

## Test Specification

Product:	CPSIA Supplemental		
Scope:	US Consumer Product Safety Improvement Act 2008 - scope expanded to include children aged under 14 for program alignment and matching with Toy (16001) and Children Products Supplemental (16026) protocols.	Protocol No.	TYCP-00001-US
		Version	1.0
		Issue Date	Sep 02, 2011
		Prepared by	Intertek HK - TFH
		Page	1 of 5

**Instructions to Vendors:**

Dear Valued Vendor:

Product safety is a top priority at Taymark. We, with the assistance of Intertek, a CPSC-accredited third-party testing partner or lab, have identified the various rules and regulations as well as the necessary test requirements that we need to meet in our partnership to sell products in the United States. This has been assembled into our required Test Protocol. Each product that is supplied to us must comply with this Test Protocol and any required associated test protocol(s) identified within it.

You are required by the US Law to verify the products you provide to Taymark (or any other customer marketing to children in the USA) meet the required safety standards. Likewise, Taymark is required by US Law to assure that we have documentation to confirm that you have verified that your products meet the applicable safety standards. Once you have verified that the product(s) you have supplied to us conforms to the corresponding Test Protocol(s), and the testing was conducted within the past twelve (12) months, we ask that the appropriate representative from your company provide Taymark with the proper General Certificate of Conformity ("GCC") and the corresponding documentation that you used to support the GCC, including, where applicable and required, the CPSC-accredited third-party test data. For an example of an acceptable GCC, please go to <http://www.cpsc.gov/about/cpsia/faq/elecfaq.pdf>.

**Key**

†: Any element on the attached form with the following symbol ("†") is a Mandatory Requirement to which the product(s) or components of product(s) you supply to Taymark must conform. You must perform the associated test(s) and provide Taymark with the test data to support the fact that the test(s) was (were) conducted and that the product(s) or components of product(s) meets the described requirements. You are responsible for conducting the mandatory testing, and you are responsible for any expenses incurred as a result of conducting the test(s) (including, without limitation, the costs and expenses associated with providing any samples, testing, reporting, and preparing the General Certificate of Conformity).

\*: The symbol ("\*") on the attached form indicates that additional charges may apply. Taymark's preferred Accredited Third-Party Testing Facility is Intertek. If you choose to use Intertek to conduct the mandatory testing, please reference Taymark and Taylor Corporation when submitting your requests for testing to Intertek as you may be able to take advantage of Taymark and Taylor Corporation's volume discount. You may contact Intertek for a price quote and any additional information they might need in order to conduct the required testing.

Additional Accredited Third-Party Testing facilities can be found at <http://www.cpsc.gov/cgi-bin/labsearch/>.

**Note:**

Where there is no applicable US standard, Intertek has chosen the most relevant International Standard to assess the product safety and performance. For undated references, the latest edition of the referenced document (including any amendments) applies.

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		Page	2 of 5

Attribute	Test Method/Standard	Requirement / Limit
<b>Chemical Analysis</b>		
*† Lead Content of Paints or Similar Surface Coating	Consumer Product Safety Improvement Act of 2008 / 16 CFR 1303	All accessible surface coatings, before and after use and abuse testing, on items intended for children shall not contain lead or lead components in which the lead content is in exceed of <b>0.009% (90ppm)</b> of the weight of the <i>total</i> content.
*† CPSIA Total Lead in Children's Metal Jewelry	Consumer Product Safety Improvement Act of 2008	Any accessible metal component of items intended for children shall not contain lead in excess of <b>0.01% (100ppm)</b> of the weight of the total content.
*† Lead Content of Accessible Component Parts	Consumer Product Safety Improvement Act of 2008 Title I Section 101 (Public Law 110-314)	All accessible substrates, before and after use and abuse testing, on items intended for children shall not contain lead more than <b>0.01% (100ppm)</b> weight of the total content.  <b>Note: The materials list (#) below will be exempted from testing.</b>

