



## Redemption Plus Standard Product Requirement

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Approved by:

<b>Category:</b>	Basic
<b>Item:</b>	Toy: 3+
<b>Country:</b>	UNITED STATES
<b>Sample Requirements:</b>	12

### Hazardous Conditions Safety Test Before and After Use & Abuse Testing

Test Property	Test Method	No. Of Samples	Product Requirement
Small Parts: 3-6 Years	16 CFR 1500.19, 16 CFR 1501, & ASTM F963, Sec. 4.6.3 & 5.11.2 Year: 2008	All	Small parts are allowed for children over 3 years of age as received or after use and abuse testing. Any toy or game intended for children between the ages of 3-6 years with small parts (as received) shall be labeled in accordance with 16 CFR 1500.19/ASTM F 963.
Sharp Edges: 3-8 Years	16 CFR 1500.49 & ASTM F963, Sec. 4.7 & 5.10 Edition: 2008	All	Products intended for use by children under 96 months must not have accessible, potentially hazardous sharp edges before and after appropriate use and abuse testing. Toys containing potentially hazardous edges that are a necessary part of the function of the toy shall carry cautionary labeling if the toy is intended for use by children 48 to 96 months (4 to 8 years). Toys intended for children aged less than 48 months shall not have accessible hazardous functional sharp edges.
Sharp Points: 3-8 Years	16 CFR 1500.48 & ASTM F963, Sec. 4.9 & 5.10 Edition: 2008 (Modified)	All	Products intended for use by children under 96 months must not have accessible, potentially hazardous sharp points before and after appropriate use and abuse testing. Toys containing an accessible, potentially hazardous sharp point that is a necessary function of the toy shall carry cautionary labeling if the toy is intended for use by children 48 to 96 months (4 to 8 years). Toys intended for children aged less than 48 months shall not have accessible hazardous functional points.
Functional Sharp Points & Edges: 4-8 Years	16 CFR 1500.48 & 49 & ASTM F963 4.7.2, 4.9.2, 5.10 Edition: 2008	All	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 stating that a sharp edge or sharp point, or both, exists.

### Mechanical

Test Property	Test Method	No. Of Samples	Product Requirement
Packaging Film	ASTM F963, Sec. 4.12 & 8.21 Year: 2008	1	Flexible plastic film bags and flexible plastic sheets used as packaging materials for shelf packages or used with toys shall be at least 0.00150 in. (0.03810 mm) in nominal thickness, but the actual thickness shall never be less than 0.00125 in. (0.03175 mm). Alternatively, sheeting with an average thickness of less than 0.00150 in. (0.03810 mm) shall be perforated with defined holes so that a minimum of 1% of the area has been removed over any area of 1.18 x 1.18 in. (30 x 30 mm). This requirement does not apply to shrink film in the form of an over wrap that would normally be destroyed when the package is opened by a consumer. This requirement does not apply to bags or plastic film with a minor dimension of 3.94 in. (100 mm) or less. Bag dimensions shall be measured while in the form of a bag, not cut open into a single thickness sheet.
Impact Test: 3+	16 CFR 1500.53 & ASTM F963, Sec. 8.7 Year: 2008	1	No potentially hazardous conditions (sharp points or sharp edges) shall be detected after product is dropped four times from a height of 3 feet ±0.5 inch (0.92 meter) onto a type IV vinyl tile-covered concrete floor. The toy, or other article intended for use by children, shall be dropped in random orientation. After each drop, the test sample shall be allowed to come to rest and shall be examined and evaluated before continuing.
Torque Test: 3+	16 CFR 1500.53 & ASTM F963, Sec. 8.8 Year: 2008	1	A toy with a projection, part, or assembly that a child can grasp with at least the thumb and forefinger or the teeth shall be subject to this test.  No potentially hazardous conditions (sharp points or sharp edges) shall be detected after applying a torque of 4 ± 0.2in.-lbf. (0.45 N-m) for ten seconds or 180 degrees in each direction.
Tension Test: 3+	16 CFR 1500.53 & ASTM F963, Sec. 8.9 Year: 2008	1	Any projection of a toy that the child can grasp with at least the thumb and forefinger or the teeth shall be subject to this test.  No potentially hazardous conditions (sharp points or sharp edges) shall be detected after applying a tension load of 15 ± 0.5 lbf. (66.8 N) for ten seconds in both parallel and perpendicular directions.
Bite Test: 3+	16 CFR 1500.53 (Modified)	1	Toys and other articles intended for use by children that are intended for mouth: Mouth intended toys' graspable components shall be tested at 100 pounds ±0.5 pound

