

**301-12**

**Fasteners**

**(Snaps/Hasps & Sliders/Ring & Sliders/Hook & Eyes/Burrs & Rivets/Grommets/Suspender Clips/D-Rings/Tack Buttons & Shank Buttons, etc.)**

PERFORMANCE	TEST METHOD	REQUIREMENT
<b>INITIAL PACKAGE / FULL PACKAGE</b>		
<b>Physical Properties</b>		
Sharp Points/Sharp Edges	CPSC 16 CFR 1500.48-49	No sharp points or sharp edges - Refer to Product Safety Policy
<b>Appearance Retention</b>		
Appearance Retention after Laundering and Dry Cleaning	AATCC/ASTM TS-008 Modified Ultra Tide® Powder Detergent	No noticeable loss of color or coating No cracking or peeling  Color Change: Grade 4 min. Staining: Grade 3 min.
<b>Strength &amp; Durability</b>		
Attachment Strength Pull Test	16 CFR 1500.51-53 Pt. F modified (Saf Q)	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.
Thickness In Mills (Leather)	ASTM D1813	As claimed/as measured (± 10% max.)
<b>Analytical-REQUIRED WHERE APPLICABLE AT ADDITIONAL COST</b>		
Corrosion Resistance	Kohl's TM-6 Option A	No corrosive oxidation or discoloration
Formaldehyde	Kohl's TM-5  JIS L 1041:2011 Sec. 8.1.3 & 8.1.4 Method B	Negative, If Spot Test is Positive, proceed with step 2
		Children <u>over</u> 5T & Adults = 75 ppm max. Children's 0-5T = 20 ppm max.
Nickel Content	Kohl's TM-18	Negative
<b>ADDITIONAL COLORWAY TESTING</b>		
Appearance Retention after Laundering and Dry Cleaning	AATCC/ASTM TS-008 Modified Tide® Powder Detergent	No noticeable loss of color or coating No cracking or peeling
Corrosion Resistance	Kohl's TM-6 Option A	No corrosive oxidation or discoloration
Nickel Content	Kohl's TM-18	Negative
<b>REQUIRED WHERE APPLICABLE AT ADDITIONAL COST</b>		
Wire Diameter (Hasps/Suspender Clips/D-Rings Only)	Using caliper, measure outside diameter of wire in a "straight" area of the hasp/suspender clip or d-ring	Record actual measurement
Cap Thickness (Hasps Only)	Using caliper, measure the thickness of the cap at the top of the hasp	Record actual measurement
Unsnapping Force (All Snap Buttons, All Size Ranges) (seperation of male/female)	ASTM D4846	Resistance to Unsnap/Snap = 1.5 min. - 8 lbs. max. Lateral Holding Force = 2 lbs. min.
Unclasping Force/Holding Strength of the Prong	ASTM D7142, Option 2 (SAFQ)  Note: Clamp the hook and eye part of clasp close to the clamps, so the force applied directly falls on the trim. To best possible extent, exclude fabric/strap material in the test area.	<u>Report</u> : Force require to unclasp the hook and eye part of the clasp in pounds.  Original State: 1.5 lbs min. After 150 manual clasp/ unclasps: 1.5 lbs min.
Hook & Eye Testing (where applicable)	ASTM D1683	1 closure: 25 lbs 2 closures or more: 35 lbs
Lateral Pull & Vertical Pull Strength	Kohl's TM-21	Hasps/Suspender Clips/D-Rings Only Record all readings. Report highest / lowest

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  ≤ 90ppm (0.009% by weight)  Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing								
Total Lead in Substrate Material*	CPSC-CH-E1002-08.1/ CPSC-CH-E1001-08.1	Children's of ALL ages & Adult products  ≤90 ppm (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, DNOP, DIDP 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-CH-C1001-09.4	Washington Children's Safe Products Act  ≤ 90 ppm (Lead) ≤ 40 ppm (Cadmium) ≤ 0.1% (BBP, DBP, DEHP, DIDP, DINP, DNOP, DnHP, DIBP, DnPP, 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

\*\*\* ALL COMPONENTS MUST BE TESTED FOR TOXICOLOGY\*\*\*

Basic Submission – An individual fastener product. The basic submission may contain multiple finishes for the given style. If the product is a SNAP, the basic submission contains a small, medium, and large size in order that the entire range is represented.

**Minimum Sample Size Necessary for Testing**

Initial Package:

**Children's Coated:** 40 pieces on fabric, 150 loose components

**Children's Uncoated:** 40 pieces on fabric, 30 loose components

**Adults:** 40 pieces on fabric, 30 loose components

Additional Colorway:

**Children's Coated:** 20 pieces on fabric, 150 loose components

**Adults:** 20 pieces on fabric

Toxicology Testing

Consult with approved lab for the number of samples

Supplier is to select appropriate number of fabric layers based on end use application.