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		Page	3 of 5

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<b># Lead Content in Substrate Exemption List:</b>		
<p>a. Accessible electronics:</p> <ul style="list-style-type: none"> <li>• Lead blended into the glass of cathode ray tubes, electronic components and fluorescent tubes</li> <li>• Lead used as an alloying element in steel. (Max. amount of lead &lt; 0.35% by weight)</li> <li>• Lead used in the manufacture of aluminium. (Max. amount of lead &lt; 0.4% by weight)</li> <li>• Lead used in copper-based alloys. (Max. amount of lead &lt; 4% by weight)</li> <li>• Lead used in lead-bronze bearing shells and bushings</li> <li>• Lead used in compliant pin connector systems</li> <li>• Lead used in optical and filter glass</li> <li>• Lead oxide in plasma display panels (PDP) and surface conduction electron emitter displays (SED) used in structural elements; notably in the front and rear glass dielectric layer, the bus electrode, the black stripe, the address electrode, the barrier ribs, the seal frit and frit ring as well as in print pastes.</li> <li>• Lead oxide in the glass envelope of Black Light Blue (BLB) lamps</li> </ul> <p>b. Spare parts or other removable components (such as battery packs and light bulbs) shall be considered inaccessible provided that lead containing component is inaccessible when the product is assembled in functional form or in the criteria for exemption.</p> <p>c. Precious gemstones: diamond, ruby, sapphire, emerald</p> <p>d. Certain semiprecious gemstones provided that the mineral or material is not based on lead or lead compounds, this <b>does not</b> include materials such as, aragonite, bayldonite, boledite, cerussite, crocoite, galena, linarite, mimetite, phosgenite, vanadinite and wulfenite as these are known to contain lead.</p> <p>e. Natural or cultured pearls</p> <p>f. Wood</p> <p>g. Paper and similar materials made from wood or other cellulosic fiber</p> <p>h. Printing inks that use the CMYK process (excluding spot colors, other inks that are not used in CMYK process, inks that do not become part of the substrate under 16 CFR part 1303, and inks used in after-treatment applications, including screen prints, transfers, decals, or other prints)</p> <p>i. Textiles (natural and manufactured, dyed and undyed) excluding after-treatments applications</p> <p>j. Other plant-derived and animal-derived materials, including animal glue, bee's wax, seeds, nut shells, flowers, bones, sea shells. Coral, amber, feathers, fur, and leather</p> <p>k. Certain metals and alloys that contain no lead or lead-containing metals intentionally added like surgical steel; stainless steel within UNS S13800 - S66286, excluding 303Pb (UNS S30360); and precious metals like gold, sterling silver, platinum, palladium, rhodium, osmium, iridium, ruthenium, titanium. It does not extend to the non-steel or non-precious metal components of a product such as solder or base materials in electroplate, clad or fill applications.</p> <p>l. Until May 1, 2011, a SOE shall apply to the following parts for Youth Motorized Recreational Vehicles:</p> <ul style="list-style-type: none"> <li>• battery terminals containing up to 100% lead</li> <li>• components made with metal alloys, including</li> <li>• steel containing up to 0.35% lead,</li> <li>• aluminium with up to 0.4 % lead,</li> <li>• copper with up to 4.0 % lead</li> </ul> <p>m. Until July 1, 2011, a SOE shall apply to the following parts of bicycles, jogger strollers, and bicycle trailers:</p> <ul style="list-style-type: none"> <li>• components made with metal alloys, including</li> <li>• steel containing up to 0.35% lead,</li> <li>• aluminium with up to 0.4 % lead,</li> <li>• Copper with up to 4.0 % lead</li> </ul>		

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		Page	4 of 5

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*† Phthalates (CPSIA)	Consumer Product Safety Improvement Act of 2008	<p>Children's Toy or Child care article shall contain the following phthalates in concentrations below 0.1%:</p> <p>DEHP : Di (2-Ethylhexyl) Phthalate DBP : Dibutyl Phthalate BBP : Benzyl Butyl Phthalate</p> <p>In addition, Children's Toy that can be placed in a child's mouth or Child care article shall contain the following phthalates in concentrations below 0.1%:</p> <p>DINP : Diisononyl Phthalate DIDP : Di-isodecyl Phthalate DNOP : Di-n-octyl Phthalate</p> <p>(More explanation **)</p>

**\*\* Explanations to CPSIA Phthalate requirements**

For the purpose of this ban:

**"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 by the manufacturer to facilitate sleep, relaxation or the feeding of a child 3 years of age or younger or to help such children with sucking or teething.

**"Can be placed in a child's mouth"** means if 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 or chewed. If the product can only be licked, it is not regarded as able to be placed in mouth. If a toy or part of a toy in one dimension is smaller than 5cm, it can be placed in the mouth.

Actual testing would be conducted on the following accessible plastic materials only, vendor shall be responsible for the compliance of other materials:

- A. Polyvinyl Chloride (PVC)
- B. Polyvinylidene Chloride (PVDC)
- C. Polyvinyl Acetate (PVAc)
- D. Polyurethane (PU)
- E. Ethylene Propylene Diene Monomer Rubber (EPDM)
- F. Ethylene Vinyl Acetate (EVA)
- G. Nitrocellulose
- H. Natural and Synthetic Rubber
- I. Chlorinated Rubber
- J. Silicone
- K. Polyphenylene Sulfide

**Labelling Requirement**

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		Page	5 of 5

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*† Tracking Label	Consumer Product Safety Improvement Act of 2008	<p>A permanent and distinguishing mark on the product and its packaging, to the extent practicable, enabling the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.</p> <p>Verified the presence only. The accuracy of tracking label will not be verified. Manufacturer or Private Labeler name can not be coded.</p> <p>The CPSC has not issued implementing guidance as to the size, location and format of the tracking label. However, the requirement to provide tracking information is mandatory regardless of whether the CPSC provides such guidance after the effective date.</p>

**Remark:** Additional tests may be incurred subject to the final samples reviewed by Intertek.