








PROTOCOL # 600-ZC

Children's Toys (Including Kid's Tent/Canopy) - Except Plush & Stuffed Toys (All Ages)

Performance Test	Test Method	Samples	Requirement	Rating (Section or exec. Summary which failed items can be referenced)
LABELING				
Labeling / Packaging Review	FPLA 16 CFR 500 & 19 CFR 134	All Samples	Should be legibly marked with the following information: Distributor's name, trademark or other means of identification of the manufacturer or packer & 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)	
Aquatic Toys	ASTM F963 Section 5.4	All Samples	 WARNING: This is not a lifesaving device. Do not leave children unattended while device is in the use.	
Age Grading	ASTM F963 Section 5.2	All Samples	Shall be appropriate for the intended use.	
Small Parts Warning * See pg 10 for Warning Labeling Requirements	ASTM F963 Section 5.11	All Samples	 WARNING: CHOKING HAZARD – Small parts. Not for children under 3 yrs.  WARNING: CHOKING HAZARD - Children under 8 yrs. can choke or suffocate on uninflated or broken balloons. Adult supervision required. Keep uninflated balloons from children. Discard broken balloons at once.  WARNING: CHOKING HAZARD - This toy is a small ball. Not for children under 3 yrs.  WARNING: CHOKING HAZARD – Toy contains a small ball. Not for children under 3 yrs.  WARNING: CHOKING HAZARD - This toy is a marble. Not for children under 3 yrs.  WARNING: CHOKING HAZARD – Toy contains a marble. Not for children under 3 yrs.	
Federal, State And Local Government Regulations	ASTM F963 Section 5.1	All Samples	Shall be properly labeled according to all federal, state & local requirements.	
Art Materials	ASTM F963 Section 5.13	All Samples	Shall be properly labeled.	
Magnets	ASTM F963 Section 5.17	All Samples	Shall be properly labeled.	
Safety Warning	Visual Check	All Samples	SAFETY WARNING: Remove all hang tags and accompanying fasteners before giving this toy to a child.	

Toys with functional sharp point edges or points	ASTM F963 Section 5.10	All Samples	Toys that are intended for use by children between the ages of 48 and 96 months, which contain accessible potentially hazardous sharp edges or sharp points that are a necessary part of the function of the toy, shall carry safety labeling on their packages as defined in section 5.3, stating that a sharp edge or sharp point, or both, exists.	
Children Article Intended to be Assembled by Adult (if applicable)	ASTM F963	All Samples	Children article intended to be assembled only by adult shall be labeled and indicated on packaging and assembly instructions prominently that the article is to be assembled only by adult.	
CPSIA Tracking Label (Applicable To All Children's Products)	Visual Check	All Samples	Kohl's Tracking label Requirements – Includes "Kohl's", the product style number or name, the manufacturer's factory number and the month and year the product was manufactured. Shall be permanently and distinguishably marked on the product.	
Import Permit (For Natural Materials Only) If Applicable	US Department of Agriculture Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)	All Samples	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.	
EPA TSCA Title VI – Composite Wood - Sample Declaration Form and Mill Certificate (if applicable)	40 CFR 770	All Samples	If wood of any type is present in the sample, submitter shall provide a completed and signed Sample Declaration Form. Sections A, B, and E of the Sample Declaration Form must always be completed. • If regulated composite wood is not present in the sample, result is N/A. • If regulated composite wood is present in the sample: - Submitter shall provide a copy of the certificate issued by the Third Party Certifier (TPC) for the mill(s) from which the raw panels were purchased - All information on the certificate shall be consistent with the Sample Declaration Form - Section D of the Sample Declaration Form must also be completed Notes: • Include a copy of the Sample Declaration Form in the report • Regulated composite wood includes: - Hardwood plywood (HWPW) - Medium-density fiberboard (MDF) - Thin medium-density fiberboard (Thin MDF) - Particleboard (PB) • Mill certificate must indicate compliance with TSCA Title VI. It is no longer acceptable to have the certificate indicate compliance with CARB's ATCM for formaldehyde in lieu of compliance with TSCA Title VI.	

