

Product:	Plasticware [Food-Contact Use]		
Scope:	All types of plastic containers (Plate, Bowl, Tumbler, Goblet etc)	Protocol No.	TYCP-02010-NA
		Version	1.0
		Issue Date	15 Jan 2013
		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.

Attribute	Citation	Requirement / Limit	Result
Supplemental Protocols			
For US Only			
*†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.	
For Canada Only			
*†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 & 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			
For US Only			
*†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).	
*†FDA Solvent Extractive on Plastic Materials	21 CFR 170 – 189	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.	
*†Toxic Elements in Packaging Components	TPCH	Shall comply with TPCH in those states with legislation. Total concentration of Pb, Cd, Hg and hexavalent Cr ≤ 100 ppm.	

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*Bisphenol A content (if applicable)	Various state laws (e.g. CT, MN, Chicago City (IL), NY, MA, ME, MD, VT, WI) / High Performance Liquid Chromatography	The following products shall not contain any detectable levels of Bisphenol-A (BPA): <ul style="list-style-type: none"> • Infant formula/ baby food plastic container, jar or can • All reusable or disposable food or beverage containers including lids and cups • Baby bottle liners • Toys (for aged 12 and younger, Maine) • Child Care Articles (for aged 3 and younger, Maine) • Pacifiers (or other sucking and teething products) • Straws <p>Actual testing will be conducted on All Plastics materials only. Vendors shall be responsible for the compliance of all other materials.</p> <p>This is a client requirement to cover various states laws and proposed legislations, before the date of enact.</p>	
For Canada Only			
*Total Lead in Surface Coating	Canada Consumer Product Safety Act, Surface Coating Materials Regulations (Scope Widened)	Shall not exceed 0.009% (90ppm) total lead.	
*†Lead Content of Consumer Products Contacting with Mouth	Canada Consumer Product Safety Act, Consumer Products Containing Lead (contact with mouth) Regulations	The following products shall not contain more than 90 ppm total lead (90 mg of lead per per kilogram of product): (1) products, other than kitchen utensils , whose normal pattern of use requires that they be brought to the user's mouth ; and (2) products in respect of which it is reasonably foreseeable, based on their nature, that they would be used by children under 3 years of age in learning or play.	
*†Food-contact Plastics	Division 23 Food and Drug Regulations Health Canada	Shall comply with the requirements. Vendors shall provide test reports or suitable certificates with declaration letters confirming that the plastic materials used with food contact meet specific Health Canada requirements as stated in Division 23 or are among the acceptable polymers listed by Health Canada. Instead, pending individual client's approval, vendors can submit passing reports meeting FDA requirements stated in 21 CFR 175, 177 & 180.22 per plastic type. (Document is valid for 1 year.)	
Physical Characteristic			
Overall Dimensions	ITS-M0059	Report overall dimensions; shall meet label claims (if applicable).	
Overall Weight	ITS-M0059	Report overall weight; shall meet label claims (if applicable).	
Capacity (if applicable)	ITS-M0059	Report overall capacity; shall meet label claims (if applicable).	
Construction & Workmanship			
Sharp Points/Edges	16 CFR 1500.48/1500.49 (Modified)	Shall have no sharp points/edges, other than those required for function.	

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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.	
Color Uniformity	Visual Check	Shall have no major defect.	
Warpage	Visual Check	Shall not rock appreciably on a flat surface and not show warpage. Maximum offset: 1/32 in (0.8 mm).	
Lid Fitting (if applicable)	Actual Use	Shall provide good fit of the container.	
Performance Test			
Functionality	ITS-M0061	Shall function as intended as received.	
Stain Resistance	ITS-M0014	Shall resist permanent staining - Apply various food materials on surface, let stand for 2 hours. Subject to 1 cycle of hot dishwasher afterwards. (If claimed not dishwasher safe, soak 30 minutes in hot, soapy water and then rinse with tap water)	
Drop Test	ITS-M0053	No breakage or separation - 4 drops from 3 feet onto vinyl-tiled concrete floor.	
Microwave Safe	ITS-M0002	5 minutes @ 100% power - no adverse effects.	
*Dishwasher Safe	ITS-M0001	10 cycles of normal wash with domestic detergent - No color change nor adverse effects.	
*Handwash Safe (For items having the equivalent claims such as "Handwash only" OR "Not dishwasher safe")	ITS-M0003	Shall be no adverse effect after 10 handwash cycles using domestic detergent rubbed with damp cloth gently with warm water (140°F/ 60°C), followed by a rinse of tap water.	
*Durability and Fitness of Accessories (if applicable)	Actual Use	Shall withstand repeat detaching/attaching and/or opening/closing of the accessories 100 times.	
*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.	
Labeling Requirement			
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 include assembly, use, maintenance, and safety information as required with no errors or spelling mistakes.	
Verify Label Claims	Actual Use	Shall comply with all claims.	
For US Only			
One Time Use Products †Fair Packaging and Labeling Act OR All Other Products	F.P. & L. Act (16 CFR 500) OR NIST Handbook 130 Uniform Laws and Regulations	Manufacturer, packer, or distributor's name & address (city, state & zip).	
		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).	