			(45.50 kilograms) evenly applied within 5 seconds and maintained for an additional 10 seconds. No potentially hazardous conditions (sharp points, sharp edges, or small parts) shall be detected.  Modification: STR will report all hazardous conditions (sharp points, sharp edges or small parts) as a result of the bite test as a failure.
Compression Test: 3+	16 CFR 1500.53 & ASTM F963, Sec. 8.10 Year: 2008	1	Any area on the surface of a toy that is accessible to a child and inaccessible to flat surface contact during the impact test shall be subject to this test. No potentially hazardous conditions (sharp points or sharp edges) shall be detected after applying a direct force of $30 \pm 0.5$ lbf. (133.5 N) for ten seconds. As applicable.

**Chemical/Analytical**


<b>Test Property</b>	<b>Test Method</b>	<b>No. Of Samples</b>	<b>Product Requirement</b>
Soluble Migrated Elements & Lead Containing Paint/Surface Coating	16 CFR 1303 & ASTM F963, Sec. 4.3.5 Edition: 2008	As Required	The presence of the following heavy metals in surface coating of sample shall not exceed the following: Soluble Antimony (Sb): 60 ppm Soluble Arsenic (As): 25 ppm Soluble Barium (Ba): 1000 ppm Soluble Cadmium (Cd): 75 ppm Soluble Chromium (Cr): 60 ppm Soluble Lead (Pb): 90 ppm Total Lead (Pb): 90 ppm Soluble Mercury (Hg): 60 ppm Soluble Selenium (Se): 500 ppm NOTE: Individual States may have additional requirements regarding the presence of heavy metals in consumer products; this section relates only to the regulations listed above, and is not intended to represent compliance with any individual state regulation.
CPSIA Lead in Accessible Substrate Material	Microwave Digestion Method	1	= or < 100 ppm
CPSIA and California Prohibitions of Phthalates in Toys and Child Care Articles	Cpsc-CH-C1001-09.2 Year: 2009	1	Permanent ban: Children's toys or child care articles that contain concentrations of more than 0.1 percent of DEHP, DBP, or BBP are banned, effective Feb. 10, 2009.  Interim ban: Children's toys that can be placed in a child's mouth or child care articles that contain concentrations of more than 0.1 percent of DINP, DIDP, or DnOP are banned for an interim period (pending an investigation by the chronic hazard advisory panel), effective Feb. 10, 2009, and until a final rule is promulgated by the CPSC.  Children's toy means a consumer product designed or intended by the manufacturer for a child 12 years of age or younger for use by the child when the child plays.  Child care article means a consumer product designed or intended to facilitate sleep or the feeding of children age 3 and younger, or to help such children with sucking or teething.  Toy that can be placed in a child's mouth is one in which any part of the toy can actually be brought to the mouth and kept in the mouth by a child so that it can be sucked and chewed. If the children's product can only be licked, it is not regarded as able to be placed in the mouth. If a toy or part of a toy in one dimension is smaller than 5 cm, it can be placed in the mouth. Decorative room accessories do not need to be tested unless they have play value. Please note that the State of California will enforce its ban starting on January 1, 2009. The California law varies from CPSIA in several subtle ways: California defines child care article as all products designed or intended by the manufacturer to facilitate sleep, relaxation, or the feeding of children, or to help children with sucking or teething. CPSIA omits the term relaxation and limits child care articles to those intended for children age three and younger. California's definitions of child care articles and children do not contain age limitations. CPSIA restrictions on DINP, DIDP and DnOP apply to toys that can be placed in the mouth and child care articles (regardless of whether the child care articles can be placed in the mouth). California restrictions on DINP, DIDP and DnOP apply only to toys and child care articles that can be placed in the mouth. California also provides no definition of what can be placed in a child's mouth, while CPSIA does.