<p>EPA TSCA Title VI – Composite Wood - Finished Good Labeling (if applicable)</p>	<p>40 CFR 770.45(c) / 40 CFR 770.45€</p>	<p>All Samples</p>	<p>Finished goods containing regulated composite wood shall comply with the labeling requirements found in 40 CFR 770.45(c) unless the finished good qualifies for the de minimis exception found in 40 CFR 770.45(e).</p> <ul style="list-style-type: none"> • A finished good does not require labeling per 40 CFR 770.45(c) if the finished good does not qualify for the de minimis exception in 40 CFR 770.45(e). If the finished good does qualify for the de minimis exception, result is N/A. • A finished good does require labeling per 40 CFR 770.45(c) if the finished good does not qualify for the de minimis exception in 40 CFR 770.45(e). <ul style="list-style-type: none"> - At a minimum, the label must be on the product OR the packaging - The label may be applied as a stamp, tag, or sticker - The label shall include, at a minimum, in legible English text: <ol style="list-style-type: none"> 1. Fabricator's name 2. Date the finished good was produced (in month/year format) 3. A statement of compliance to denote that the finished good complies with TSCA Title VI <p>Example: XXX Company MM/YYYY EPA TSCA Title VI compliant for formaldehyde</p> <p>Notes:</p> <ul style="list-style-type: none"> • A de minimis amount of regulated composite wood is defined as regulated composite wood content not exceeding 144 square inches, based on the surface area of the largest face of the finished good. • The de minimis exception is not available to finished goods or component parts that are designed to be used in combination or in multiples to create larger surfaces, finished goods, or component parts. • When a statement of compliance is necessary, the statement must denote that the finished good complies with TSCA Title VI. It is no longer acceptable to have the product labeled as compliant with CARB's ATCM for formaldehyde in lieu of a TSCA Title VI compliance statement. 	
<p>EPA TSCA Title VI – Composite Wood - Raw Panel Labeling (if applicable)</p>	<p>40 CFR 770.45(a)</p>	<p>All Samples</p>	<ul style="list-style-type: none"> • Panels or bundles of panels must be labeled with the following: <ul style="list-style-type: none"> - The panel producer's name - The lot number - The number of the EPA TSCA Title VI Third Party Certifier (TPC) - A statement of compliance to denote that the panels comply with TSCA Title VI <p>Notes:</p> <ul style="list-style-type: none"> • A panel producer number may be used instead of a name to protect identity • Raw panels are regulated composite wood products that have not been used to create a finished good • The compliance statement must denote compliance with the TSCA Title VI. It is no longer acceptable to have the panel labeled as compliant with CARB's ATCM for formaldehyde in lieu of TSCA Title VI compliance statement. 	
<p>Formaldehyde Emission of Composite Wood Product - State of California (if applicable)</p>	<p>Airborne Toxic Control Measure (ATCM), California Code of Regulations, Title 17, § 93120</p>	<p>All Samples</p>	<p>Composite wood products include finished goods composed of or containing hardwood plywood (HWPW) made with either a combination core (CC) or a veneer core (VC), particleboard (PB), and medium-density fiberboard (MDF), or finished goods composed of such products made with no-added formaldehyde based (NAF-based) resins or ultra-low emitting formaldehyde (ULEF) resins, shall not release formaldehyde exceeding the regulatory limits.</p> <p>In lieu of testing, valid certificate or test report or certificate can be submitted if dated within one year.</p>	
<p>Labeling of Composite Wood Product - Formaldehyde Emission - State of California (if applicable)</p>	<p>Airborne Toxic Control Measure (ATCM), California Code of Regulations, Title 17, § 93120</p>	<p>All Samples</p>	<p>Composite wood products include finished goods composed of or containing hardwood plywood (HWPW) made with either a combination core (CC) or a veneer core (VC), particleboard (PB), and medium-density fiberboard (MDF), or finished goods composed of such products made with no-added formaldehyde based (NAF-based) resins or ultra-low emitting formaldehyde (ULEF) resins, shall be labeled in accordance with the regulations and meet all applicable requirements.</p> <p>In lieu of testing, valid certificate or test report or certificate can be submitted if dated within one year.</p>	
<p>INSTRUCTIONAL LITERATURE & PRODUCER'S MARKING</p>				
<p>Promotional Statements And Other Materials</p>	<p>ASTM F963 Section 5.16</p>	<p>All Samples</p>	<p>Should be properly labeled without inconsistencies.</p>	

