

**Protocol 808-2**

**Aprons - Adult & Children**

*In addition to this protocol, any product designed for, intended for or appealing primarily to children, requires additional testing per Kohl's Testing Protocol #601.*

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. 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
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>Physical Properties</b>		
Fiber Content	AATCC 20/ 20A	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 3887, ASTM D 3775 AATCC/ASTM TS-002	Report Actual Data

Fabric Weight	ASTM D 3776	±5% max. deviation from contracted weight. (ounces/sqyd)	
Product Size	Kohl's TM-8	If claimed on packaging: Refer to applicable Minimum Construction Standard doc (under TD tab) for tolerances, OR if not listed in Min Construction Standards: +3% max -0% max  If not claimed on packaging: Report Actual	
Yarn size	ASTM D 1059	± 5% max deviation from contracted yarn size	
Flammability	16 CFR 1610	Class 1 Test non-exempt fabrics must be tested in every color Pass	
Flammability of Vinyl Textiles (if applicable)	16 CFR 1611	Shall not exceed 1.2 inches/second of average rate of burning	
<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. 8.1.3 & 8.1.4 Method A or B	Negative, If Spot Test is Positive/inconclusive, proceed with step 2  Children <b>over 5T</b> & Adults = 75 ppm max.	
Formaldehyde - Children's 0-5T	JIS L 1041:2011 – Sec.8.1.3 & 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	
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	
Monofilament Thread (applicable to children's products only)	Visual	No monofilament thread allowed	
Fragile Trims	Visual	Sizes 0-5T: Must comply with Kohl's Safety Requirement Sizes over 5T & Adult: Report Actual Findings	
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	
<b>Dimensional Change</b>			
Dimensional Change to Laundering	AATCC 150 (after 3 washes)  (Length x Width)  Tide® Powder Detergent	±5% max	
Appearance Retention	AATCC/ASTM TS-008 Modified Tide® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements	
<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	<u>All fabrics/dyes (except listed below):</u> 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>Strength &amp; Durability</b>			
Seam Strength / Slippage (wovens)	ASTM D 1683  Modified: Expanded the scope to part of the apparel	Wovens	20 lbs/sq inch min
		Knits	30 lbs/sq inch min
		Tie	20 lbs/sq inch min
Bursting Strength (knits)	ASTM D 3786 lbs/sq.in (min)		Tier 1
		< /= 4 oz/ sq yd	30
		> 4 oz/ sq yd	40
		> 12 oz/ sq yd	50
		Lace, mesh etc	15
			Tier 2
		< /= 4 oz/ sq yd	40
		> 4 oz/ sq yd	50
		> 12 oz/ sq yd Lace, mesh etc	60 15
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: 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	
Tear Strength (wovens)	ASTM D 1424 lbs. (min)		Tier 1
		< /= 3.0 oz/sq yd	1.5x1.0
		3.1 to 6 oz sq /yd	2.0x1.5
		6.1 to 9 oz/sq yd	2.5x2.0
		>9oz/ sq yd	3.5 x 3.0
			Tier 2
		< /= 3.0 oz/sq yd	2.0 x 1.5
		3.1 to 6 oz sq /yd	2.5x2.0
		6.1 to 9 oz/sq yd >9oz/ sq yd	3.0x2.0 3.5 x 3.0
Tensile Strength (wovens)	ASTM D 5034 lbs. (min)		Tier 1
		< /= 3.0 oz/sq yd	20 x 15
		3.1 to 6 oz sq /yd	25x20
		6.1 to 9 oz/sq yd	40 x35
		>9oz/ sq yd	60x40
			Tier 2
		< /= 3.0 oz/sq yd 3.1 to 6 oz sq /yd	20x20 30x25

		6.1 to 9 oz/sq yd	45 x 40
		>9oz/ sq yd	75 x 50
<b>ADDITIONAL COLORWAY TESTING</b>			
Flammability	16 CFR 1610	Class 1 Test non-exempt fabrics must be tested in every color Pass	
Flammability of Vinyl Textiles (if applicable)	16 CFR 1611	Shall not exceed 1.2 inches/second of average rate of burning	
Formaldehyde - Adults & Children over 5T	Kohl's TM-5  JIS L 1041:2011 – Sec. 8.1.3 & 8.1.3 Method A or B	Negative, If Spot Test is Positive/inconclusive, proceed with step 2  Children <b>over 5T</b> & Adults = 75 ppm max.	
Formaldehyde - Children's 0-5T	JIS L 1041:2011 – Sec. 8.1.3 & 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)	
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> 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>REQUIRED WHERE APPLICABLE AT ADDITIONAL COST</b>			
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	
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)	64LFGB B 82.92-3, Part 1	Staining : Grade 4.5 min. Color Change: Grade 4.5 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	All Decorative (3 or more parts) Zipper Pulls must meet 4.0 in./lbs. minimum	
Nickel Content – as per Kohl's safety policy	Kohl's TM-18	Negative	
Magnetic Closures (if applicable)	Refer to Protocol 502	All samples shall be reviewed against the requirements of Supplemental Magnetic Closure protocol.	
Torque Tests for Removal of Components	ASTM F963 (Table 5)	16 CFR 1500. No safety hazards	

Tensions Tests for Removal of Components	ASTM F963 (Table 5)	16 CFR 1500. No safety hazards
Apron Ties (Neck Area) - Tie with Free Ends (Children's of ALL ages)	Actual Measurement	Sizes 0 to 5T: Not Permitted  Sizes 4-20: Permitted; Each strap length cannot be longer than 7 inches from point of attachment to the garment.
Apron Ties (Neck Area)- Hook and Loop Closures (Children's of ALL ages)	Actual Measurement	Sizes 0 to 5T: Permitted; Must pass all use and abuse testing, rounded edges, all sides stitched down  Sizes 4-20: Permitted; Must pass all use and abuse testing, rounded edges, all sides stitched down
Waist - Ties	Actual Measurement	Sizes 0-18 months: Not Permitted  Sizes 18 months to 5T: Permitted; Max Length = Intended waist circumference + 7 inches max length; belt loops may be added to prevent ties from hanging below the requirement  Sizes 4-7x: Permitted; Max Length = Intended waist circumference + 14 inches; belt loops may be added to prevent ties from hanging below the requirement  Sizes 7-8: Permitted; Max Length = Intended waist circumference + 16 inches; belt loops may be added to prevent ties from hanging below the requirement  Sizes 10-12: Permitted; Max Length = Intended circumference + 18 inches; Belt loops may be added to prevent ties from hanging below the requirement  Sizes 14-16: Permitted; Max Length = Intended waist circumference + 20 inches; Belt loops may be added to prevent ties from hanging below the requirement
<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 accessible materials. <table border="1" data-bbox="740 695 1487 831"> <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										
<b>(*) asterisk = ALL COLORWAYS MUST BE TESTED</b>											
<u><b>Minimum Sample Size Necessary for Testing</b></u>  <u><b>Initial Package</b></u> Aprons = 8 finished products  <u><b>Additional Colorways</b></u> Aprons = 6 finished products  <u><b>Toxicology Testing</b></u> Consult with Testing Lab for the number of samples  Additional samples may be needed for items that contain two care instructions, i.e. "For Best Results, Dry Clean". Please consult with testing lab for the number of samples.		<u><b>Pricing</b></u> 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 REVISION</b>	<b>DESCRIPTION OF CHANGE</b>		<b>DATE REVISION/ APPROVED BY</b>								
808-1	1) Initial Launch		December 2023/Charlene Swanson								
808-2	Removed year from ASTM F963 test		Violet Nelson / Feb 2024								