

Protocol 905-24

Window, Door, & Wall Treatments

Performance Test	Test Method	Requirement
Initial Package		
Label Verification		
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	Verify Information on TRF matches the label 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: Children's product: ALL ages	Consumer Product Safety Improvement Act of 2008 (CPSIA) SEC. 103	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: <i>**If space limitations exist, contact Kohl's Quality Assurance & Product Integrity teams to discuss minimum required information (MR.QA.Pl@kohls.com).**</i>	Kohl's Requirement	TO BE MARKED AS PASS/FAIL Can be included on packaging when necessary: 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"> • 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) Refer to Kohl's FPLA/UPLR guideline
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: https://www.aphis.usda.gov/wps/portal/aphis/home/ 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
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.
Physical Properties		

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	
Fabric Weight	ASTM D 3776	Report Actual Data (oz/sq yd)	
Count	ASTM D 3775 / ASTM 3887 / AATCC/ASTM TS-002	Report Actual Data	
Product Size	Kohl's TM-8	If claimed on packaging: Refer to Minimum Construction Standards (under TD tab) for tolerances If not claimed on packaging: Report Actual *If multiple sizes are listed and/or received, each size should be tested.	
Yarn size	ASTM D 1059	± 5% max deviation from contracted yarn size	
Flammability	ASTM D 1230	Class 1	
Performance Test	Test Method	Requirement	
Analytical			
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 over 5T & 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.	
CA Prop 65* (if applicable)	Refer to protocol 1300	All samples shall be reviewed against the requirements of California Prop 65	
pH value	AATCC 81	All colorways: 5.0-8.0 (No Tolerance)	
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	
Dimensional Change			
Dimensional Change to Home Laundering, Dry Cleaning or Hand Wash	AATCC 150 (3 washes)/ AATCC 158 (1 cycle) AATCC/ASTM TS-006	All fabrics (except listed below)	-3% max
		Growth	+2% max
		Dry Cleaning	±2% max
Appearance Retention	AATCC/ASTM TS-008 Modified Tide® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements	
Colorfastness			
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	

Colorfastness to Light	AATCC 16 Option 3 40 AFU	All Colors (except listed below): Shade Change: 40 AFU: Grade 4.0 min. Neons/Brights/Whites/Pastels: Shade Change: 40 AFU: Grade 3.5 min.	
Strength & Durability			
Tensile Strength (wovens only)	ASTM D 5034 (CRT/CRE Tensile Testing Machine)		Tier 1
		≤ 4.0 oz/sq yd	25 lbs min
		> 4.0 to ≤ 8.0 oz/sq yd	35 lbs min
		> 8.0 oz/sq yd	45 lbs min
		Tier 2: Use same requirements as Tier 1, evaluate original state & after 5 washes or 1 dry clean	
Tear Strength (wovens only)	ASTM D 1424 (Elmendorf)		Tier 1
		≤ 4.0 oz/sq yd	2 lbs min
		> 4.0 to ≤ 8.0 oz/sq yd	2.5 lbs min
		> 8.0 oz/sq yd	3 lbs min
		Tier 2: Use same requirements as Tier 1, evaluate original state & after 5 washes or 1 dry clean	
Performance Test	Test Method	Requirement	
Strength & Durability			
Seam Slippage/Seam Strength (wovens only)	ASTM D 1683	All seams and seam slippage:	Tier 1
			25 lbs
		Tier 2: Use same requirements as Tier 1, evaluate original state & after 5 washes or 1 dry clean	
Bursting Strength (knits only)	ASTM D 3786		Tier 1
		Fabric	40 lbs./sq. inch
		Seams	30 lbs./sq. inch
		Tier 2: Use same requirements as Tier 1, evaluate original state & after 5 washes or 1 dry clean	
Attachment Strength* for grommets/rings/sliders only	ASTM D1683	15 lbs min. for 10 seconds	
Attachment Strength* A) Applies to Buttons, Snaps, Small Parts, Belt Loops, Zipper Tab, etc. B) Over 5T-Adult: Fragile Trims: Beads, Rhinestones, etc	16 CFR 1500.51-53 Pt. F (Saf Q)	A) REQUIREMENT: Over 5T - Adult: No detachment at 17 lbs. for 10 seconds <u>Exceptions:</u> Buttons: 20lbs DATA ONLY: Report the point at which the trim fails, or if there is no detachment at 50 lbs. B) REQUIREMENT: 5 lbs. for 10 seconds minimum	
ADDITIONAL COLORWAY TESTING			
Flammability	ASTM D1230	Class 1	
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	
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. 8.1.3 & 8.1.4 Method A or B	Children over 5T & Adults = 75 ppm max. Children's 0-5T = 20 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.	
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.
Colorfastness to Light	AATCC 16 (option 3) 20 AFU	Color Change Grade 3.5 min.
Performance Test	Test Method	Requirement
OPTIONAL TESTING – Required where applicable at additional cost		
Effects of Extreme Temperature/Humidity*	Kohl's TM-30	24 hours at 0°F (-18°C) and 24 hours at 95% RH/120°F (49°). No failure.
Sharp Points & Sharp Edges*	CPSC 16 CFR 1500.48 - 49	No sharp points or sharp edges – Refer to Product Safety Policy
Corrosion Resistance (metal only)	Kohl's TM-6 Option A	No corrosive oxidation or discoloration
Resistance to Saliva (Children's Products Only)*	64 LFGB B82.92-3 Part 1	Color Change: Grade 4 min Staining Grade: 4 min
Light Blocking Effect of Curtain Materials*	AATCC 203	Blackout Claim: 100%-98% min. Room Darkening Claim: 97.9%-93% min. Light Filtering Claim: 92.9%-50% min. Percentage Listed on Packaging: Must meet percentage claimed
OPTIONAL TESTING – TOXICOLOGY TESTING (Required where applicable at additional cost)		
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	Applies to ALL Children's Products ≤ 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 ALL Adult products ≤ 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.	
		Substances	Suggested materials
		Lead	Follow CPSC lead
		Cadmium	Follow CPSC lead
		Phthalates	Coating & Plasticized materials
The Washington standard cannot be enforced for products to which a federal standard applies.			