Instructional Literature	ASTM F963 Section 6	All Samples	Information and instructions shall provide safe use, or proper assembly, or both. Shall be legible and easy to read.
Producer's Marking	ASTM F963 Section 7	All Samples	Shall be properly marked.
Packaging	ASTM F963 Section A2.1	All Samples	Shall not include hazards when opened.
CPAI - 84 Labeling	CPAI-84	All Samples	Required CPAI - 84 Labeling that material meets CPAI-84 flame resistant requirement
Manufacturer I.D. & Code Number	CPAI-84	All Samples	Must be included and should be in a close proximity to the warning label.
Warning Label (Must Be Included On Product And Assembly Instructions) Note: @Replace the Word "Gazebo" by "Canopy" or "Tent" Wherever as Appropriate. If the Product Is Indeed A Gazebo Then There Is No Need To Replace.	CPAI-84	All Samples	WARNING: KEEP ALL FLAME AND HEAT SOURCES AWAY FROM THIS GAZEBO@ FABRIC This gazebo@ meets the flammability requirements of CPAI-84. The fabric may burn if left in continuous contact with any flame source. The application of any foreign substance to the gazebo @ fabric may render the flame-resistant properties ineffective.
Composite Wood Products Labeling – Formaldehyde Emission (If Applicable)	Calif. Code of Regulations, Title 17, S. 93210.7 (d) Visual Check	All Samples	Product and retail packaging must be labeled to certify compliance to formaldehyde emission standard of CARB ATCM.
Composite Wood Products Labeling – Formaldehyde Emission (If Applicable)	40 CFR Part 770	All Samples	Product and retail packaging must be labeled to certify compliance to formaldehyde emission standard of US EPA.
CONSTRUCTION QUALITIES			
Material Quality	ASTM F963 Section 4.1 Visual Check	All Samples	Constructed of new or processed material.
*Magnets	ASTM F963 Section 4.38	All Samples	Shall have a flux index<50 and meet s the minimum size requirement.
Small Objects	ASTM F963 Section 4.6	All Samples	16 CFR 1501. No small parts.
Accessible Edges	ASTM F963 Section 4.7	All Samples	16 CFR 1500. 49. No sharp edges.
Projections	ASTM F963 Section 4.8	All Samples	Shall be free from hazardous projections.
Accessible Points	ASTM F963 Section 4.9	All Samples	16 CFR 1500. 48. No sharp points.
Plastic Film	ASTM F963 Section 4.12	All Samples	Shall be > 0.00125". Alternatively sheeting less than 0.00125" thickness shall be perforated with defined holes.
Folding Mechanisms And Hinges	ASTM F963 Section 4.13	All Samples	No crushing, laceration or pinching hazards. Shall have adequate hinge-line clearance.
Cords, Straps And Elastics	ASTM F963 Section 4.14	All Samples	< 12" length; < 14" loop or containing a breakaway feature; while pull toys > 12" shall have no beads or other attachments that could tangle to form a loop.
Holes, Clearance & Accessibility Of Mechanisms	ASTM F963 Section 4.18	All Samples	No finger pinching or crushing hazards. No entrapment hazards.
Projectile	ASTM F963 Section 4.21	All Samples	Shall meet related construction & Kinetic energy requirement
Certain Toys with Nearly Spherical Ends	ASTM F963 Section 4.32	All Samples	Toy with spherical end shall not produce an impaction hazard.
Hemispheric-Shaped Objects	ASTM F963 Section 4.36	All Samples	Toy cup-, bowl-, or one-half egg-shaped object having a nearly round, oval, or elliptical opening shall not produce suffocation hazard
Moisture Content (%) (If Wood Toy)	Std. Measure	All Samples	Should not exceed 12% for wood based material only.
Wires and rods	ASTM F963 Section 4.10	All Samples	Shall not present potentially hazardous accessible sharp points, sharp edges, or projection hazard before or after use and abuse testing
Nails and Fasteners	ASTM F963 Section 4.11	All Samples	Shall not present potentially hazardous accessible sharp points, sharp edges, ingestion, or projection hazards before or after use and abuse testing

