

**302-13**  
**Buttons/Plastic Notions**

PERFORMANCE	TEST METHOD	REQUIREMENT
<b>INITIAL PACKAGE / FULL PACKAGE</b>		
<b>Physical Properties</b>		
Center Thickness (Buttons)	Caliper Measure	Report actual measurement
Ligne Size/Holes (Buttons)	Caliper Measure	Report actual measurement
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 Tide® Powder Detergent	No noticeable loss of color or coating No cracking or splitting  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 20 lbs. DATA ONLY: Report the point at which the trim fails, or if there is no detachment at 50 lbs.
Unclasping Force	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.	Report: Force required to unclasp the hook and eye part of the clasp in pounds in the Original State & after 150 manual clasps/unclasps  Acceptable range: 0.5 lbs-1.2 lbs. *Anything outside of this range, mark as a fail*
<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 splitting  Color Change: Grade 4 min. Staining: Grade 3 min.
<b>REQUIRED WHERE APPLICABLE AT ADDITIONAL COST</b>		
Corrosion Resistance (Metal Only)	Kohl's TM-6 Option A	No corrosive oxidation or discoloration
Formaldehyde	Kohl's TM-5 (only for 4 years and up)	Negative, If Spot Test is Positive, proceed with step 2
	JIS L 1041:2000 – Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	Children over 5T & Adults = 75 ppm max. Children's 0-5T = 20 ppm max.
Nickel Content (Metal Only)	Kohl's TM-18	Negative
<b>TOXICOLOGY TESTING – REQUIRED WHERE APPLICABLE AT ADDITIONAL COST</b>		
Lead Content in Surface Coating - Scrapeable in each color*	CPSC-CH-E1003-09.1	<b>Children &amp; Adult Products ≤ 90 ppm (0.009% total weight)</b>  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 of ALL ages - Accessible components in each part/ material  ≤ 100 ppm (0.010% total weight)  Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing
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  Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing
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

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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-CH-C1001-09.3	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.	
		<b>Substances</b>	<b>Suggested Materials</b>
		Lead	Follow CPSC lead
		Cadmium	Follow CPSC lead
		Phthalates	Coating and Plasticized materials
		The Washington standard cannot be enforced for products to which a federal standard applies.	

**(\*) asterisk= ALL COLORWAYS MUST BE TESTED**

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

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<p><b>Minimum Sample Size Necessary for Testing</b></p> <p>Initial Package: <b>Children's:</b> 40 pieces on fabric, 150 loose components <b>Adults:</b> 40 pieces on fabric, 40 loose components</p> <p>Additional Colorway: <b>Children's:</b> 25 pieces on fabric, 150 loose components <b>Adults:</b> 25 pieces on fabric, 20 loose components</p> <p><u>Toxicology Testing</u> Consult with approved lab for the number of samples Applicant is to select appropriate number of fabric layers based on end use application. <b>**Please refer to Kohl's preferred third party labs for individual and optional testing pricing</b></p> <p>Turn Around Time = 6 working days</p>		

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PERFORMANCE	TEST METHOD	REQUIREMENT
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. 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> </ol>	Nov. 2008/Ro Jain
301-2	<ol style="list-style-type: none"> <li>1. Added – Toxicology testing statement</li> <li>2. Updated – Test Method of Total Lead in Substrate Material</li> <li>3. Updated – Test Method of Lead Content in Surface Coating- Scrapeable in each color</li> <li>4. Updated – Test method for Phthalates, added DNHP and applies to all children’s products.</li> <li>5. Modified – Number of trim components needed for testing</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. Lead in Surface Coating – Updated method to CPSC-CH-E1003-09.1. Added Adult requirement, &lt;90 ppm.</li> <li>5. Total Lead Substrate – Updated method to CPSC-CH-E1002-08.1/CPSC-CH-E1001-008.1.</li> <li>6. Phthalates – Updated method to CPSC-CH-C1001-09.3. Added Adult requirement, &lt;1000 ppm.</li> <li>7. 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 / Vinoth Deenadayalan
302-7	1) Removed pricing for testing/took out Intertek/added approved lab statement	October 6th 2014/Nov. 31 2014/Leah Gross-Hutchison
302-8	1) Added Formaldehyde	December 4th 2014 Michelle Zydek
302-9	<ol style="list-style-type: none"> <li>1) Added ASTM D7142, Option 2 (SAFQ) - Unclasp Force</li> <li>2) Updated phthalates testing</li> <li>3) Updated Soluable Heavy Metals requirement version number</li> </ol>	October 2018- Jackie Deppisch
302-10	1) Updated Attachment Strength req to 25 lbs	June 2019- Jackie Deppisch
302-11	1) Updated Attachment Strength requirement to 20 lbs	August 2019 - Becky Becker
302-12	<ol style="list-style-type: none"> <li>1) Removed Ultra from Tide in Appearance Retention TM</li> <li>2) Updated children to 5T for Formaldehyde TM</li> <li>3) Updated Lead Content requirements</li> <li>4) Updated Total Lead in Substrate material</li> <li>5) Added Washington State requirements</li> </ol>	March 2020/Charlene Swanson
302-13	<ol style="list-style-type: none"> <li>1. Updated Clasp/Unclasp requirements</li> <li>2) Removed "Plastic" from buttons</li> </ol>	October 2020/ Jackie Deppisch