(*) asterisk = ALL COLORWAYS MUST BE TESTED

Minimum Sample Size Necessary for Testing Initial Package = 4 finished products Additional Colorways = 3 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
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PROTOCOL REVISION	DESCRIPTION OF CHANGE	DATE REVISION/
905-1	1) Label Review – Added 16 CFR 300, 19 CFR 134. Lab is required to verify information on TRF and match to label submission. 2) Added Tracking Label Review on Children’s Products. 3) Flammability – Standard and requirement changed to NFPA 701 from ASTM D1230. 4) Formaldehyde Spot Test – Method changed from Intertek USA #416 to Kohl’s TM-5. 5) C/f to Light – Changed requirement from 10 & 20 hours to 40 hours. 6) Tensile Strength – Added CRT Tensile testing machine. 7) Bursting Strength – Corrected unit to square inch. 8) Added Light Blocking Test. 9) Corrosion Resistance Test – Method changed from Intertek USA #442 to Kohl’s TM-6. 10) Lead Surface Coating – Corrected method from 16 CFR 1303 to CPSC-CH-E1003-09. Also, added requirement for Adult products. 11) Lead Substrate – Corrected method from EPA 3050B or EPA 3051 to CPSC-CH-E1002-08/CPSC-CH-E1001-08. 12) Phthalates – Corrected method from ASTM D3421 to CPSC-CH-C1001.09.2. 13) Heavy Metals – Corrected method from ASTM F 963-07 to ASTM F 963-08. 14) Resistance to Saliva – Changed method from 35 LMBG 82.10 to 64 LFGB 82.10-1.	August 2011/Amy Her
905-2	1) Flammability – Standard and requirements changed back to ASTM D 1230, Class 1 due to miscommunication.	September 2011/Amy Her
905-3	1) Light Blocking Test – updated standard to Kohl's TM-23	May 2012/Devon Engel