Confined spaces	ASTM F963 Section 4.16	All Samples	Samples shall meet the requirements intended to minimize the possible entrapment of children in toys that form enclosures	
Expanding material	ASTM F963 Section 4.40	All Samples	Toys and components of toys which fit entirely inside the small parts cylinder in any orientation (small parts test) to contain or be composed of expanding materials shall completely pass through the gauge	
Toy chests	ASTM F963 Section 4.41	All Samples	Samples shall meet the safety requirement as specified in ASTM-F963-16 section 4.41 before and after being subjected to 7000 opening and closing cycles.	
PERFORMANCE				
Flammability	ASTM F963 Section 4.2	1 Sample	Less than 0.1"/ Sec. (16 CFR 1500.44)	
Textile Fabrics - Flammability	ASTM F963 Section 4.2 & Annex A6	1 Sample	Textile fabrics used in toys shall meet the requirement as specified in ASTM F963 section 4.2 and Annex A6.	
Flame – Resistant Materials Used in Camping Tentage	CPAI-84	1 Sample	Must meet the requirement of the CPAI-84.	
Normal Use Testing	ASTM F963 Section 8.5	1 Sample	No safety hazards.	
Washable Toys	ASTM F963 Section 8.5.1	1 Sample	No safety hazards.	
Abuse Testing	ASTM F963 Section 8.6	1 Sample	No safety hazards.	
Drop Test	ASTM F963 Section 8.7.1	1 Sample	16 CFR 1500 (Table 5, F 963-16)	
Torque Test For Removal Of Components	ASTM F963 Section 8.8	1 Sample	16 CFR 1500 (Table 5, F 963-16)	
Tension Test For Removal Of Components	ASTM F963 Section 8.9	1 Sample	16 CFR 1500 (Table 5, F 963-16)	
Tension Test For Seams	ASTM F 963 Section 8.9.1	1 Sample	16 CFR 1500 (Table 5, F 963-16)	
Compression Test	ASTM F963 Section 8.10	1 Sample	16 CFR 1500 (Table 5, F 963-16)	
Flexure Test	ASTM F963 Section 8.12	1 Sample	16 CFR 1500 (Table 5, F 963-16)	
Attachment Pull Strength (Individual Strand)	16 CFR 1500.51-53 Pt F modified	1 Sample	No detachment at 17 lbs. for 10 seconds	
Attachment Pull Strength (Whole Pompom/Tassel)	16 CFR 1500.51-53 Pt F modified	1 Sample	No detachment at 17 lbs. for 10 seconds	
*Sound Producing Toys	ASTM F963 Section 4.5	1 Sample	Close-to-the-ear toys < 65 dB (A) Close-to-ear toys < 110 dB (C) Not close-to-the-ear toys < 115 dB (C) Toys sounds produced by percussion caps or other explosive action< 125 dB (C) All other toys except close-to-the-ear toys and push & pull toys < 85 dB (A)	
*Magnet Use And Abuse Testing	ASTM F963 Section 8.25.4	1 Sample	No safety hazards.	
*Locking Mechanism Or Other Means	ASTM F963 Section 8.26	1 Sample	No safety hazards.	
#Claim Verification (If Claimed)	Visual Check / Actual Use	1 Sample	All designs and features must conform to actual claim.	Claim:
Dimensional stability (If applicable)	AATCC 150 (3 washes)	1 Sample	The dimensional change shall be not more than +/-3%.	
Appearance after washing (If applicable)	AATCC/ASTM TS-008 Modified Tide® Powder Detergent	1 Sample	Must meet all applicable Kohl's Appearance Evaluation Requirements	
Tensile Strength	ASTM D5034	1 Sample	Min. 50 lbs. / in.	
Tear Strength	ASTM D2261	1 Sample	Min. 3 lb	
Seam Strength	ASTM D1683	1 Sample	Min 25lbs./in	
Formaldehyde - For Textile	AATCC 112	1 Sample	Recommended for textile. Shall not exceed below limits. - Baby (up to 36 months of age): Not detected (< 16 ppm) - Direct contact with skin: 75 ppm - Without direct contact with skin: 300 ppm - Decoration material: 300 ppm	
pH Value	AATCC 81 (Textile) / ASTM D2810 (Leather)	1 Sample	Recommended for textile and leather: - Baby (up to 36 months of age): 4.0 - 7.5 - Direct contact with skin: 4.0 - 7.5 - Without direct contact with skin: 4.0 - 9.0 - Decoration material (non-leather): 4.0 - 9.0 - Leather: 3.5 - 7.5	

Fiber Composition (if applicable)	AATCC 20 / AATCC 20A	1 Sample	Textile product (For fiber labeling): - Single fiber: No tolerance - Blended fiber: +/- 3% Textile component of non-textile product (If claimed): - If percentage of fiber is specified: Recommend following the tolerance applied for textile product. - If percentage of fiber is not specified: Report actual fiber composition (qualitative) of the textile component. Shall meet label claims (If applicable). NOTE: Select above requirement(s) as applicable.	
Cycle Test / Test for Buttons, Switches, and/or Moving Components (if applicable)	Actual use	1 Sample	Shall have no breakage, loss of functionality, loss of serviceability after 200 times	
Moisture Content	Std. Measure	1 Sample	Shall not exceed 8 - 12%	
Flammability For Vinyl Material (if applicable)	16 CFR 1611	1 Sample	Shall not exceed 1.2 inch/second of average rate of burning	
Assessment Of Potential Finger Entrapment	EN 581-1 Section 5	1 Sample	There shall be no accessible holes in the ends of tubular components with a diameter between 7 mm to 12 mm and with a depth more or equal to 10 mm. The bottom of tubular legs in contact with the floor shall be closed or capped, however, holes in them are allowed as long as they are not between 7 and 12 mm. Distance between two externally accessible parts relative to each other shall not be between 7 to 18mm when under the body weight (Shear and squeeze point).	
Practical Test	Actual Use	1 Sample	Assemble the product as instructed Shall be no damaged or deformed components of the product after assembly Disassemble the product Repeat 5 times Shall be no damage or deterioration of any of the components	
*Tech Pack Verification (Needs to be provided – Lab HOLD if not provided)	Visual Check / Std. Measurement	1 Sample	Verify all claims mentioned in Tech Pack File	Provided: Not Provided:
Drop Test (for non-fragile items only)	Actual Use	1 Sample	Shall withstand 3 drops from 3 feet height onto vinyl clad cement floor with no failure.	
Effects of extreme temperature/humidity (environmental)	Kohl's TM 30		24 hours @ 0°F (-18°C) 24 hours @ 95% RH/120°F (49°C) – no failure or visual change.	
Cross Cut Adhesion (Metal Plating) (metal products only)	ASTM D3359 Test Method A	1 Sample	Cut 2 in. cross-hatch pattern on surface of plated item, plating must remain affixed. Trace peeling or removal along incision or at their intersection is accepted.	
Durability	Actual Use		Shall sustain 100 cycles of operations (i.e. fold and unfold) without failure and able to provide a smooth uniform operation after the test.	
COLORFASTNESS				
Colorfastness to Chlorine Bleach AND Non-Chlorine Bleach (If applicable)	AATCC/ASTM TS-001	All Samples	Grade 4 min.	
Colorfastness to Water (If applicable)	AATCC 107	All Samples	Shade Change: Grade 4 min Self Staining: Grade 4 min Staining: Grade 3 min	
Color fastness to crocking	AATCC 8	All Samples	Dry: Class 4.0 Minimum. Wet: Class 3.0 Minimum	

