

## Test Specification

Product:	Decoration		
Scope:	Objects (included food-contact objects) intended for decorative purposes only (battery not included), i.e. cake tops, adornments.	Protocol No.	TYCP-01007-US
		Version	1.0
		Issue Date	19 Sep, 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 (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>	
<i>Note: Additional cost, sample size &amp; TAT may be required if testing to one or more supplemental protocols is necessary. Please refer to the above referenced supplemental protocol(s) for additional information.</i>			
<b>Chemical Analysis</b>			
*Lead Content of Paints or Similar Surface Coating	16 CFR 1303 (scope widened)	Shall not contain Lead or Lead compounds in which the Lead content is in excess of 0.009% (90ppm) by weight of the total content.	
*†Extractable Cadmium & Lead from Interior of Product (food-contact only) (if applicable)	FDA CPG 7117.06 + 7117.07	Cd: 0.25 ppm (Large Hollowware / Pitchers) 0.5 ppm (Small Hollowware / Cups / Mugs) 0.5 ppm (Flatware) Pb: 1.0 ppm (Large Hollowware) 2.0 ppm (Small Hollowware) 0.5 ppm (Cups / Mugs / Pitchers) 3.0 ppm (Flatware)	
*†Extractable Lead & Cadmium – Silver-plated (food-contact only)	FDA CPG 7117.05 & 7117.06	Cd: ≤ 0.25 ppm (Lg. Hollowware/Pitchers) ≤ 0.5 ppm (Sm. Hollowware/Cups/Mugs) ≤ 0.5 ppm (Flatware and other non-filled products) Pb: < 7.0 ppm for adult < 0.5 ppm for children	
*Food Grade Stainless Steel (For decorations which designed or intended to have food contact, e.g. cake tops)	With Reference to NSF/ANSI 51 / ITS-M0122	AISI 200, 300 and 400 series stainless steel are all acceptable for food use, so are other stainless steel grades with a minimum of 16% chromium content. In the case of cutlery / blades and similar applications requiring a sharp edge, the chromium content can be lower than 16% if they are tempered or hardened by an appropriate post-heat treatment process. (In lieu of testing, a passing test report may be submitted for review if dated within one year.)	
*†FDA Solvent Extractive on Plastic Materials (food-contact only)	21 CFR 170 – 189 ASTM F963-08, Section 4.3.3	Products intended for use in contact with food shall conform to the applicable requirements of the Food, Drug, and Cosmetic Act (FDCA), specifically 21 CFR 170 through 189.	
*Lead in Pewter Alloys (food-contact only)	US Food Code 4 – 101.17	Lead must not exceed 500ppm in food contact surfaces.	
*Lead in Solder and Flux (food-contact only)	US Food Code 4 – 101.13	Lead must not exceed 2000 ppm in food contact surfaces	



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*Microbial Limit Test (for natural material, e.g. pine cone)	USP <61> (Modified)	Total viable count shall be $\leq 5,000$ CFU/g for natural material.	
*†Toxic Elements in Packaging Components	TPCH	Shall comply with TPCH in those states with legislation. Total concentration of Pb, Cd, Hg and hexavalent Cr $\leq 100$ ppm.	
Decoration with Enclosed Liquid (if applicable)			
*Standard Bacteria Count	ASTM F963-08 Cl. 8.4.1 PCPC (CTFA)	Shall meet the most current guidelines of Personal Care Products Council: $\leq 1,000$ CFU/mL.	
*†Hazardous Liquid Chemicals in Children's Products	16 CFR 1500.231(a)	Mercury, Methanol, Methylene chloride, Petroleum distillate, Toluene, Xylene, Ethylene glycol, Diethylene glycol and Benzene shall not be detected.  In lieu of testing, a valid, complete 16 CFR 1500.231(a) certification test report shall be provided.	
*Liquid Toxicity (screening)	16 CFR 1500.14	In lieu of testing, a valid, complete 16 CFR 1500.14 certification test report shall be provided.	
*Toxicological Properties and Hazardous Substance Assessment	16 CFR 1500.3	Toxicity Risk Assessment and Hazardous Substance Assessment shall be conducted to substantiate the compliance of the regulation.  In lieu of testing, a valid, complete 16 CFR 1500.3 certification test report shall be provided.	
<b>Physical Characteristic</b>			
Dimensions (L x W x H)	ITS-M0059	Report overall dimensions; shall meet label claims (if applicable).	
Weight	ITS-M0059	Report weight; shall meet label claims (if applicable).	
Odour	ITS-M0061	Shall have a pleasant smell or odorless.	
<b>Construction &amp; Workmanship</b>			
Sharp Points / Edges	16 CFR 1500.48 / 1500.49 (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, bubbles, cracks, stains, deformations, chips, fractures, heavy lines, waves, shear marks, scratches, scuff marks, indentations, or blisters.	
Workmanship	Visual Check	Shall have no components missing, malformed, and/or fractured.	
Type of Material	Visual Check	Report actual; shall meet label claims (If applicable).	
Paint / Printing	Visual Check	Color shall be uniform and complete.	
Weld / Glue	Visual Check	Shall be free of spatter and even.	
<b>Performance Test</b>			
Functionality	ITS-M0061	Shall function as intended as received.	