CPSIA Public Law 110-314				
Phthalate	Maximum Limit*	Ban	Restricted Product	Effective Date
DEHP	0.10%	Permanent	1) Any toy for children 12 years or younger. 2) Child care article means a consumer product designed or intended to facilitate sleep or the feeding of children age 3 and younger, or to help such children with sucking or teething.	Product made on or after February 10, 2009
DBP	0.10%	Permanent		
BBP	0.10%	Permanent		
DINP	0.10%	Interim	1) Any toy that can be placed in a child's mouth is one in which any part of the toy can actually be brought to the mouth and kept in the mouth by a child so that it can be sucked and chewed. If the children's product can only be licked, it is not regarded as able to be placed in the mouth. If a toy or part of a toy in one dimension is smaller than 5 cm, it can be placed in the mouth. 2) Any child care article, as defined above.	Product made on or after February 10, 2009
DIDP	0.10%	Interim		
DnOP	0.10%	Interim		
*The limit is for each phthalate, not a combined total.				
Decorative room accessories do not need to be tested unless they have play value.				
California Health & Safety Code, Division 104, Part 3 Product Safety, Chapter 11, Sec. 108935-108939				
Phthalate	Maximum Limit*	Ban	Restricted Product	Effective Date
DEHP	0.10%	Permanent	1) Any toy (no age specified). 2) Any child care article, defined as a product designed or intended to facilitate sleep, relaxation or the feeding of children, or to help children with sucking or teething (no age specified).	January 1, 2009
DBP	0.10%	Permanent		
BBP	0.10%	Permanent		
DINP	0.10%	Permanent	Any toy or child care article intended for use by a child under three years of age if that product can be placed in the child's mouth.	January 1, 2009
DIDP	0.10%	Permanent		
DnOP	0.10%	Permanent		
*The limit is for each phthalate, not a combined total.				
Toxics in Packaging	<a href="#">State Legislation (Modified)</a> Year: 2008	1	Lead, mercury, cadmium and hexavalent chromium that can be found in any package or packaging components, including inks or labels, must be less than 100 ppm (0.01%).* For recycled materials, the limit for the sum of the four regulated metals is 200 ppm.* Modification: Three composites are performed: 1) one composite on paper/board components 2) one composite on plastic packaging 3) one composite on metal components  *Written confirmation of compliance can be accepted in lieu of testing.	

### Flammability

Test Property	Test Method	No. Of Samples	Product Requirement
Flammability of Solids: Toys & Products for Children	16 CFR 1500.44, ASTM F963, Sec. 4.2 & Annexes A4.6 & A5 Edition: 2008 (Modified)	4	<p>A product is considered to be a flammable solid if it ignites and burns along its major axis with a self-sustaining flame at a rate greater than 0.1 in./s (2.5 mm/s).</p> <p>1) If the burn rate of all samples is less than 0.1 in./s (2.5 mm/s), accept.</p> <p>2) If the burn rate of all samples is greater than 0.1 in./s (2.5 mm/s) but less than 0.15 in./s (3.75 mm/s), accept and consider further investigation for action to improve performance.</p> <p>3) If the burn rate of one of the samples is 0.15 in./s (3.75 mm/s) or greater, reject and repeat the test with four additional samples (one time only). If the burn rate of any of the retested samples is 0.15 in./s or greater, reject.</p> <p>4) If the burn rate of more than one of the initial 4 samples is 0.15 in./s (3.75 mm/s) or greater, reject.</p> <p>A procedure for testing the flammability of fabrics is contained in Annex A5.</p> <p>Modification: Per ASTM F963-07, Annex 4 strings, paper, packaging materials and ping pong balls will not be tested for flammability. Unless otherwise required by the customer, STR does not perform this flammability test on ceramic items. STR will recommend testing on ceramic items if any decorations or attachments have not been fired on.</p> <p>Report failure burn rate.</p>

