

## TEST SPECIFICATION

Product:	Shoe Laces		
Scope:	Shoelaces	Protocol No.	TYCP-24610-US
		Version	1.0
		Issue Date	Sep 26, 2011
		Prepared by	Dongmei Zhang
		Page	1 of 3

**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 3

Attribute	Test Method/Standard	Requirement / Limit
<b>Supplemental Protocol</b>		
*† CA Prop 65 (Mandatory in state California)	Intertek Protocol	Consent Judgment of related court cases based on California Proposition 65.  See <a href="http://oehha.ca.gov/prop65.html">http://oehha.ca.gov/prop65.html</a>
*† CPSIA Supplemental	TYCP-00001-US	Shall comply with the applicable requirements.  See CPSIA Supplemental Protocol posted at <a href="http://www.taymarkinc.com">http://www.taymarkinc.com</a> .
*† Children's Products (Non-toy)	TYCP-16026-US	Shall comply with the applicable requirements.  See Children's Products (Non-toy) Protocol posted at <a href="http://www.taymarkinc.com">http://www.taymarkinc.com</a> .
Note: Additional cost, sample size & TAT may be required if testing to 1 or more supplemental protocol is necessary. Please refer to the above referenced supplemental protocol(s) for additional information.		
<b>Chemical Analysis</b>		
*† Lead Content in Paint and Similar Surface Coating	16 CFR 1303 (Scope Widened)	Shall not contain Lead or Lead compounds in which the Lead content is in excess of 90ppm by weight of the total content
*† Toxic elements in Packaging material (if applicable)	Model Toxics in Packaging Legislation / State Legislation	The sum of Cadmium, Hexavalent Chromium, Lead and Mercury in package or packaging component shall be less than 100 ppm by weight.
* Nickel Release (for metal components)	EN 1811 / EN 12472	The rate of nickel release from the parts of these products coming into direct and prolonged contact with the skin should be less than 0.5µg/cm <sup>2</sup> /week.
<b>Physical Characteristics</b>		
* Fiber Analysis (if claimed)	AATCC 20/20A	Single fiber: No tolerance Blended fiber: +/- 3%
Product dimensions	Standard Measurement	Report actual; or +/-5% from label claims if applicable
<b>Construction &amp; Workmanship</b>		
Workmanship	ASTM D 3990 Visual check	No Major Defects - Shall Demonstrate Good, Even Construction, With No Sharp Edges, Sharp Points, Discoloration, Fabric Defects Or Seam Openings
<b>Performance Test</b>		
Tensile Strength (dry and wet)	ASTM D 5034 (mod)	Dry strength: 50 lbs min Wet strength: 40 lbs min
Lace Durability	ASTM D3885 (mod)	Cotton >=100cycles Others >=500cycles
* Attachment Strength of shoe Lace Tag	ASTM D1683 (mod)	Report actual.
*Resistance To Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change. Modification = 1% salt (fog) spray.
<b>Colourfastness</b>		
Colourfastness To Light	AATCC 16 (20 AFU)	Grade 3.5 min

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		Page	3 of 3

Attribute	Test Method/Standard	Requirement / Limit
*Colourfastness to Crocking (exclude white colour)	AATCC 8 / 116	Dry: Grade 3.5 min Wet: Grade 3.0 min
*Colourfastness to Water (exclude white colour)	AATCC 107	Colour Change: Grade 3.5 min Colour Stain: Grade 3.0 min

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