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†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. Shall be visible at point of purchase.											
Bisphenol-A Content of Food or Beverage Container for Children Age 3 Years or Younger	BPA-Free Kids Act of 2009 (Proposed)	Food or beverage container containing no Bisphenol-A shall bear a statement "BPA-Free Product" on the container or its packaging. Refer to Chemical Analysis section for details.											
†Plastic Bag Warning Statement (If applicable)	Visual Check / Requirements Based on Various State Laws	<p>If plastic bags with a thickness less than 1 mil and an opening size $\geq 5"$ in diameter are present, the following warning statement shall be printed in a prominent place on each bag in English and appeared on both sides:</p> <p>WARNING: Keep this bag away from babies and children. Do not use in cribs, beds, carriages or playpens. The thin film may cling to nose and mouth and prevent breathing. This bag is not a toy.</p> <p>If the total length and width is $> 40"$, the warning shall be repeated in 20-inch intervals. The font size shall adhere to:</p> <table border="1"> <thead> <tr> <th>Total Length and Width of Bag</th> <th>Font</th> </tr> </thead> <tbody> <tr> <td>60 inches or more</td> <td>at least 24 point</td> </tr> <tr> <td>40 inches to less than 60 inches</td> <td>at least 18 point</td> </tr> <tr> <td>25 inches to less than 40 inches</td> <td>at least 14 point</td> </tr> <tr> <td>less than 25 inches</td> <td>at least 10 point</td> </tr> </tbody> </table>	Total Length and Width of Bag	Font	60 inches or more	at least 24 point	40 inches to less than 60 inches	at least 18 point	25 inches to less than 40 inches	at least 14 point	less than 25 inches	at least 10 point	
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For Canada Only

†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>$X \leq 32 \text{ cm}^2 (5 \text{ in}^2)$</td> <td>1.6 mm (1/16 in)</td> </tr> <tr> <td>$32 \text{ cm}^2 < X \leq 258 \text{ cm}^2 (40 \text{ in}^2)$</td> <td>3.2 mm (1/8 in)</td> </tr> <tr> <td>$258 \text{ cm}^2 < X \leq 645 \text{ cm}^2 (100 \text{ in}^2)$</td> <td>6.4 mm (1/4 in)</td> </tr> <tr> <td>$645 \text{ cm}^2 < X \leq 25.8 \text{ dm}^2 (400 \text{ in}^2)$</td> <td>9.5 mm (3/8 in)</td> </tr> <tr> <td>$25.8 \text{ dm}^2 (400 \text{ in}^2) < X$</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>	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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		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.	
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	Every inscription on the following shall be drafted in French, - product - product container or wrapping - document or object supplied with it (e.g. directions for use, warranty certificates) No inscription in another language may be given greater prominence than that in French. For exceptions, check the following webpage:– http://www.olf.gouv.qc.ca/english/regulations/reg_business.html#div1	
†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

Testing Charge & Sample Size & Turnaround Time

Basic Package Price (Listed Price)	USD 150 (in which USD 110 is not discountable) for one market; Additional USD 23 for both markets	
Sample size for basic package	3 pieces (additional samples may be required for tests with additional charge)	
Turnaround time for basic package	7 working days	
Additional charge (subject to client discount)	Additional sample size	
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	USD 31 per coating	0.5 grams of coating on finished product
f. Food Contact Materials (FDA)	On Quote	Subject to actual sample
g. Toxic Elements in Packaging Components	USD 54 per result	0.5 grams per material
h. Bisphenol A content	USD 162 per result	10 grams
i. Total Lead in Surface Coating (CN)	USD 31 per coating	0.5 grams of coating on finished product

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j. Lead Content of Consumer Products Contacting with Mouth	USD 31 per result	0.5 grams
k. Food-contact Plastics	On Quote	Subject to actual sample
l. Dishwasher Safe	USD 95 per result	1 piece
m. Handwash Safe	USD 101 per result	1 piece
n. Durability and Fitness of Accessories	USD 45 per result	1 piece
o. Transit Testing	ISTA 1A: USD 179 ISTA 1B: USD 231	1 full carton with products
Remark: Price information is for reference only and 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	05 Oct 2012	Initial release	Mondy Tung	Taylor (Emily) on 08 Jan 2013