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*Flammability on Solid	16 CFR 1500.44 (Scope widened)	Shall not exceed 0.1 in./sec along the major axis (horizontal burning). (Items wholly / mainly made of paper are exempted.)	
Hanging Mechanism (For decoration which has hanger(s))	Actual Use	Hanger(s) shall not be broken, deformed or pose hazards/failures when applied a force equals to 3 times of the product weight.	
Tilt Resistance / Stability (For free standing decorations)	ITS-M0015	Shall remain stable at 10° incline without tipping.	
Surface Scratching (For decorations which the base would be intentionally scratched, e.g. Vase, Photo Frame)	ITS-M0058	No scratching of test surfaces - 3 times going back and forth over 6 in.	
Contamination of Liquid (If contained/filled with liquid)	Visual Check	Shall have no visual contamination other than the intended decorations.	
Effects of Extreme Temperature and Humidity	ITS-M0007	Shall have no corrosion or visual change (e.g. peeling off of coating and/or plating) after one cycle of following conditioning: 16 h at 0°F; 8 h at 120°F, 95% RH.	
Drop Test (for non-fragile items)	ASTM F963-08 Cl. 8.7.1 (Scope Widened)	No failure after three drops from 3 feet onto vinyl clad concrete floor. The product must not break into pieces, deform or pose any use hazards after drop test. Its shape shall not change in any manner.	
*Stuffing Materials (if applicable)	ASTM F963-08 Cl. 4.3.7	Shall meet the cleanliness requirements.	
*Stuffing Cleanliness - Pennsylvania Regulation	US Pennsylvania Title 34, Chapter 47, Section 47.317	Stuffing materials shall meet all the requirements.	
*Moisture Content (solid wood only)	Oven Dry Method	Shall be between 8% - 12%.	
*Corrosion Resistance (For any accessible 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.	
*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>*Additional Requirements on Fabric Items</b>			
Colorfastness to Crocking	AATCC 116	Dry: class 4.0 minimum. Wet: class 3.0 minimum.	
Colorfastness to Light	AATCC 16 Option 3, 80 h	Class 4 minimum.	
Tensile Strength	ASTM D5034	Report maximum load.	
Seam Strength	ASTM D1683	Report breaking point force.	
<b>*Additional Requirements on Paper Items</b>			

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Tear Resistance	ASTM D1922 (Modified)	Report tear resistance in both transverse and machine directions.	
*Sutherland Rub Test (For paper with color printing)	ASTM D5264	No noticeable color rub off on the specimen after 100 strokes. Rub against copier paper receptor - under 4 lbs top loading at 106 cycles per minute.	
Colourfastness to Light	AATCC 16 Option 3 (80 Fading units)	Class 3 minimum.	
<b>*Additional Requirements on Child-appealing Products (e.g. Stuffed Ornament, etc)</b>			
Drop Test	16 CFR 1500.51 (b)	Shall not present small part, hazardous sharp point and/or sharp edge after 10 drops at 4.5 ft.	
Torque Test	16 CFR 1500.53 (e)	Shall not present small part, hazardous sharp point and/or sharp edge after applying 4 in-lbf.	
Tension Test	16 CFR 1500.53 (f)	Shall not present small part, hazardous sharp point and/or sharp edge after applying 15 lbf.	
Compression Test	16 CFR 1500.53 (g)	Shall not present small part, hazardous sharp point and/or sharp edge after applying 30 lbf.	
Flexure Test (if applicable)	16 CFR 1500.53 (d)	Shall not present small part, hazardous sharp point and/or sharp edge after applying 30 bending cycles under 15 lbf.	
<b>Labeling Requirement</b>			
One Time Use Products	F.P. & L. Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	Manufacturer, Packer, or Distributor's name & address (city, state & zip)	
†Fair Packaging and Labeling Act OR All Other Products		Product identification	
†Uniform Packaging and Labeling Regulations		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	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.	
Verify Label Claims	ITS-M0060	Shall comply with all claims.	
Use Labeling	ITS-M0060	Use, care and/or assembly instructions that are clear and understandable shall be provided in language appropriate to destination countries.	
Instructions	ITS-M0060	Shall include assembly, use, maintenance, and safety information as required with no errors or spelling mistakes	
Warning Labeling (if applicable)	ITS-M0060	Suggest to have appropriate warnings, for example, "This is not a toy, for decoration only."	

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Declaration of the Use of Fragrance (if applicable)	ITS-M0060	Shall present declaration of conformity to the manufacturing guidance as specified by The International Fragrance Association (IFRA). (It is the vendor's responsibility to present this declaration to the buyer.)	

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