
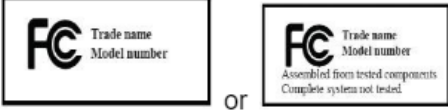


PROTOCOL 603-I

SAFETY SUPPLEMENT TOYS CHILDREN PRODUCTS HAVING ELECTRICALLY OPERATED PARTS

Performance Test	Test Method	Samples	Test Principle/Requirements	Rating (Section or exec. Summary which failed items can be referenced)
LABELING				
Battery - Operated Toys	ASTM F963 Section 6.5	All Samples	Toys use more than one battery to power an electric circuit shall be labeled: Do Not Mix Old And New Batteries Do not mix alkaline, standard (carbon-zinc), or rechargeable batteries.	
	ASTM F963 Section 5.15	All Samples	Toys with non-replaceable batteries that are accessible with the use of a coin or common household tools shall bear a statement that the battery is not replaceable.	
Battery - Operated Toys - Compartment Markings	ASTM F963 Section 4.25.1	All Samples	Shall be permanently marked to show the correct battery polarity, size and voltage.	
Button or Coin Cell Batteries Applicable to replaceable button or coin cell batteries that are 1.5 volts or greater, , and are greater than 15 mm in diameter and fit within the small parts cylinder.	ASTM F963 Section 5.15	All Samples	Instructions : The labeling shall consist of the alert symbol followed by the signal word "WARNING" and contain, at a minimum, the following text or equivalent text which clearly conveys the same information: "This product contains a Button or Coin Cell Battery. A swallowed Button or Coin Cell Battery can cause internal chemical burns in as little as two hours and lead to death. Dispose of used batteries immediately. Keep new and used batteries away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention."	
Energy Efficiency Labeling	California Energy Commission CEC-400 / Visual Check	All Samples	The transformer shall meet the Level IV requirement of the regulation and must be permanently and legibly marked with the Roman numeral (with font Times Roman) for Level IV compliance: 	
Energy Efficiency Labeling	California Energy Commission CEC-400 / Visual Check	All Samples	The battery charger system shall meet the requirement of the regulation and must be permanently and legibly marked with a "BC" inside a circle and affixed to: The product nameplate that houses the battery charging terminal or; The retail packaging and, if included, the cover page of the instructions. If in form of labeling, the mark shall in contrast with the background where it is marked (no requirement if by moulding). No size requirement as long as it is legible. [Vendor shall submit valid test report for the item showing compliance]	

FCC Labeling	47 CFR 15.19(a) Visual Check	All Samples	<p>(A) Receivers associated with the operation of a licensed radio service, e.g., FM broadcast under part 73 of this chapter, land mobile operation under part 90, etc., shall bear the following statement in a conspicuous location on the device: This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. A stand-alone cable input selector switch, shall bear the following statement in a conspicuous location on the device: This device is verified to comply with part 15 of the FCC Rules for use with cable television service.</p> <p>(B) All other (class B) devices shall bear the following statement in a conspicuous location on the device: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p> <p>(C) Grantee and FCC ID must bear on both instruction and product which subjected in certification</p> <p>(D) Products subject to authorization under a Declaration of Conformity shall be labelled as follows:</p> <div style="text-align: center;">  <p>The image shows two examples of FCC labeling. The first is a rectangular box containing the FCC logo, the trade name, and the model number. The second is a similar box but with the text 'Assembled from tested components' and 'Complete systems not tested' below the model number. The two examples are separated by the word 'or'.</p> </div>
FCC Information to user	47 CFR 15.21 & 47 CFR 15.105 Visual Check in the user manual or instruction sheet	All Samples	<p>For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:</p> <p>NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:</p> <ul style="list-style-type: none"> —Reorient or relocate the receiving antenna. —Increase the separation between the equipment and receiver. —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. —Consult the dealer or an experienced radio /TV technician for help.
REGULATORY REQUIREMENTS			
*ASTM F963 B/O toys	ASTM F963	1 Sample	Samples shall meet the safety requirement as specified in ASTM F963.
UL Testing (For electrically operated product)	UL Standard	All Samples	Item will be audited to verify compliance with the selected sections of the applicable and/or labeled UL standard. It is the vendor's responsibility for the conformity of this
*16 CFR 1505 Electrically operated toys – doc review (if applicable)	ASTM F963 / 16 CFR 1505	All Samples	Toys operating from nominal 120-V branch circuits shall conform to the requirements of 16 CFR 1505.
California Energy Commission - Appliance Efficiency Regulations - Document Review	California Energy Commission CEC-400 / Visual Check	All Samples	See scope covered under California Energy Commission - Appliance Efficiency Regulations (CEC-400) for the concerned appliances. Product labeling shall be evaluated for compliance to
*FCC Part 15 - Electric Toy	FCC Part 15 - Electric Toy	1 Sample	Shall meet the requirements specified in the standard.

*FCC Parts 15 – 27 (26.96 – 27.28) MHz Radio Controlled Toys	FCC Parts 15 – 27 (26.96 – 27.28) MHz Radio Controlled Toys	1 Sample	For the frequency of RC products meet the scope of these requirements. Shall meet the requirements specified in the standard.
*FCC Parts 15 – 49 (49.82 – 49.90) MHz Radio Controlled Toys	FCC Parts 15 – 49 (49.82 – 49.90) MHz Radio Controlled Toys	1 Sample	In lieu of testing, test report can be submitted if dated within two years.
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 by adult only

ANALYTICAL

*Mercury Content Applicable to Batteries	Acid digestion / AAS	1 Sample	US Mercury-Containing Battery Management Act Public Law No 104-142 (1996) For alkaline manganese button cell: 25 mg/cell For battery except alkaline manganese button cell: Absent
*Mercury Content Applicable to Button cells	Acid digestion / AAS	1 Sample	Various US State Laws (Connecticut, Maine, and Rhode Island) Prohibited (SGS detection limit = 1 mg/kg)
*Magnets	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

ADDITIONAL NOTE:

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

PROTOCOL VERSION	DESCRIPTION OF CHANGE	Revised By	Approved By
603-A	Initial Release	Viesent Che Nov 5, 2013	Ro Jain Feb. 10, 2014
603-B	Add Magnet test requirement	Quincy Chan Feb 2, 2015	Jeetendra Shelatkar Feb 2, 2015
603-C	Update of ASTM-F963-16	Ken Tsai Feb 6,2017	Elizabeth Armstrong Feb 13, 2017
603-D	Remove of 16 CFR 1240 Add Magnet requirement with reference to ASTM-F963	Ken Tsai Jun 5,2017	Elizabeth Armstrong June 9, 2017
603-E	Update of ASTM-F963-17	Ken Tsai Feb 9,2018	Elizabeth Armstrong Feb 23, 2018
603-F	Added adult assembly requirements	Elizabeth Armstrong Sept 18, 2020	Elizabeth Armstrong Sept 18, 2020
603-G	Updated adult assembly test method	Elizabeth Armstrong Sept 23, 2020	Elizabeth Armstrong Sept 23, 2020
603-H	Transferred from word to google sheets	Violet Nelson June 2023	Violet Nelson June 2023
603-I	Removed year from ASTM F963 methods	Charlene Swanson February 2024	Charlene Swanson February 2024