### Labeling

Test Property	Test Method	No. Of Samples	Product Requirement
CPSIA Tracking Labels for Childrens Products	Visual Inspection	1	<p>Effective August 14, 2009, the manufacturer of a children's product primarily intended for children twelve and younger shall place permanent, distinguishing marks on the product and its packaging, to the extent practicable. It may not be practical for permanent distinguishing marks to be printed on small toys and other small products that are manufactured and shipped without individual packaging. The CPSC may, in appropriate cases, permit the required information to be coded.</p> <p>The manufacturer shall be able to ascertain the location and date of production of the product, cohort information (including the batch, run number, or other identifying characteristic), and any other information determined by the manufacturer to facilitate ascertaining the specific source of the product by reference to those marks.</p> <p>The ultimate purchaser shall be able to ascertain the manufacturer or private labeler, location and date of production of the product, and cohort information (including the batch, run number, or other identifying characteristic).</p> <p>Section 103 applies to all children's products, including, but not limited to, items such as clothing or shoes not just toys and other regulated products. Hangtags and adhesive labels cannot be used as tracking labels for textile items, as these markings would not be permanent.</p>
Interpretations of Magnuson-Moss Warranty Act	16 CFR 701	1	<p>Warranties are not required. However, if a warranty is included with the product, the warranty must comply with regulation.</p> <ol style="list-style-type: none"> <li>1. As a warrantor, you must designate, or title, your written warranty as either "full" or "limited."</li> <li>2. As a warrantor, you must state certain specified information about the coverage of your warranty in a single, clear, and easy-to-read document: <ol style="list-style-type: none"> <li>a. What does the warranty cover/not cover?</li> <li>b. What is the period of coverage?</li> <li>c. What will you do to correct problems?</li> <li>d. How can the customer get warranty service?</li> <li>e. How will state law affect your customer's rights under the warranty?</li> </ol> </li> </ol> <p>Acceptable boilerplate for part e: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.</p>
Country of Origin Marking	<a href="#">19 CFR 134.11</a>	All	<p>Every article* of foreign origin (or its container) imported into the United States shall be marked in a conspicuous place as legibly, indelibly, and permanently as the nature of the article (or container) will permit, in such manner as to indicate to an ultimate purchaser in the United States the English name of the country of origin of the article.</p> <p>*Unless exempted from J-List.</p>
Age Grading: Toys	ASTM F963, Sec. 5.2 & Annex A1 Year: 2008	All	<p>Toys should be labeled to indicate the minimum age for intended use or have labeling on any retail packaging. If the toy or toy package is not age labeled in a clear and conspicuous manner, client services will assign appropriate age testing based on the age grading guidelines in Annex 1 of the referenced standard.</p> <p>All products shall be tested according to either the appropriate age grade as determined by STR or the labeled age grade if it is more stringent. In the event the sample is not age labeled, STR will determine the appropriate age grade and test accordingly.</p>
California Proposition 65	<a href="#">Title 27, Article 6, Sec. 25601 California Code of Regulations</a>	None	<p>It is suggested that clients confirm with their vendors that none of the chemicals on the California Proposition 65 list have been intentionally added.</p> <ol style="list-style-type: none"> <li>a) The statute states that no person in the course of doing business shall knowingly and intentionally expose any individual to a chemical known to the state (California) to cause cancer or reproductive toxicity without first giving a clear and reasonable warning.</li> <li>b) OEHHA has established safe harbor levels (levels of exposure that trigger the warning requirement) for some, but not all, listed chemicals. When applicable the consumer product must carry a warning label that must comply with Title 22, Article 6 of the Regulation, Clear and Reasonable Warnings.</li> </ol> <p>Please note: This is for information only; compliance to California Proposition 65 has not been verified unless expressly stated herein.</p>
Safety Labeling, Small Parts: 3 to 6 Years	16 CFR 1500.19 & ASTM F963, Sec. 4.6.3 & 5.11.2 Edition: 2008	All	<p>For toys and games intended for children at least 3 years old but less than 6 years of age, and which contain as received small part(s), the labeling shall read:</p> <div style="text-align: center;">  <p><b>WARNING:</b></p> <p><b>CHOKING HAZARD--Small parts Not for children under 3 yrs.</b></p> </div>
Safety Labeling, Small Ball: 3+	16 CFR 1500.19 & ASTM F963, Sec. 5.11.3 Edition: 2008	All	<p>For any small ball intended for children 3 years of age or older the labeling shall read:</p>

