





Product:	Match Sticks		
Scope:	Match Sticks	Protocol No.	TYCP-01054-US
·		Version	1.0
		Issue Date	Sep 21 2011
		Prepared by	Alex Ma
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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/elecertfaq.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
Supplemental Protocol(s)		•
*CA Prop 65	Intertek Protocol	Consent Judgment of related court case based on California	
(Mandatory in state		Proposition 65.	
California)		See http://oehha.ca.gov/prop65.html	
Note: Additional cost, sam	nple size & TAT may be requ	ired if testing to one or more supplemental protocols is necessary.	
Please refer to the above	referenced supplemental pro	otocol(s) for additional information.	
Chemical Analysis			
*Lead Content of Paints	16 CFR 1303	Shall not contain Lead or Lead compounds in which the Lead content is	
or Similar Surface	(scope widened)	in excess of 0.009% by weight of the total content (90ppm).	
Coating	,		
*†Toxic Elements in	TPCH	Shall comply with TPCH in those states with legislation. Total	
Packaging Components		concentration of Pb, Cd, Hg and hexavalent Cr ≤ 100 ppm.	
(CONEG)			
Physical Characteristic			
Overall Dimensions	ITS-M0059	Report overall dimensions; shall meet label claims (if applicable).	
Thickness - Splint	ITS-M0059	Report thickness; shall meet label claims (if applicable).	
Overall Weight	ITS-M0059	Report overall weight; shall meet label claims (if applicable).	
Type of match –	Fed. Spec. A-A-59489	Type I (Paper – Class A: 30 Splint Book,	
classification	Section 2	Class B: 20 Splint Book,	
		Class C: 10 Splint Book)	
		Type II (Wood – Class A: Large, "Kitchen" Size Sticks,	
		Class B: Medium Size Sticks,	
		Class C: Small, "Pocket" Size Sticks)	
Match head	Fed. Spec. A-A-59489	Shall be evenly applied over ends and sides of splints and sticks.	
•	Section 3.2	T 101 101 11 00 11 11 11 11 11 11 11 11 1	
Count	Fed. Spec. A-A-59489	Type I, Class A: Shall be 30 matches per book, with 15 splints on each	
	Section 3.3	of two rows.	
		Type I, Class B: Shall be 20 matches per book, with 10 splints on each	
		of two rows.	
		Type I, Class C: Shall be 10 matches per book, with 5 splints on each	
		of two rows.	
		Type II, Class A: Average number shall not be less than 250 per box &	
		no box shall contain less than 230 matches.	
		Type II, Class B: Average number shall not be less than 27 per box &	
		no box shall contain less than 21 matches.	1
		Type II, Class C: Average number shall not be less than 32 per box &	
		no box shall contain less than 30 matches.	