**\*\*Please refer to Kohl's preferred third party labs for individual and optional testing pricing**

Turn Around Time = 6 working days

PROTOCOL VERSION	DESCRIPTION OF CHANGE	DATE REVISION / APPROVED BY
301-1	<ol style="list-style-type: none"> <li>1. Corrosion Resistance Test – Changed test method option to Option A</li> <li>2. Tab Twist Off &amp; Tab Pull Off Test for Suspender Clips – REMOVED</li> <li>3. Attachment Strength Test – Changed equipment to Safe Q.</li> <li>4. Lead Content for Scrapable Surfaces – Changed requirement from 600 ppm to 90 ppm.</li> <li>5. Added – Lead Content Total Substrate, Heavy Metal Content and Phthalate test for children's products</li> <li>6. Appearance Retention – Changed test method to AATCC/ASTM TS-008 Modified.</li> <li>7. Added – Lateral Holding Force to Snap button Testing.</li> </ol>	Nov. 2008/Ro Jain
301-2	<ol style="list-style-type: none"> <li>1. Modified – Number of test samples needed</li> <li>2. Resistance to Unsnap/Snap Button Test – <ul style="list-style-type: none"> <li>o Changed to 1.5 min. from 2.0 lbs. min.</li> <li>o Lateral Holding Force = changed to 2 lbs. min. from 2-8 lbs. max.</li> </ul> </li> <li>3. Lead Content in Surface coating – Updated test method to CPSC-CH-E1003-09</li> <li>4. Lead in Substrate – Updated test method to CPSC-CH-E1002/CPSC-CH-E1001-08 and requirement &lt;100 ppm from spring 2011</li> <li>5. Phthalates – Updated test method to CPSC-CH-C1001.09.2, added DNHP and applies to all children's products</li> </ol>	Nov. 2009/Ro Jain
301-3	<ol style="list-style-type: none"> <li>1. KAR Test – Added "Ultra" to Tide Detergent.</li> <li>2. Corrosion Resistance – Changed test method from Intertek Method USA 442 Modified-Option A to Kohl's TM-6.</li> <li>3. Nickel Content – Changed test method from Intertek Method USA 443 to Kohl's TM-18.</li> <li>4. Lateral Pull &amp; Vertical Pull Strength – Changed test method from Intertek Method USA 444 to Kohl's TM-21.</li> <li>5. Added Nickel Content &amp; Corrosion Resistance Test to Additional Colorway Pkg.</li> <li>6. Lead in Surface Coating – Updated method to CPSC-CH-E1003-09.1. Added Adult requirement, &lt;90ppm.</li> <li>7. Total Lead Substrate – Updated method to CPSC-CH-E1002-08.1/CPSC-CH-E1001-008.1.</li> <li>8. Phthalates – Updated method to CPSC-CH-C1001-09.3. Added Adult requirement, &lt;1000 ppm.</li> <li>9. Heavy Metals – Updated method to ASTM F963-08.</li> </ol>	Nov. 2011/Amy Her
301-4	<ol style="list-style-type: none"> <li>1. Lead in Substrate test – Starting Spring 2013, test is required on Adult products.</li> <li>2. Toxicology tests required on both Children &amp; Adult products.</li> </ol>	Sept. 2012 / Vinoth Deenadayalan
301-5	<ol style="list-style-type: none"> <li>1. Removed "starting spring 2013" statement</li> <li>2. Added "coatings shall be tested" statement to the Phthalates test</li> <li>3. Heavy Metals – updated test method to ASTM F963-11</li> </ol>	March 2013 / Devon Engel
301-6	<ol style="list-style-type: none"> <li>1. Removed pricing for testing/took out Intertek/added approved lab statement</li> </ol>	October 6th 2014/Nov. 31 2014/ Leah Gross-Hutchison
301-7	<ol style="list-style-type: none"> <li>1. Added Formaldehyde testing</li> </ol>	December 3rd, 2014/ Michelle Zydek
301-8	<ol style="list-style-type: none"> <li>1. Added ASTM D7142, Option 2 (SAFQ) - Unclasp Force</li> <li>2. Added phthlate chemicals</li> <li>3. Updated Soluable Heavy Metals version number</li> </ol>	October 2018/ Jackie Deppisch
301-9	<ol style="list-style-type: none"> <li>1. Updated formaldehyde testing to be most current</li> <li>2. Updated formaldehyde to be up to 5T for children</li> <li>3. Removed "Ultra" from Tide detergent for Apperance Retention testing</li> <li>4. Added Washington State Law testing requirements</li> <li>5. Added ASTM D1683 for hook &amp; eye testing</li> <li>6. Added attachment of male/female snap for Attachment Strength Pull Test</li> <li>7. Updated ASTM D4846 test to be named "Unsnapping force". Added seperation notation of male/female.</li> </ol>	December 2018/ Charlene Swanson

301-10	1. Updated Phthalates requirement to CPSC-CH-C1001-09.4 (Mod)	April 2019/ Becky Becker
301-11	1. Updated requirements for Attachment Strength to 25 lbs	June 2019/ Jackie Deppisch
301-12	1. Updated Total Lead in Substrate requirement to be 90 ppm instead of 100 ppm, per labs advisement/MN Law 2. Updated Phthalates to include DNOP and DIDP per labs advisement/ MN Law	January 2025/ Jackie Deppisch