			 <b>WARNING:</b> <b>CHOKING HAZARD--This toy is a small ball.</b> <b>Not for children under 3 yrs.</b>
Safety Labeling, Small Ball Included: 3-8 Years	16 CFR 1500.19 & ASTM F963, Sec. 5.11.3.1 Edition: 2008	All	<p>For any toy or game intended for children who are at least 3 years old but less than 8 years of age that contains a small ball the labeling shall read:</p>  <b>WARNING:</b> <b>CHOKING HAZARD--Toy contains a small ball.</b> <b>Not for children under 3 yrs.</b>
Safety Labeling, Marble: 3+	16 CFR 1500.19 & ASTM F963, Sec. 5.11.4 Edition: 2008	All	<p>For any marble intended for children 3 years of age or older the labeling shall read:</p>  <b>WARNING:</b> <b>CHOKING HAZARD--This toy is a marble.</b> <b>Not for children under 3 yrs.</b>
Safety Labeling, Marble Included: 3-8 Years	16 CFR 1500.19 & ASTM F963, Sec. 5.11.4.1 Edition: 2008	All	<p>For any toy or game intended for children who are at least 3 years old but less than 8 years of age that contains a marble the labeling shall read:</p>  <b>WARNING:</b> <b>CHOKING HAZARD--Toy contains a marble.</b> <b>Not for children under 3 yrs.</b>
Safety Labeling, Balloon	16 CFR 1500.19 & ASTM F963, Sec. 5.11.5 Edition: 2008	All	<p>For any latex balloon or any toy or game that contains a latex balloon, the labeling shall read:</p>  <b>WARNING:</b> <b>CHOKING HAZARD--Children under 8 yrs. can choke or suffocate on uninflated or broken balloons.</b> <b>Adult supervision required.</b>  <b>Keep uninflated balloons from children.</b> <b>Discard broken balloons at once.</b>
Producers Markings	ASTM F963, Sec. 7 Year: 2008	All	<p>Either a principal component of a toy or the package of a toy shall be marked with the name and address of the producer or the distributor. All of these markings shall be legible and so positioned as to be seen easily by the customer and shall resist normal use conditions.</p>
Plastic Bag Suffocation Warning	<a href="#">CPSC Document #5064 &amp; State Laws</a>	All	<p>Plastic bags for products to be sold in the cities of Chicago and New York, and the states of California, New York, Virginia, Massachusetts, and Rhode Island require the following warning on plastic bags with a thickness of less than one mil (1/1000 inch) and an opening size of seven inches or more (5 inches in Rhode Island). It is desirable for all plastic packaging bags to include the CPSC voluntary warning below regardless of point of sale. "WARNING: Keep this bag away from babies and children. Do not use in cribs, beds, carriages, or playpens. The thin film may cling to nose and mouth and prevent breathing." If desired, the Spanish language text of the warning is: "CUIDADO: No deje que bebes o ninos; se acequen a esta caja. No use en cunas, camas, coches y corrales peninos. La tele fina puede pegarse a la nariz y boca y prevenir respire." Additional Text such as "This bag is not a toy" is desirable. Type size of warnings shall be as follows*:  Total length and width of bag 60 inches or more at least 24 point  Total length and width of bag 40-59 inches at least 18 point  Total length and width of bag 30-39 inches at least 14 point  Total length and width of bag less than 30 inches at least 10 point  *Virginia's law is intended for dry cleaning bags only and requires at least 36 point type. States do allow substantially equivalent wording in place of the CPSC warning. STR does not provide legal advice as to acceptable warnings in lieu of the CPSC warning. If the warning is required based on thickness and opening size, but not present, then the test shall be reported as fail. If a warning is present, report the warning listed on the bag and notate if the warning matches the CPSC warning.</p>
Toy Gun Marking	15 CFR 1150, 15 USC Chapter 76 Section 5001, & ASTM F963, Sec. 4.30 & 8.5-8.10	All	<p>This requirement applies to all toy, look-alike, and imitation firearms which have the general appearance, shape, or configuration, or combination thereof, of a firearm. This includes, but is not limited to, nonfunctional guns, water guns, air soft guns, cap guns, light emitting guns, and guns with an opening that eject any nonmetallic projectile. Items subject to this requirement must be marked or manufactured, or both, in any one of</p>