905-4	<ul style="list-style-type: none"> 1) Added Ultra to the Tide ® detergent 2) Added packaging review 3) Added yarn size and product size to the initial testing package 4) For formaldehyde test included "if positive/inconclusive proceed with step 2" also updated requirement for children to 20 ppm 5) Updated testing requirements for dimensional stability, tensile strength, tear strength, seam strength/slippage and bursting strength to include requirements for tier 1, tier 2 & tier 3 6) Updated the c/f to crocking requirement for pigment dyed/printed, etc. To dry grade 3.5 7) Added fragile trim requirement to attachment strength for tier 1, tier 2 and tier 3 8) Added pH testing to initial and additional colorway testing 9) Added tensile strength, tear strength, seam strength/slippage and bursting strength to the additional colorway package for silver brands. 10) Updated test method for Resistance to saliva to 64 LFGB B82.92-3 Part 1 11) Updated test method for toxicology tests 	January 2014/Kristi Sachs
905-5	<ul style="list-style-type: none"> 1) For packaging review added that artwork can be submitted as well as updated the product size to be if applicable 2) Updated Tier 2/3 testing requirements for tensile strength, tear strength, seam strength and bursting strength 3) Removed strength tests from additional colorway testing 4) For additional colorway testing removed "Only for Tier 1 brands" 	September 2014/Jackie Deppisch
905-6	<ul style="list-style-type: none"> 1) Removed pricing from protocols 	November 2014/ Elaine Smaczniak
905-7	<ul style="list-style-type: none"> 1) Added phthalates requirement for adults 	December 2014/Jackie Deppisch
905-8	<ul style="list-style-type: none"> 1) Updated product size to include Tech Design's Minimum Construction Standard tolerances 	Sept 2015/Jackie Deppisch
PROTOCOL REVISION	DESCRIPTION OF CHANGE	DATE REVISION/
905-9	<ul style="list-style-type: none"> 1) Added Prop 65 testing 2) Updated formaldehyde testing for children 3) Updated formaldehyde testing to be most current 4) Updated Tide detergent to be correct 5) Updated phthalates testing 6) Updated format 7) Added Lead, Cadmium, and Phthalates testing for children 	March 2018/Charlene Swanson
905-10	<ul style="list-style-type: none"> 1) Updated pH value to be 5.0-8.0 (no tolerance) 2) Updated Soluble Heavy Metals to ASTM F 963-17 3) Updated phthalates in Washington State Law to include coated materials 	October 2018/Charlene Swanson
905-11	<ul style="list-style-type: none"> 1) Added Product Size back to physical properties for testing 	January 2019/Charlene Swanson
905-12	<ul style="list-style-type: none"> 1) Updated Tracking Label to include Adult Tracking Label requirements 	March 2019/Jackie Deppisch
905-13	<ul style="list-style-type: none"> 1) Updated Adult Tracking Label to be marked as DATA ONLY 	March 2019/Jackie Deppisch
905-14	<ul style="list-style-type: none"> 1) Added Import Permit label requirement 2) Updated phthalates testing requirements for max and individual totals 	April 2019/Charlene Swanson
905-15	<ul style="list-style-type: none"> 1) Updated attachment strength requirements and added regulatory testing for ages 0-5T 	August 2019/Charlene Swanson
905-16	<ul style="list-style-type: none"> 1) Updated attachment strength requirements and regulatory testing for ages 0-5T 	August 2019/Becky Becker
905-17	<ul style="list-style-type: none"> 1) Removed "all garments" from attachment strength requirements 2) Added Effects of Extreme Temperature/Humidity testing 3) Removed plastic hanger loops from attachment strength requirements 4) Added "Door" to title of protocol for applicable products 	September 2019/Charlene Swanson

905-18	1) Updated attachment strength requirements 2) Updated adult tracking label to be pass/fail	February 2020/Charlene Swanson
905-19	1) Updated actual section of adult tracking label	March 2020/Charlene Swanson
905-20	1) Updated Light Blocking test method for curtains 2) Updated email for adult tracking label	June 2021/Charlene Swanson
905-21	1) Updated tiering requirements, removed Tier 3	August 2021/Charlene Swanson
905-22	1) Added test line for all performance claims	March 2022 / Becky Becker
905-23	1) Added test line for regulatory supplemental softlines protocol	November 2022/Charlene Swanson
905-24	Removed year from ASTM F963 test	Violet Nelson / Feb 2024