



TEST SPECIFICATION

Product:	Paper Products – Food Contact		
Scope:	Includes items made of paper such as paper cups, paper napkins, paper plates, paper meal bags/boxes, paper favour bags/boxes/cups intended to be used in conjunction with food items.	Protocol No.	TYCP-02008-US
		Version	1.0
		Issue Date	10 Nov, 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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Evaluation	Test Method / Standard	Requirement / Limit
Supplemental Protocol(s)		
*†CA Prop 65 (mandatory in state California, US)	Intertek Protocol	Consent Judgment of related court cases based on California Proposition 65. See http://oehha.ca.gov/prop65.html
* Children's Products Supplemental	TYCP-00004-US	Shall review against the Children's Products Supplemental and shall comply with all applicable requirements. See Children's Products (Non-toy) Protocol posted at http://www.taymarkinc.com
<i>Note: Additional cost, sample size & 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>		
Chemical Analysis		
*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% by weight of the total content (90ppm).
* Food Contact Materials - Paper which may have contact with food	FDA 21 CFR 175/ 176	Must comply with regulations of US FDA food simulating solvent and extraction.
*†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.
Physical Characteristic		
Overall Dimensions	ITS-M0059	Report dimensions; shall meet label claims if applicable.
Weight	ITS-M0059	Report weight; shall meet label claims if applicable.
Capacity (if applicable)	ITS-M0059	Report overall capacity; shall meet label claims (if applicable).
Color	Visual Check	Report color; shall meet label claims if applicable.
Odor	Organoleptic	Shall have a pleasant smell or odorless.
(For Napkins)		
Dimensions of Package	ITS-M0059	Report package dimensions; shall meet label claims if applicable.
Sheet Thickness	ITS-M0059	Report sheet thickness; shall meet label claims if applicable.
Sheet Area	ITS-M0059	Report sheet area; shall meet label claims if applicable.
Grammage	TAPPI T 410	Report grammage [g / m ²]; shall meet label claims if applicable.
Number of Ply per Sheet	Actual Count	Report count; shall meet label claims if applicable.
Number of Sheets per Package	Actual Count	Report count; shall meet label claims if applicable.

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Evaluation	Test Method / Standard	Requirement / Limit
Construction & Workmanship		
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, denting, 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.
Performance Test		
Functionality	ITS-M0061	Shall function as intended as received
* Tensile Strength	TAPPI T 576 (Modified)	Test under dry and wet conditions. Report tensile strength at break [gf / in] in both machine and cross-machine directions. Modification: Test conducted at ambient but should be as close as possible to one as specified in Tappi T402
* Tear Strength	TAPPI T414 (Modified)	Report the actual tearing force in each direction. Note: Test shall be conducted within 30 minutes after removing the specimen from the conditioning chamber. Modification: Test conducted at ambient but should be as close as possible to one as specified in Tappi T402.
Leakage Resistance (if applicable)	Actual Use	Fill water with 80% capacity for 30 minutes. No seepage
For Napkin only		
Endurance of Use	Actual Use	Lightly stain the surface of a table with the some food material (ketchup, spaghetti sauce, wine, cream, vinegar), wipe the test surface using the napkin paper back and forth for 5 times. It shall remove the stain effectively.
Total Absorbency	Actual Use	Cut the sample into 100 cm ² (i.e 10 cm x 10 cm or 20 cm x 5 cm), place the container with 100 mL water on the balance with resolution 0.001 g, reset zero, submerge the specimen into water for 10 sec and then dredge the specimen up free hang above container for 1 min, then read out the total mass of water absorbed and calculate the absorption per unit area and report results in unit [g / m ²].

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* 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.
Labeling Requirement		
†One Time Use Products Fair Packaging and Labeling Act OR All Other Products Uniform Packaging and Labeling Regulations	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).
		Product identification.
		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. Must be visible at point of purchase.
Parts Labeling	ITS-M0060	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.
Instructions	ITS-M0060	Shall be legible and easy to understand; instructions shall be consistent with sample performance.
Verify Label Claims	ITS-M0060	Shall comply with all claims.

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

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