	Edition: 2008		<p>the following ways. The marking must be permanent and must remain in place after being tested in accordance with 8.5-8.10. The word "permanent" excludes the use of ordinary paint or labels for the purposes of this section. The "blaze orange" referred to in this section is Federal Standard 595a. Color 12199.</p> <p>A blaze orange plug, or brighter orange colored plug, affixed into the muzzle end of the barrel as an integral part of the toy. The plug shall not be recessed more than 0.25 in. (6mm) from the muzzle end of the barrel.</p> <p>A blaze orange band, or brighter orange colored band, covering the circumference of the muzzle end of the barrel for a distance of at least 0.25 in. (6mm).</p> <p>Coloration of the entire exterior surface of the toy in white, bright red, bright orange, bright yellow, bright green, bright blue, bright pink, or bright purple, either individually or as the predominant color in combination with any other color in any pattern.</p>
Toy Gun Marking	<a href="#">New York City Administrative Code - The Gun Control Provisions, §10-131 g.1 &amp; 10-134.2</a>	All	<p>It shall be unlawful for any person to sell or offer for sell, possess or use or attempt to use or give away, any toy or imitation firearm which substantially duplicates or can reasonably be perceived to be an actual firearm unless:</p> <p>(a) the entire exterior surface of such toy or imitation firearm is colored white, bright red, bright orange, bright yellow, bright green, bright blue, bright pink or bright purple, either singly or as the predominant color in combination with other colors in any pattern; or</p> <p>(b) such toy or imitation firearm is constructed entirely of transparent or translucent materials which permits unmistakable observation of the imitation or toy firearm's complete contents; and</p> <p>(c) the barrel of such toy or imitation firearm, other than the barrel of any such toy or imitation firearm that is a water gun, is closed with the same material of which the toy or imitation firearm is made for a distance of not less than one-half inch from the front end of said barrel, and;</p> <p>(d) such toy or imitation firearm has legibly stamped thereon, the name of the manufacturer or some trade name, mark or brand by which the manufacturer can be readily identified; and</p> <p>(e) such toy or imitation or firearm does not have attached thereto a laser pointer, as defined in paragraph one of subdivision a of section 10-134.2 of this code.</p>

**Hazardous Conditions Safety Test Before and After Use & Abuse**

Test Property	Test Method	No. Of Samples	Product Requirement
Workmanship: Toys	ASTM F963, Sec. 4.7.3-4.7.5, 4.9.3, 4.11 Year: 2008	1	<p>Accessible metal edges, including holes and slots, shall be free of hazardous burrs and feathering, or shall be hemmed, rolled, or curled, or shall be covered with a permanently affixed device or finish (Sec. 4.7.3).</p> <p>Accessible plastic edges, corners, or mold parting areas shall be free of hazardous edges produced by burrs and flash or so protected that hazardous edges are not exposed (Sec. 4.7.4).</p> <p>For exposed bolts or threaded rods whose ends are accessible, the thread shall be free of exposed, hazardous sharp edges and burrs, or the ends shall be covered by smooth finish caps. (Sec. 4.7.5).</p> <p>Accessible surfaces and edges of wood shall be free of splinters (Sec. 4.9.3).</p> <p>Nails and fasteners shall not present a point, edge, ingestion or projection hazard. Points of nails or fasteners shall not protrude so as to be accessible (Sec. 4.11).</p>

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