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Attribute	Test Method / Standard		Requirem	ent / Limit		Result
Dimensions	Fed. Spec. A-A-59489					
	Section 3.4	Classification		ngth Splint, head	Width	
		Classification	Splint / stick with head	and base		
		Type I,	35 ± 3mm	48 ± 3mm	48 ± 2mm	
		Class A	$(1-3/8" \pm 1/8")$	$(1-7/8" \pm 1/8")$	(1-7/8" ± 1/16")	
		Type I,	35 ± 3mm	48 ± 3mm	30 ± 2mm	
		Class B	(1-3/8" ± 1/8")	(1-7/8" ± 1/8")	(1-3/16" ± 1/16")	
		Type I,	35 ± 3 mm	48 ± 3mm	16 ± 2mm	
		Class C	$(1-3/8" \pm 1/8")$	$(1-7/8" \pm 1/8")$	(5/8" ± 1/16")	
		Type II,	60 ± 3mm	-	2.5mm	
		Class A	(2-3/8" ± 1/8")		(0.10")	
		Type II,	50 ± 3mm	-	2.3mm	
		Class B	(2" ± 1/8")		(0.09")	
		Type II,	44 ± 3mm	-	2mm	
		Class C	(1-3/4" ± 1/8")		(0.08")	_
			resents width of e	ach row. Type II i	represents width of	
		each match stick.				
Striking Surface	Fed. Spec. A-A-59489	The striking surface				
	Section 3.5	with a preparation surface shall not p		ed to ignite the ma	tches. The striking	
Construction & Workma	nship					
Sharp Points / Edges	16 CFR 1500.48 /	Shall have no sha	rp points/edges, o	other than those re	equired for	
	1500.49 (Scope	function.				
	widened)					
Workmanship	Fed. Spec. A-A-59489	No defects. (No s				
Defects	Visual Check	Shall have no disc				
		-		•	s, fractures, heavy	
		lines, waves, sheablisters.	ar marks, scratche	es, scuff marks, in	dentations, or	
Friction	16 CFR 1202.4(a)(c)	Shall be located of	n the outside bac	k cover near the b	oottom of the	
	. , , ,	matchbook and no	one shall be locate	ed on the inside o	f the cover.	
Cover	16 CFR 1202.4(b)	Shall remain close	ed without externa	l force.		
Bridges / Broken	16 CFR 1202.4(d)	Shall be no bridge	es or broken bridg	es.		
Bridges						
Matchhead Condition	16 CFR 1202.4(e)	Shall not be chipp				
Matchhead Location	16 CFR 1202.4(f)	No portion of mate closed.	chhead shall be lo	cated outside the	cover when	
Staple/Assembly Device	16 CFR 1202.4(g)(h)	Shall not be within clinched so that the				
Performance Test		1				ı
Functionality	ITS-M0061	Shall function as i	ntended as receiv	red.		
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Effects of Extreme	ITS-M0007	Shall have no corrosion or visual change (e.g. peeling off of coating	
Temperature and		and/or plating) after one cycle of following conditioning:	
Humidity		o 16 h at 0 °F;	
-		o 8 h at 120 °F, 95% RH.	
Performance Test	Fed. Spec. A-A-59489	100 matches shall be tested. Each match shall be struck on the striking	
	Section 3.7	surface until it ignites or becomes damaged. 5 or more failures shall	
		result in rejection of the lot.	
Humidity Resistance	Fed. Spec. A-A-59489	100 matches shall be conditioned at 95% RH & 100°F for 6 hrs.	
Test	Section 3.8	Immediately upon removal from the chamber, each match shall be	
		struck on the striking surface until it ignites or becomes damaged. 30 or	
		more failures shall result in rejection of the lot.	
Igniting Performance -	Fed. Spec. A-A-59489	Must ignite effectively without breakage of the splint, head or without	
Match	·	cracking, exploding or afterglow.	
Spontaneous Ignition –	Fed. Spec. EE-M-101J	Note: Matches must be conditioned for a minimum of 48 hrs in at	
Hot Air Oven	Section 4.3.2	atmosphere maintained at 50 % R.H. at 73.5 +/-2°F (22 to 24°C) prior	
		to the following testing.	
		Place matches in wooden block fixture in circulating hot air	
		oven and raise the temperature to 194 +/- 2°F (90°C) per	
		Section. Expose matches to this environment for 2 hrs. Matches shall	
		not ignite during this period.	
Labeling Requirement			
One Time Use Products	F.P. & L. Act	Manufacturer, packer, or distributor's name & address (city, state &	
	(16 CFR 500)	zip).	
†Fair Packaging and	OR	Product Identification.	
Labeling Act OR All	NIST Uniform Laws and	Net quantity of contents shall be expressed in terms of weight or mass,	
Other Products	Regulations Handbook	measure, numerical count, or combination so as to give accurate	
	130	information to facilitate consumer comparison (U.S. and metric units).	
†Uniform Packaging		,	
and Labeling			
Regulations			
†Country of Origin	19 CFR 134.11	Shall indicate country of origin legibly, permanently, and in comparable	
Marking		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 provide an easy understandable instructions regarding assembly,	
		use and maintenance	

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Marking	16 CFR 1202.6	The manufacturer's or private labeler's name and city or a symbol	
-		which will identify the name and city shall appear on the matchbook. In	
		addition, every private labeler must label the matchbook with a code	
		which enables it to identify, if requested, the manufacturer of the	
		product. Boxes or cartons in which two or more caddies are shipped	
		shall be marked "For safety, store in a cool, dry place."	

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