Colorfastness to Light	AATCC 16 Option 3 10 AFU & 20 AFU	All Samples	All samples All Colors (except listed below): Shade Change: 10 AFU: Grade 4.0 min 20 AFU: Grade 3.5 min Neons/Brights/Whites/Pastels: Shade Change: 10 AFU: Grade 3.5 min 20 AFU: Grade 3.0 min	
PRODUCTS HAVING ELECTRICALLY OPERATED PART				
Electrically Operated Parts	Refer to Protocol 603	All Samples	Compliance to applicable test lines in protocol	
ANALYTICAL				
*Heavy Metals content	ASTM F963 Section 8.3/ 16 CFR 1251	1 Sample	Must comply with requirement. Lead content ≤ 90 mg/kg (for surface coating) ≤ 100 mg/kg (for substrate) Extractable Cadmium (for metal small part) ≤ 200 µg Soluble heavy metal (surface and substrate (ASTM F963, 4.3.5, Table 1 and 2) Unfinished and untreated wood as defined in 16 CFR 1251 will not be tested	
*Lead In Scrapable Surface Coating	CPSC-CH- E1003-09	1 Sample	≤90 ppm (0.009% by weight) - (all other items) ≤40 ppm (0.004% by weight) – (watches & items intended to facilitate the feeding, i.e. foodware, sippy cups, etc.)	
*Lead In Substrate Material (Accessible Component)	CPSC-CH- E1001-08 and/or CPSC-CH- E1002-08	1 Sample	≤100 ppm (0.010% by weight)	
*Phthalates In Plasticized Material (DEHP, BBP, DBP, DIDP, DINP, DnOP, DnHP, DCHP) Accessible Components Only	CPSC-CH- C1001-09.4	1 Sample	Not exceeding 0.1% by weight (each).	
Phthalates content	Consumer Product Safety Improvement Act of 2008 / 16 CFR 1307 / CPSC-CH-C1001-09.4 (Mod)	1 Sample	1 Sample 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 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.	
Toxicity & Irritancy by Toxicological Risk Assessment (TRA) Applicable to below components : All toy cosmetics, liquids, pastes, putties, gels and powders regardless of claim Other materials bearing a "NON- TOXIC" claim on samples and/or its packaging	ASTM F963 / 16 CFR 1500.3	1 Sample	Toxicity Risk Assessment shall be conducted to substantiate the compliance of the regulation. In lieu of testing, test report can be submitted if dated within two years.	
*LHAMA Toxicological Review Applicable to art material products	16 CFR 1500.14 (b) (8)	1 Sample	Art material product formulation (s) and associated label shall have a chronic health hazard review by a certified toxicologist. In lieu of testing, a 3rd party test report can be submitted to lab for document review.	
* CA Prop 65	Refer to Protocol 1300	All Samples	All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	
Toxicity & Irritancy by Toxicological Risk Assessment (TRA) Applicable to below components : All toy cosmetics, liquids, pastes, putties, gels and powders regardless of claim Other materials bearing a "NON- TOXIC" claim	ASTM F963 / 16 CFR 1500.3	1 Sample	Toxicity Risk Assessment shall be conducted to substantiate the compliance of the regulation. In lieu of testing, test report can be submitted if dated within two years.	

