


PROTOCOL # 601-ZB

Safety Supplement - Products Having Child Appeal (Except Toys)

Performance Test	Test Method	Samples	Requirement	Rating (Section or exec. Summary which failed items can be referenced)
LABELING				
Age Grading (Applicable To All Children's Products)	ASTM F963 Section 5.2	All Samples	Shall be properly labeled.	
Small Parts Warning (Applicable To All Children's Products) * See pg 5 for Warning Labeling Requirements	ASTM F963 Section 5.11	All Samples	 WARNING: CHOKING HAZARD – Small parts. Not for children under 3 yrs.	
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.	
Hangtag (If Applicable) (if combined with other hangtag reach out to Kohl's QA/PI to see if acceptable)	Visual Check	All Samples	SAFETY WARNING: Remove all hang tags and accompanying fasteners before giving this product to a child. (not applicable to footwear)	
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.	
BPA Free Label Children's product only for plasticized components, if applicable	Visual Check	All Samples	Must be conspicuously labeled as "BPA Free"	
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.	
Adult Tracking Label: **If space limitations exist, contact Kohl's QA/PI to discuss minimum required information (quality.assurance@kohls.com)	Kohl's Requirement	All Samples	Can be included on packaging when necessary: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #	TO BE MARKED AS PASS/FAIL
Children Article Intended to be Assembled by Adult (if applicable)	With reference to 16 CFR 1500.50	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 by adult only	
CONSTRUCTION QUALITIES				
Small Parts, Sharp Edges, Sharp Points	ASTM F963 Sections 4.6, 4.7, 4.9	All Samples	16 CFR 1500 & 1501. No safety hazards.	
Projections	ASTM F963 Section 4.8	All Samples	Shall be free from hazardous projections.	
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.	
PERFORMANCE				
*Flammability	ASTM F963 Section 4.2	1 Sample	Less than 0.1"/Sec. (16 CFR 1500.44)	
Normal Use Testing	ASTM F963 Section 8.5	1 Sample	No safety hazards.	
ABUSE TESTING (If Requested by Kohl's Only)				
Drop Test	ASTM F963 (Table 5)	1 Sample	16 CFR 1500. No safety hazards.	
Torque Tests For Removal Of Components	ASTM F963 (Table 5)	1 Sample	16 CFR 1500. No safety hazards.	
Tension Tests For Removal Of Components	ASTM F963 (Table 5)	1 Sample	16 CFR 1500. No safety hazards.	
Compression Test	ASTM F963 (Table 5)	1 Sample	16 CFR 1500. No safety hazards.	
Flexure Test	ASTM F963 (Table 5)	1 Sample	16 CFR 1500. No safety hazards.	
PRODUCTS HAVING ELECTRICALLY OPERATED PART				
Electrically Operated Parts	Refer to Protocol 603	All Samples	Compliance to applicable test lines in protocol	
ANALYTICAL				

*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)																	
*Nickel Spot Test (Qualitative) (Metal Parts For Children’s Products Only)	PD CR 12471	1 Sample	Skin contact metal components – negative test result																	
Bisphenol A (BPA) Content (Any children’s reusable food or beverage container, such as but not limited to: plates, cups, bowls, sippy cups, bottles, etc.) Exempt Materials: Glass, Metal, Wood, Textiles, Etc. If BPA free is claimed test all accessible components.	Solvent extraction and analysis by LC/MS	1 Sample	≤0.1 ppm																	
* 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 mesophilic 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) ≤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 mesophilic micro-organism - Total Bacterial Count - Total Combined Moulds & Yeast Count	≤5X10 ² cfu/g (Infant product and products which have a high likelihood of being used in the area of the eye) ≤5X10 ³ 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	
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ANALYTICAL																				
*Efficacy of antimicrobial preservation	USP <51> + CTFA	10 samples	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 In lieu of testing, a test report can be submitted if dated within two years.																	
*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	Washington Children's Safe Products Act ≤ 90 ppm (lead) ≤ 40 ppm (Cadmium) ≤ 0.1% (BBP, DBP, DEHP, DIBP, DINP or DNOP) (individually or in combination) Note: Actual test would be performed on below suggested accessible materials. <table border="1"> <tr> <th>Substances</th> <th>Suggested materials</th> </tr> <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> </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										
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.								

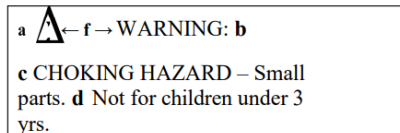
ADDITIONAL NOTE:

