updated format</li> <li>2. Update pH value to include whites and all other colorways</li> <li>3. Added Lead, Cadmium, and Phthalate testing for children</li> </ol>	August 2017/Charlene Swanson
802-8	<ol style="list-style-type: none"> <li>1. Updated formaldehyde test to be most current</li> <li>2. Updated children's age for formaldehyde testing</li> <li>3. Updated Tide detergent to be correct name</li> <li>4. Updated phthalate requirements</li> <li>5. Added Prop 65 testing</li> </ol>	February 2018/Charlene Swanson
802-9	<ol style="list-style-type: none"> <li>1. Updated pH value to be 5.0-8.0 (no tolerance)</li> <li>2. Updated phthalates with Washington Law to include coated materials</li> <li>3. Updated Soluble Heavy Metals to ASTM F 963-17</li> </ol>	October 2018/Charlene Swanson
802-10	<ol style="list-style-type: none"> <li>1. Updated Tracking Label to include Adult Tracking Label requirements</li> </ol>	March 2019/Jackie Deppisch
802-11	<ol style="list-style-type: none"> <li>1. Updated Adult Tracking Label to be marked as DATA ONLY</li> </ol>	March 2019/Jackie Deppisch
802-12	<ol style="list-style-type: none"> <li>1. Updated phthalates requirements for max and individual totals</li> </ol>	May 2019/Charlene Swanson
802-13	<ol style="list-style-type: none"> <li>1. Updated Total Lead in Substrate Material to have requirements</li> </ol>	June 2019/Charlene Swanson

802-14	1. Updated attachment strength requirements and added regulatory for ages 0-5T	August 2019/Charlene Swanson
802-15	1. Updated Attachment strength for both performance and regulatory	August 2019/Charlene Swanson
802-16	1. Updated Attachment strength requirements to be more applicable towards kitchen towels/dish cloths/dish towels	September 2019/Charlene Swanson
802-17	1. Updated Dobby Shrinkage requirements for Dimensional Stability	October 2019/Charlene Swanson
802-18	1. Updated Adult Tracking Label to be REQUIRED	March 2020/ Jackie Deppisch
802-19	1. Updated Tiering requirements 2. Updated email address for adult tracking label information	August 2021/Charlene Swanson
802-20	1) Added test line for all performance claims	March 2022 / Becky Becker
802-21	1) Added testline Softlines Regulatory Supplemental Protocol	Violet Nelson Oct. 31, 2022
802-22	1) Updated test lines for Surface Water Absorbency 2) Updated the email address for Adult Tracking label	October 2023/Charlene Swanson
802-23	1) Removed year from ASTM F963 test	Violet Nelson / Feb 2024