*LHAMA Toxicological Review	16 CFR 1500.14 (b) (8)	1 Sample	Art material product formulation (s) and associated label shall have a chronic health hazard review by a certified toxicologist. In lieu of testing, a 3rd party test report can be submitted to lab for document review.																		
*Microbial Contamination (Total Bacterial Count, Total Combined Molds & Yeast Count and avian feather used in toy)	USP <61> & USP<62>/ CTFA Microbiology Guidelines M-1 and M-2	1 Sample	<table border="1"> <thead> <tr> <th>Microbial</th> <th>Limit Value</th> </tr> </thead> <tbody> <tr> <td>Total Viable Count for aerobic mesophyllic micro-organism - Total Bacterial Count - Total Combined Moulds & Yeast Count</td> <td>≤5X102 cfu/g (Infant product and products which have a high likelihood of being used in the area of the eye)</td> </tr> <tr> <td></td> <td>≤5X103 cfu/g (all other product)</td> </tr> <tr> <td>Escherichia coli</td> <td>Absent/ g</td> </tr> <tr> <td>Salmonella</td> <td>Absent/ g</td> </tr> <tr> <td>Coagulasepositive</td> <td>Absent/ g</td> </tr> <tr> <td>Staphylococcus aureus</td> <td>Absent/ g</td> </tr> <tr> <td>Pseudomonas aeruginosa</td> <td>Absent/ g</td> </tr> <tr> <td>Shigella sp.(Avian feather only)</td> <td>Absent/ g</td> </tr> </tbody> </table> <p>In lieu of testing, test report can be submitted if dated within two years.</p>	Microbial	Limit Value	Total Viable Count for aerobic mesophyllic micro-organism - Total Bacterial Count - Total Combined Moulds & Yeast Count	≤5X102 cfu/g (Infant product and products which have a high likelihood of being used in the area of the eye)		≤5X103 cfu/g (all other product)	Escherichia coli	Absent/ g	Salmonella	Absent/ g	Coagulasepositive	Absent/ g	Staphylococcus aureus	Absent/ g	Pseudomonas aeruginosa	Absent/ g	Shigella sp.(Avian feather only)	Absent/ g
Microbial	Limit Value																				
Total Viable Count for aerobic mesophyllic micro-organism - Total Bacterial Count - Total Combined Moulds & Yeast Count	≤5X102 cfu/g (Infant product and products which have a high likelihood of being used in the area of the eye)																				
	≤5X103 cfu/g (all other product)																				
Escherichia coli	Absent/ g																				
Salmonella	Absent/ g																				
Coagulasepositive	Absent/ g																				
Staphylococcus aureus	Absent/ g																				
Pseudomonas aeruginosa	Absent/ g																				
Shigella sp.(Avian feather only)	Absent/ g																				
Lead in PVC Power Cord (Test only if No Prop 65 Warning On Package)	EPA SW846 Method #3050	1 Sample	<p>⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov</p> <p>1 Sample ≤ 200 ppm (0.020% by weight) Otherwise Prop 65 warning should be present</p>																		
ANALYTICAL																					
*Efficacy of antimicrobial preservation	USP <51> + CTFA	10 samples	<p>For Topical products: Bacteria (Staphylococcus aureus, E. Coli, Pseudomonas aeruginosa) Not less than 2.0 log reduction from the initial count at 14 days, and no increase from the 14 days' count at 28 days Yeast and Molds (Candida albicans & Aspergillus niger) No increase from the initial calculated count at 14 and 28 days</p> <p>In lieu of testing, a test report can be submitted if dated within two years.</p>																		
*Flash Point of Liquid	16 CFR 1500.3(c) (6)(iii) / 16 CFR 1500.43(a)	1 Sample	Flash point of all liquid filled items intended or likely to be used by children shall exceed 150 °F / 65.6 °C.																		
Magnet	ASTM F963 Section 4.38	All Samples	Shall Not employ Small AND Powerful magnet where : Small – component that can entirely fit within small part cylinder before / after abuse Powerful – magnet component with magnet flux index greater than 50kG2mm2																		
Asbestos in toys and other articles for children under the age of 16 (For Connecticut) Suggested material : crayon, modeling clay, powder and chalk	ISO22262-1 / NIOSH 9000	1 Sample	Connecticut, Chapter 420d State Child Protection Act, Sec. 21a-337. (Formerly Sec. 19-560). Prohibited acts. Exceptions. Prohibited																		
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.) / CPSC- CH-E1003-09.1/ CPSC-CH- E1002-08.1 / CPSC-CH-E1001- 08.1 Phthalate CPSC-CH-C1001-09.3	All Samples	<p>Washington Children's Safe Products Act</p> <p>≤ 90 ppm (lead) ≤ 40 ppm (Cadmium) ≤ 0.1% (BBP, DBP, DEHP, DIDP, DINP or DNOP) (individually or in combination)</p> <p>Note: Actual test would be performed on below suggested accessible materials.</p> <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> <p>The Washington standard cannot be enforced for products to which a federal standard applies.</p>	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																				

