

## TEST SPECIFICATION

Product:	Bed Linen		
Scope:	Bed Linen (Such as Mattress Cover, Mattress Topper, Bed Sheet, Pillowcase and Bedspreads)	Protocol No.	TYCP-24404-US
		Version	1.0
		Issue Date	Sep 26, 2011
		Prepared by	Dongmei Zhang
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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
<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 Content	AATCC 20/20A	±3% tolerance blends No tolerance for single fiber
pH value	AATCC 81	White: 5-7 Others: 6-8
Formaldehyde Spot test (Do below test directly if result is Positive)	ITS 416	Negative
* Formaldehyde Content	AATCC 112	For children less than 36 months, 20 ppm For children more than 36 months, 75 ppm
Product dimension	Standard measurement	Report actual, 5 % tolerance if claims
Product Weight	Standard Measurement	Report actual or +/-5.0% from claims
Fabric Count	ASTM D3775 (for woven) / ASTM D3887 (for knit)	Report actual or +/-5.0% from claims
Yarn Count	ASTM D1059	Report actual or +/-5.0% from claims
Fabric Weight	ASTM D3776 (for woven) / ASTM D3887 (for knit)	Report actual or +/-5.0% from claims
<b>Construction &amp; Workmanship</b>		

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Workmanship	ASTM D 3990 Visual check	No Major Defects - Shall Demonstrate Good, Even Construction, With No Sharp Edges, Sharp Points, Discoloration, etc
<b>Performance Test</b>		
* Flammability	ASTM D1230	Class 1
Dimensional stability to washing (Per care instruction)	AATCC 135/150 (3 cycles)	-4% +3%
Appearance to washing	Per Dimensional stability to washing	Satisfactory
* Dimensional Stability to Dryclean (per care instruction or on request)	Commercial Dryclean (1 cycle)	+/-2.5%
* Appearance after Dryclean	Per Dimensional Stability to Dryclean	Satisfactory
Tensile strength (for woven)	ASTM D5034	30 lbs min
* Seam Strength (for woven)	ASTM D1683	25 lbs min.
Bursting Strength (for knit)	ASTM D3786	40 lbs/in <sup>2</sup> min.
* Seam Bursting Strength (for knit)	ASTM D3786 (mod.)	35 lbs/in <sup>2</sup> min.
Abrasion Resistance	ASTM D4966	10,000 rubs min.
* Zipper Strength (For functional)	ASTM D2061	Chain Crosswise Strength: 50 lbs min. Top Stop: 20 lbs min. Puller attachment strength: 20 lbs min. Pull Twist-off Strength: 4 in-lbs
Snapping test (for functional)		
* Snapping Force	AATCC/ASTM TS-013	2 lbs -8 lbs
* Unsnapping Force	ASTM D4846	2 lbs -8 lbs
<b>Colourfastness</b>		
To washing	AATCC 61	Colour Change: Grade 4.0 min. Colour Stain: Grade 3.0 min. Self Stain: Grade 4.5 min.
* To Dryclean (per care instruction)	AATCC 132	Colour Change: Grade 4.0 min. Colour Stain: Grade 3.0 min. Self staining: Grade 4.5 min.
To Chlorine Bleach	AATCC/ASTM TS-001	Colour Change: Grade 4.0 min.
To Non-Chlorine Bleach	AATCC/ASTM TS-001	Colour Change: Grade 4.0 min.
To Water	AATCC 107	Colour Change: Grade 4.0 min. Colour Stain: Grade 3.0 min.
To Crocking	AATCC 8 / 116	Colour Stain: Dry: Grade 4.0 min. Wet: Grade 3.0 min.
To Light (20 AFU)	AATCC 16	Colour Change: Grade 4.0 min.
To Perspiration	AATCC 15	Colour Change: Grade 4.0 min. Colour Stain: Grade 3.0 min.

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* To Urine (for children less than 36 months)	Intertek IHTM 044	Colour Change: Grade 4.0 min. Colour Stain: Grade 3.0 min.
<b>Labelling Requirement</b>		
†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.
†Fiber Content	16 CFR 303 / 300	Must be visible at point of sale & must comply with regulations (Textile Fibers Identification Act or Wool Products Labeling Act)
†RN# (Registered Number) or Manufacturer Name	FTC Visual Check	Verify presence and must comply with the Textile Fiber Product Identification Act.
Law Label / Stuffed Articles Bedding Tag (if applicable)	State Bedding Law	Verify presence and must comply with regulations
Care Instruction	16 CFR 423	Must be sewn in permanently and must comply with regulations (Care Labeling Rule)
Verify Label Claims (if any)	ITS-M0060	Must comply with all claims

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