

Product:	<b>Envelope</b>		
Scope:	Envelopes including adhesives.	Protocol No.	TYCP-04048-NA
		Version	1.0
		Issue Date	Nov 01, 2012
		Prepared by	Intertek HK - TFH
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**NB: Where there is no applicable US or CN standard, Intertek has chosen the most relevant International standards to assess the product safety and performance. For undated references, the latest edition of the referenced document (including any amendments) applies.**

Evaluation	Citation	Requirement / Limit	Result
<b>Supplemental Protocols</b>			
<b>For US Only</b>			
*†CA Prop 65 (mandatory in state California)	Intertek Protocol	Consent Judgment of related court cases based on California Proposition 65.	
*†Children's Products Supplemental (Required if the product is graded as a children product)	Refer to TYCP-00004-US	Shall comply with all requirements in TYCP-00004-US.	
*†CPSIA Supplemental	Refer to TYCP-00001-US	Shall comply with all requirements in TYCP-00001-US.	
<b>For Canada Only</b>			
*†Children's Products Supplemental (Required if the product is graded as a children product)	Refer to TYCP-00004-CN	Shall comply with all applicable requirements.	
<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>			
<b>For US Only</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.	
*†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.	
<b>For Canada Only</b>			
*Total Lead in Surface Coating	Canada Consumer Product Safety Act, Surface Coating Materials Regulations (Scope widened)	Shall not exceed 0.009% (90ppm) total lead.	
<b>Physical Characteristic</b>			

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Dimensions (L x W)	ITS-M0059	Report overall dimension; shall meet label claims (if applicable).	
Material Thickness	ITS-M0059	Report thickness; shall meet label claims (if applicable).	
Flap Height	ITS-M0059	Report actual. Measure flap fold to flap peak; shall meet label claims (if applicable).	
Number of Windows (if applicable)	Actual Count	Report actual; shall meet label claims (if applicable).	
Overall Weight	ITS-M0059	Report overall weight; shall meet label claims (if applicable).	
Number per Package	Actual Count	Report actual; shall meet label claims (if applicable).	
<b>Construction &amp; Workmanship</b>			
Sharp Points / Edges	With reference to 16 CFR 1500.48 / 49	Shall have no sharp points/edges as received, 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.	
<b>Performance Test</b>			
Functionality	ITS-M0061	Shall function as intended as received.	
Seal adhesion test	TAPPI T 516 cm-00 section 6.2 modified	Shall be capable of being sealed quickly and securely using 5 pounds of pressure after moistening, removing of peel strip, or exposing the self adhesive. When opened between 15 to 20 seconds after sealing, the flap shall pull fibers from the body of the envelope. Test with 5 envelopes	
Envelopes - effects of heat and humidity - seal and seam adhesion	TAPPI T 516 cm-00 section 6.3 modified	For peel & seal, self adhesive envelope Seal 5 envelopes, after 24 hours exposure to 95% RH & 100°F (38°C), rapidly evaluate the adhesion of the seals and seams. All seals and seams shall pull paper fibers.	
* Sutherland rub test  (For plastic window)	ASTM D5264 (Modified)	Statement inside the envelope shall be clearly read through the plastic window after 10 strokes. Rub against copier paper receptor - under 2 lbs top loading at 106 cycles per minute.	
<b>Colorfastness – For color paper only</b>			
*Dry crocking	With reference to AATCC 116	Class 4.0 minimum.	
<b>Labeling Requirement</b>			
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	Actual Use	Shall comply with all claims.	