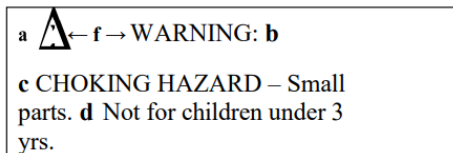
Total Lead	Metal: CPSC-CH-E1001-08.3 Non Metal: CPSC-CH-E1002-08.3 Surface Coating: CPSC-CH-E1003-09.1	1 Sample	90ppm Minnesota 325E.3892 (HF 2310) Products preempted by federal & state law (e.g., CPSC, FDA, etc) are exempt from testing. Product exemptions for CPSC (16 CFR 1500.91 (d) and (e), 16 CFR 1500.88 and 16 CFR 1252)
Total Cadmium	Substrate & Surface Coating: EPA or ASTM method from AFIRM or CPSC methods	1 Sample	75ppm Minnesota 325E.3892 (HF 2310) Product Exemptions by federal & state law (e.g., CPSC, FDA, etc) are exempt from testing.
Phthalates content	Consumer Product Safety Improvement Act of 2008 / 16 CFR 1307 / CPSC-CH-C1001-09.4 (Mod)	1 Sample	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 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.
Refer to protocol Hardlines Regulatory Supplement for additional State & Federal Regulations	Refer to Protocol 1800	All Samples	All samples shall be reviewed against the requirements of the Hardlines Regulatory Supplemental Protocol (State Regulation Only) to determine if additional testing or labeling is required

ADDITIONAL NOTE:

*Please refer to Kohl's preferred third party labs for individual pricing and samples.

*Liquid Toxicity: (Applicable only to Liquid Styles)			
-Presence Of Ethylene Glycol (Children's Products)	GC/GCMS	1 Sample	16 CFR 1500.231 Must not be present
-Presence Of Diethylene Glycol (Children's Products)	GC	1 Sample	16 CFR 1500.231 Must not be present
-Methanol (Children's Products)	GC	1 Sample	16 CFR 1500.231 Must not be present
-Mercury (Children's Products)	AAS	1 Sample	16 CFR 1500.231 Must not be present
-Methylene Chloride (Children's Products)	GC/MS	1 Sample	16 CFR 1500.231 Must not be present
-Petroleum Distillates (Children's Products)	GC/MS	1 Sample	16 CFR 1500.231 Must not be present
-Toluene (Children's Products)	GC/MS	1 Sample	16 CFR 1500.231 Must not be present
-Xylene (Children's Products)	GC/MS	1 Sample	16 CFR 1500.231 Must not be present

Warning Labeling Requirements:



Area of Principal Display Panel (Square inches)	Triangle Height	Signal Word	Hazard Statement	Other Cautionary Material	Size f
	Size a	Size b	Size c	Size d	
0-2	3/64"	3/64"	3/64"	1/32"	At least the width of "W"
> 2-5	1/16"	1/16"	3/64"	3/64"	
> 5-10	3/32"	3/32"	1/16"	1/16"	
> 10-15	7/64"	7/64"	3/32"	1/16"	
> 15-30	1/8"	1/8"	3/32"	5/64"	
> 30-100	5/32"	5/32"	7/64"	3/32"	
> 100-400	1/4"	1/4"	5/32"	7/64"	
> 400	1/2"	1/2"	1/4"	5/32"	

Protocol Version	Description of Change	Revised by / Date	Approved by / Date
600 - 0	Initial Release	CY Chan Feb 10, 2004	Roger Mayerson Mar 08 2004
600 - 1	Change Flammability requirement	Simon Leung Aug 01, 2004	Roger Mayerson Aug 01, 2004