*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"	he width "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"	At least 11 of 11
> 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
601-0	Initial Release	CY Chan Feb 10, 2004	Roger Mayerson Mar 08, 2004
601-1	Update ASTM F 963-03	Simon Leung Oct 11, 2004	Roger Mayerson Oct 22, 2004
601-2	Add Flexure Test	Simon Leung Aug 20, 2005	Ro Jain Aug 25, 2005
601-3	Changed Title to Safety Supplement - Children's Products Having Child Appeal. Updated Test Method to ASTM F 963-07. Added Requirements to Meet CPSIA of 2008. Price Adjustment.	Simon Leung Oct 10, 2008	Ro Jain Oct 13, 2008
601-4	Update ASTM F 963-08. Added CPSIA tracking label information for children's products	Simon Leung June 30, 2009	Ro Jain June 30, 2009
601-5	Removed 100ppm for lead in substrate	Elizabeth Armstrong July 13, 2009	Ro Jain July 13, 2009
601-6	Updated the Protocol Title. Added ASTM F 963 Normal Use Test. Abuse Testing is Required Upon Request by Kohl's Only. Updated the Lead in Substrate Test Method from EPA SW 846 to CPSC.	Simon Leung Oct 15, 2009	Ro Jain Oct 31, 2009
601-A	Changed protocol number from 601-6 to 601-A. Added size requirements for warning labels, price adjustment, added 40ppm to lead in scrapable surfaces for foodware items & watches	Elizabeth Armstrong Dec. 21, 2009	Ro Jain Dec. 21, 2009
601-B	Changed test method from ASTM-E1613/E1645 to CPSC-CH- E1003-09 for lead in scrapable surface. Added Nickel spot test	Elizabeth Armstrong April 1, 2010	Ro Jain April 1, 2010
601-C	Added BPA testing	Elizabeth Armstrong November 11, 2010	Ro Jain November 11, 2010
601-D	Added phthalates testing and pricing, changed title, changed test method for nickel spot test, changed lead in substrate to 100ppm for all products	Elizabeth Armstrong February 14, 2011	Ro Jain February 14, 2011
601-E	Updated phthalates pricing. added for accessible components only to phthalates testing	Elizabeth Armstrong July 21, 2011	Ro Jain July 21, 2011
601-F	Updated ASTM F963 from 2008 version to 2011 version	Elizabeth Armstrong April 2, 2012	Ro Jain April 2, 2012
601-G	Separate the test line of Prop 65 to supplementary protocol	John Wong Mar 15, 2013	Ro Jain April 15, 2013
601-H	Add TRA, LHAMA, USP 51, USP61+62,16 CFR 1500.231 and flashpoint requirements.	Viesent Che Nov 5, 2013	Ro Jain Feb. 10, 2014
601-I	Updated chemical test pricing in additional charge section	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug. 4, 2014
601-J	Add Magnet test requirement Update the page number of small part warning	Quincy Chan Feb 2, 2015	Jeetendra Shelatkar Feb 2, 2015
601-K	Add asbestos requirement	Kelly Peng Aug 18, 2015	Jeetendra Shelatkar Aug 18, 2015
601-L	Updated BPA testing to test all accessible components if BPA Free is claimed	Kelly Peng Oct 8, 2015	Jeetendra Shelatkar Oct 20, 2015
601-M	Lead, Cadmium and Phthalate in Washington Children's Safe Products Act	Elizabeth Armstrong June 1, 2016	Jeetendra Shelatkar June 1, 2016
601-N	Update of ASTM-F963-16	Ken Tsai Feb 6,2017	Elizabeth Armstrong Feb 13, 2017
601-O	Update Magnet line to ASTM F963-16, 4.38	Cindy Ng March 30, 2017	Teana Robinette March 30, 2017
601-P	CPSIA Phthalates update for April 2018	Teana Robinette January 8, 2018	Teana Robinette January 8, 2018
601-Q	Update of ASTM-F963-17	Ken Tsai Feb 9,2018	Elizabeth Armstrong Feb 23, 2018
601-Q	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
601-R	Added import permit and adult tracking label req	Elizabeth Armstrong April 22, 2019	Elizabeth Armstrong April 22, 2019
601-S	Updated the requirements for BPA testing Children's product only for plasticized components, if applicable	Elizabeth Armstrong Nov 14, 2019	Elizabeth Armstrong Nov 14, 2019
601-T	Updated BPA Content from "prohibited" to 0.1 ppm	Charlene Swanson December 2019	Charlene Swanson December 2019

601-U	Updated adult tracking label to be pass/fail requirement, updated contact information in adult tracking label, and added Children Article Intended to be Assembled by Adult test.	Charlene Swanson Sept 2020	Charlene Swanson Sept 2020
601-V	Added adult assembly instructions	Elizabeth Armstrong Sept 18, 2020	Elizabeth Armstrong September 18, 2020
601-W	Updated test method for adult as`	Elizabeth Armstrong Sept 23, 2020	Elizabeth Armstrong Sept 23, 2020
601-X	Updated Hangtag requirements, excluding footwear	Kevin Makocy May 9, 2022	Kevin Makocy May 9, 2022
601-Y	Updated Hangtag requirements, noting to work with QA/PI if combination is used with warning	Charlene Swanson Sept 2022	Charlene Swanson Sept 2022
601-Z	Added MN Law test line for lead and cadmium requirements	Elizabeth Armstrong Nov 2023	Elizabeth Armstrong Nov 2023
601-ZA	Removed year from F963 test lines, updated emai address under adult tracking label	Charlene Swanson February 2024	Charlene Swanson February 2024
601-ZB	Updated MN Law to include exemptions	Elizabeth Armstrong March 2024	