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†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.											
†Plastic Bag Warning Statement (If applicable)	Massachusetts – 105 CMR 630.000 / New York – 10 NYCRR § 12.12 / Rhode Island – R.I. Gen. Laws § 11-9-16 / California – Cal Bus & Prof Code § 22200	Plastic bags with a thickness of less than one mil (0.001 inch), in which a diameter is 5 inches or greater (when formed into a circle) used as packaging or packaging article for domestic/household use (e.g. laundry bag, garbage bag), a warning statement as following or equivalent to below shall appear on both sides of each bag. <b>Warning: To avoid danger of suffocation, keep this plastic bag away from babies and children. Do not use this bag in cribs, beds, carriages or playpens. This bag is not a toy.</b> The warnings shall be printed clearly as to prevent the ink from smearing or upon a gummed label securely attached to the bag. It shall be contrasted by typography, layout or color from the contents of the bag and from other printed matter on the bag, if any. If the total length and width of the bag is more than 40 inches, the warning shall be repeated at 20 inches intervals. Except laundry bag, the font size of the warning must adhere to the chart listed below: <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>        Total Length and Width of Bag        </u></td> <td style="text-align: center;"><u>        Size of Print        </u></td> </tr> <tr> <td style="text-align: center;">60 inches or more</td> <td style="text-align: center;">at least 24 point</td> </tr> <tr> <td style="text-align: center;">40 to less than 60 inches</td> <td style="text-align: center;">at least 18 point</td> </tr> <tr> <td style="text-align: center;">25 to less than 40 inches</td> <td style="text-align: center;">at least 14 point</td> </tr> <tr> <td style="text-align: center;">Less than 25 inches</td> <td style="text-align: center;">at least 10 point</td> </tr> </table>	<u>        Total Length and Width of Bag        </u>	<u>        Size of Print        </u>	60 inches or more	at least 24 point	40 to less than 60 inches	at least 18 point	25 to less than 40 inches	at least 14 point	Less than 25 inches	at least 10 point	
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†Pre-packaged Product	Consumer Packaging and Labelling Act, R.S. 1985, c. C-38 and Regulations, C.R.C., c. 417	<p>The net quantity declaration shall present on Principal Display Panel (PDP) in English and French, metric units.</p> <p>The numerical quantity shall be bold type with letter height based on the size of Principle Display Surface (X):</p> <table border="1"> <thead> <tr> <th>Size of Principle Display Surface</th> <th>Minimum letter height</th> </tr> </thead> <tbody> <tr> <td><math>X \leq 32 \text{ cm}^2 (5 \text{ in}^2)</math></td> <td>1.6 mm (1/16 in)</td> </tr> <tr> <td><math>32 \text{ cm}^2 &lt; X \leq 258 \text{ cm}^2 (40 \text{ in}^2)</math></td> <td>3.2 mm (1/8 in)</td> </tr> <tr> <td><math>258 \text{ cm}^2 &lt; X \leq 645 \text{ cm}^2 (100 \text{ in}^2)</math></td> <td>6.4 mm (1/4 in)</td> </tr> <tr> <td><math>645 \text{ cm}^2 &lt; X \leq 25.8 \text{ dm}^2 (400 \text{ in}^2)</math></td> <td>9.5 mm (3/8 in)</td> </tr> <tr> <td><math>25.8 \text{ dm}^2 (400 \text{ in}^2) &lt; X</math></td> <td>12.7 mm (1/2 in)</td> </tr> </tbody> </table> <p>All other information in the net quantity declaration (i.e. units of measurement statements, abbreviations, symbols, etc.) shall be shown in minimum 1.6 mm letter height.</p> <p>Product identification shall be shown on Principal Display Panel (PDP) in English and French, minimum 1.6 mm letter height.</p> <p>Dealer's name and principal place of business (address) shall be shown on any part of label except bottom, English or French, minimum 1.6 mm letter height. For imported goods, the name and address of the dealer outside Canada or the name and address of Canadian dealers shall be preceded by "imported by" ("<i>importé par</i>") or "imported for" ("<i>importé pour</i>"), unless a statement of geographic origin is located immediately adjacent to the name and address of a Canadian dealer, and shown with letter height at least as large as those used in the declaration of the Canadian dealer's principal place of business.</p>	Size of Principle Display Surface	Minimum letter height	$X \leq 32 \text{ cm}^2 (5 \text{ in}^2)$	1.6 mm (1/16 in)	$32 \text{ cm}^2 < X \leq 258 \text{ cm}^2 (40 \text{ in}^2)$	3.2 mm (1/8 in)	$258 \text{ cm}^2 < X \leq 645 \text{ cm}^2 (100 \text{ in}^2)$	6.4 mm (1/4 in)	$645 \text{ cm}^2 < X \leq 25.8 \text{ dm}^2 (400 \text{ in}^2)$	9.5 mm (3/8 in)	$25.8 \text{ dm}^2 (400 \text{ in}^2) < X$	12.7 mm (1/2 in)	
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The Language of Inscription (mandatory in Quebec)	The Charter of French Language, Title I, Chapter VII, Clause 51 & Regulations adopted under the Charter of French Language	<p>Every inscription on the following shall be drafted in French,</p> <ul style="list-style-type: none"> <li>- product</li> <li>- product container or wrapping</li> <li>- document or object supplied with it (e.g. directions for use, warranty certificates)</li> </ul> <p>No inscription in another language may be given greater prominence than that in French.</p> <p>For exceptions, check the following webpage:–  <a href="http://www.olf.gouv.qc.ca/english/regulations/reg_business.html#div1">http://www.olf.gouv.qc.ca/english/regulations/reg_business.html#div1</a></p>													
†Country of Origin	Customs Tariff, Marking of Imported Goods Regulations, SOR/94-10	The country of origin marking of Non-NAFTA imported goods shall be present in English or French.													

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

**Key:** \* : Additional charge items                      † : Mandatory Requirement

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**Testing Charge & Sample Size & Turnaround Time**

<b>Basic Package Price (Listed Price)</b>	USD 140	
<b>Sample Size for basic package</b>	3 pieces	
<b>Turnaround time</b>	7 working days (8 working days for Actual LHAMA Evaluation)	
<b>Additional charge (Subject to client discount)</b>		<b>Additional sample size</b>
a. CA Prop 65	On Quote	Subject to actual sample
b. Children's Products Supplemental - US	Refer to TYCP-00004-US	Refer to TYCP-00004-US
c. CPSIA Supplemental	Refer to TYCP-00001-US	Refer to TYCP-00001-US
d. Children's Products Supplemental - CN	Refer to TYCP-00004-CN	Refer to TYCP-00004-CN
e. Lead Content of Paints or Similar Surface Coating (US)	USD 31 per coating	0.5 grams of coating on finished product
f. Toxic Elements in Packaging Components	USD 54 per result	0.5 grams per material
g. Total Lead in Surface Coating (CN)	USD 31 per coating	0.5 grams of coating on finished product
h. Sutherland rub test	USD 80	11 pieces (3" x 6" minimum)
i. Colorfastness to Crocking (Dry)	USD 11 per result	20" x full width per test
<b>Remark:</b> Price quoted above is <b>LISTED</b> price based on our Hong Kong laboratory pricing. Please check with local laboratories to confirm exact pricing for your region.		

**Revision History**

Issue No.	Revision date	Changes	Prepared by	Approved by
1.0	Nov 01, 2012	Initial release	Chris Chau	TYCP Emily on Nov 02, 2012