600 - 2	Update Polystyrene Foam Beads and Other Filling Materials. Update ASTM F 963-03 – Battery operated toy labeling, Certain toys with spherical ends, Hemispheric-shaped objects and Sound producing toys	Simon Leung Oct 11, 2004	Roger Mayerson Oct 22, 2004
600 - 3	Updated to ASTM F 963-07. Added FCC, Prop 65 & Hangtag Warning Label. Added Analytical Tests to Meet CPSIA of 2008 and Prop 65 requirements. Price Adjustment.	Simon Leung Oct 10, 2008	Ro Jain Oct 13, 2008
600 - 4	Updated to ASTM F 963-08. Added CPSIA tracking label information for children's products	Simon Leung June 30, 2009	Ro Jain June 30, 2009
600 - 5	Removed 100ppm for lead in substrate	Elizabeth Armstrong July 13, 2009	Ro Jain July 13, 2009
600 - 6	Updated the Protocol Title; Lead in Substrate Material & Phthalates in Plasticized Materials Test Methods to CPSC. Add DnHP	Simon Leung Oct 15, 2009	Ro Jain Oct 31, 2009
600-A	Changed protocol number from 600-6 to 600-A. Changed lead in scrapable surface to 40ppm from 90ppm for IL law. Added size requirements for warning labels, price adjustment	Elizabeth Armstrong Dec. 21, 2009	Ro Jain Dec. 21, 2009
600-B	Changed test method from ASTM E1613/E1645 to CPSC-CH- E1003-09 for lead in scrapable surface coating	Elizabeth Armstrong April 1, 2010	Ro Jain April 1, 2010
600-C	Changed lead in substrate from 300ppm to 100ppm	Elizabeth Armstrong June 13, 2011	Ro Jain June 13, 2011
600-D	Updated phthalates pricing	Elizabeth Armstrong July 21, 2011	Ro Jain July 21, 2011
600-E	Updated ASTM F963 from 2008 version to 2011 version, add the pricing of extractable cadmium	Elizabeth Armstrong April 2, 2012	Ro Jain April 2, 2012
600-F	Separate the test line of Prop 65 to supplementary protocol	John Wong Mar 15, 2013	Ro Jain April 15, 2013
600-G	Add TRA, LHAMA, USP 51, USP61+62, Liquid Toxicity and Flashpoint requirements; Remove B/O toys and FCC requirements to the new supplemental protocol of electrically operated toys	Viesent Che Nov 5, 2013	Ro Jain Feb. 10, 2014
600-H	Updated chemical test pricing in additional charge section	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug. 4, 2014
600-I	Add Magnet test requirement Update the page number of small part warning	Quincy Chan Feb 2, 2015	Jeetendra Shelatkar Feb 2, 2015
600-J	Add asbestos requirement	Kelly Peng Aug 18, 2015	Jeetendra Shelatkar Aug 24, 2015
600-K	Updated test method for heavy metals content to state that unfinished and untreated wood will not be tested	Elizabeth Armstrong Jan 8, 2016	Jeetendra Shelatkar Jan 8, 2016
600-L	Added children play tent requirements: CPAI 84 labeling and flammability requirements, physical performance requirements and colorfastness requirements, toys w/ functional sharp point edges or points, wires and rods, nails and fasteners, confined spaces	Elizabeth Armstrong Oct 28, 2016	Elizabeth Armstrong Oct 28, 2016
600-M	Update of ASTM-F963-16	Ken Tsai Feb 6, 2017	Elizabeth Armstrong Feb 13, 2017
600-N	Added Labeling – US EPA Formaldehyde Emission	Cindy Ng May 4, 2017	Elizabeth Armstrong May 8, 2017
600-O	Remove of 16 CFR 1240	Ken Tsai Jun 5, 2017	Elizabeth Armstrong June 9, 2017
600-P	Added new phthalates requirements including DCHP	Elizabeth Armstrong Nov 28, 2017	Elizabeth Armstrong Nov 28, 2017
600-Q	CPSIA Phthalates update for April 2018	Teana Robinette January 8, 2018	Teana Robinette January 8, 2018
600-R	Update of ASTM-F963-17	Ken Tsai Feb 9, 2018	Elizabeth Armstrong Feb 23, 2018
600-R	Update Version of Phthalate content from CPSC-CH-C1001-09.3 to CPSC-CH-C1001-09.4 (no letter change for this update)	Teana Robinette June 4, 2018	Teana Robinette June 4, 2018
600-S	Updated Prop 65 Warning – New Verbiage	Teana Robinette June 27, 2018	Teana Robinette June 27, 2018
600-T	Added import permit and adult tracking label req	Elizabeth Armstrong April 22, 2019	Elizabeth Armstrong April 22, 2019
600-U	Added I have no breakage, loss of functionality, loss of serviceability after 200 times / cycles use of buttons, switches, and/or moving components. Flammability for vinyl	Elizabeth Armstrong May 22, 2020	Elizabeth Armstrong May 22, 2020
600-V	Updated the adult assembly instruction requirements, added tassel attachment strength requirement	Elizabeth Armstrong Sept 18, 2020	Elizabeth Armstrong Sept 18, 2020
600-W	Updated adult assembly test method	Elizabeth Armstrong Sept 23, 2020	Elizabeth Armstrong Sept 23, 2020
600-X	Removed PVC cord testing for Prop 65 since covered in 1300 protocol.	Charlene Swanson April 2021	Charlene Swanson April 2021
600-Y	Updated format, added drop test, durability, effects of extreme temperature, and	Charlene Swanson June 2023	Charlene Swanson June 2023
600-Z	Added MN Law lead and cadmium testing requirements	Elizabeth Armstrong Nov 2023	Elizabeth Armstrong Nov 2023

600-ZA	Updated F963 requirements to not include year	Charlene Swanson February 2024	Charlene Swanson February 2024
600-ZB	Updated MN Law to include exemptions	Elizabeth Armstrong March 2024	Elizabeth Armstrong March 2024
600-ZC	Added 1800 Hardlines Regulatory Supplement for additional State & Federal Regulations	Isaac Grossman February 2025	Isaac Grossman February 2025