



## TEST SPECIFICATION

|          |   |              |                   |
|----------|---|--------------|-------------------|
| Product: | Pencil  |              |                   |
| Scope:   | All pencils including wooden pencils, and mechanical pencils. | Protocol No. | TYCP-04011-US     |
|          |   | Version      | 1.0               |
|          |   | Issue Date   | Sep 26, 2011      |
|          |   | Prepared by  | Intertek HK - TFH |
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### 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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| Attribute  | Test Method / Standard   | Requirement / Limit  | Result |
|--|--|--|--------|
| <b>Supplemental Protocol(s)</b>                      |  |  |        |
| †* CA Prop 65<br>(mandatory in state California, US) | Intertek Protocol  | Consent Judgment of related court cases based on California Proposition 65.<br><br>See <a href="http://oehha.ca.gov/prop65.html">http://oehha.ca.gov/prop65.html</a>   |        |
| * CPSIA Supplemental<br>(For Children Product)       | TYCP-00001-US  | Shall review against the CPSIA Supplemental and shall comply with all applicable requirements.<br><br>See CPSIA Supplemental Protocol posted at <a href="http://www.taymarkinc.com">http://www.taymarkinc.com</a> .                |        |
| <b>Chemical Analysis</b>                             |  |  |        |
| *†Lead Content of Accessible Component Part          | Consumer Product Safety Improvement Act of 2008<br>Title I Section 101<br>(Public Law 110-314) | Any part of the product shall not contain more lead than 0.01% (100ppm) (total lead content by weight).  |        |
| *Lead Content of Paints or Similar Surface Coating   | 16 CFR 1303<br>(scope widened)   | Shall not contain Lead or Lead compounds in which the Lead content is in excess of 0.009% by weight of the total content (90ppm).  |        |
| *†Toxic Elements in Packaging Components             | TPCH   | Shall comply with TPCH in those states with legislation. Total concentration of Pb, Cd, Hg and hexavalent Cr ≤ 100ppm.<br><b>In lieu of testing, certificate of compliance may be submitted if dated within one year.</b>          |        |
| <b>Physical Characteristic</b>                       |  |  |        |
| Total Length (In.)                                   | ITS-M0059  | Report length, shall meet the label claims (If applicable)   |        |
| Total Diameter (In.)/<br>Width across flat (in.)     | ITS-M0059  | Report actual;<br>Shall meet the label claims (If applicable)  |        |
| Average Total Weight (Gms)                           | ITS-M0059  | Report weight, shall meet the label claims (If applicable)   |        |
| Eraser Length (In.)                                  | ITS-M0059  | Report length, shall meet the label claims (If applicable)   |        |
| <b>For Mechanical Pencil</b>                         |  |  |        |
| Lead Diameter (mm)                                   | ITS-M0059  | Report diameter, shall meet the label claims (If applicable)   |        |
| <b>Construction &amp; Workmanship</b>                |  |  |        |
| Sharp Points / Edges                                 | 16 CFR 1500.48/1500.49<br>(Scope widened)  | Shall have no sharp points/edges, other than those required for function.  |        |
| Defects  | Visual Check   | Shall have no discernible surface degradation, including crazing, shivering, denting, bubbles, cracks, stains, deformations, chips, fractures, heavy lines, waves, shear marks, scratches, scuff marks, indentations, or blisters. |        |

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| Workmanship   | Visual Check                             | Shall have no components missing, malformed, and/or fractured.   |        |
| <b>Performance</b>  |  |  |        |
| Functionality   | ITS-M0061                                | Shall function as intended as received   |        |
| Writing Performance   | ITS-M0061                                | Lead shall remain secure and not fracture under reasonable pressure  |        |
| Eraser Performance (If applicable)                          | ITS-M0061                                | shall not discolor or tear paper under reasonable pressure and remain secure in holder   |        |
| Erasure Attachment  | ITS-M0061                                | Shall remain secure after 100 strokes  |        |
| Drop Test (If applicable)                                   | ASTM F963 Section 8.7.1 (Modified)       | No breakage or separation - 3 drops from 3 feet on vinyl floor   |        |
| * Effects of Extreme Temperature & Humidity (if applicable) | ITS-M0007                                | Shall perform as intended after exposure to 120°F / 95%RH for 24 hours - No failure or visual change.  |        |
| * Transit Testing (By request only)                         | ISTA Procedure as Appropriate to Package | Packaged product shall be tested to applicable ISTA procedure and method, based on package configuration. Inspect package and product for damage upon completion of test. Report results |        |
| <b>For Wooden Pencil</b>                                    |  |  |        |
| Flammability  | 16 CFR 1500.3(c)(6)(vi) & 16 CFR 1500.44 | Shall not exceed 0.1 inch per second   |        |
| Write out / Marking   | ITS-M0061                                | Shall have no defects with minimal clumping.   |        |
| Sharpening Test   | ITS-M0061                                | Shall be free of defects lead, centered and free of fractures  |        |
| * Moisture Content (solid wood only)                        | ITS-M0054                                | Shall be between 8% - 12%.   |        |
| <b>For Mechanical Pencil</b>                                |  |  |        |
| Lead Performance  | Actual Use                               | Must provide smooth application during writing with good coloration and no excess dust or graphite. Verify that lead did not crumble or break during normal use test.                    |        |
| Lead Feeder   | ITS-M0061                                | Shall advance lead uniformly and effectively. Shall function smoothly after 100 cycles.  |        |
| Ease of Lead Replacement                                    | ITS-M0061                                | Perform 5 cycles. Shall be effective and stay secure. Report any difficulty and need for instructions.   |        |
| Pocket Clip Function  | ITS-M0061                                | Shall clip on tightly after 100 uses onto shirt pocket   |        |
| <b>Labeling</b>   |  |  |        |
| †One Time Use Products                                      | F.P. & L. Act (16 CFR 500) OR            | Manufacturer, packer, or distributor's name & address (City, state & zip).   |        |
| Fair Packaging and Labeling Act OR                          |  | Product identification.  |        |

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| †All Other Products<br>Uniform Packaging and<br>Labeling Regulations | NIST Uniform Laws and<br>Regulations Handbook 130 | Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison (U.S. and metric units).                           |        |
| †Country of Origin Marking   | 19 CFR 134.11                                     | Shall indicate country of origin legibly, permanently, and in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Shall be visible at point of purchase. |        |
| Parts Labeling   | Visual Check                                      | Shall match the actual content if present.   |        |
| Use Labeling   | ITS-M0060   | Use/care instructions that are clear and understandable shall be provided in language appropriate to destination countries.  |        |
| Verify Label claims  | ITS-M0060   | Must comply with all claims  |        |
| Instructions   | ITS-M0060   | Shall provide an easy understandable instructions regarding assembly, use and maintenance  |        |

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