




AMSCAN TEST REPORT

LAB LOCATION: HONG KONG **REPORT NUMBER:** HH-08-01315
DATE IN: 21 August 2008 **DATE OUT:** 02 September 2008

Applicant:	Amscan Hong Kong		
Contact:	Frank Chung / Bobo Lam / Yoyo Tam / Anita Lam / Tim Kam / Mitch Kase / Polly Hui		
Address:	Shop 60, LG/F Houston Centre, 63 Mody Road, Tsimshatsui East, KLN, HK		
TEL :	23691896 (Ext: 215)	FAX:	23691892
E-mail:	fchung@amscanhk.com.hk blam@amscanhk.com.hk alam@amscanhk.com.hk ytam@amscanhk.com.hk tkam@amscanhk.com.hk mkase@amscan.com phui@amscanhk.com.hk		
Copy To:	--		

<u>OVERALL RATING</u>	
SATISFACTORY	X
UNSATISFACTORY	--

Sample Information

	Product Description:	bottle w/straw-candy cane
	SKU Number:	350412
	Purchase Order Number:	--
	No. of Sample Submitted:	6 pcs
	Country of Origin:	--
	Country of Destination:	US
	Vendor:	12011
	Manufacturer:	--

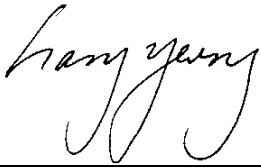
Testing Status

Pre- Production	<input type="checkbox"/>	Production	<input type="checkbox"/>	Pre- Test	<input type="checkbox"/>
Retest	<input type="checkbox"/>	Previous Report No.: --			

Test Result Summary

Test Requested	Result
MTS Protocol (US) - Plastic Food Container	PASS
Phthalates Content – California Proposition 65	PASS

For and on behalf of
Modern Testing Services (Hong Kong) Ltd.



YEUNG Ngai Hong, Gary
 Regional Manager, Hardlines



AMSCAN TEST REPORT

TEST SUMMARY:

The sample passed the tests listed in the protocol. (PASS)

TEST DATA:

U.S. FDA 21 CFR 177.1520 – Olefin Polymers - Polyethylene

For use in articles that contact food except for articles used for packing or holding food during cooking

Parameter	Unit	Result		Limit
		1	2	
Density	g/cm ³	0.956	0.906	0.85 - 1.00
n-Hexane Extractives	% w/w	<0.2	1.2	≤5.5
Xylene Extractives	% w/w	0.7	7.5	≤11.3
Conclusion		PASS	PASS	-

Test Item 1: White / Red plastic (Bottle) (Bottle w/ straw – Candy cane) (Client claimed material: PE)

Test Item 2: White plastic (Cap) (Bottle w/ straw – Candy cane) (Client claimed material: PE)

Note: g/cm³ = gram per cubic centimetre
 % w/w = percent weight by weight
 “<” = less than
 “≤” = less than or equal to

Method: U.S. FDA 21 CFR 177.1520

U.S. FDA 21 CFR 177.1630 – Polyethylene Phthalate Polymers – Polyethylene Phthalate Plastics

Extracting condition: Water (250 °F, 2 hr.), Heptane (150 °F 2 hr.), 50% Ethanol (120 °F, 24 hr.)

Parameter	Unit	Result	Limit
		1	
Chloroform - Soluble Extractives			
Distilled Water	mg/in ²	<0.05	≤0.5
n-Heptane	mg/in ²	<0.05	≤0.5
50% Ethanol	mg/in ²	<0.05	≤0.5
Conclusion		PASS	-

Test Item 1: Transparent plastic with Silvery glitter (Straw) (Bottle w/ straw – Candy cane) (Client claimed material: PET)

Note: mg/in² = milligrams per square
 “<” = less than
 “≤” = less than or equal to

Method: U.S. FDA 21 CFR 177.1630



AMSCAN TEST REPORT

Page 3 of 4
Report Number: HH-08-01315

Phthalates Content – California Proposition 65

A. For toys and childcare articles

Parameter	CAS No.	Unit	Result			Limit
			1	2	3	
Dibutyl phthalate (DBP)	84-74-2	%	<0.005	<0.005	<0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	<0.005	<0.005	<0.005	0.1
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	<0.005	<0.005	<0.005	0.1
Conclusion		-	PASS	PASS	PASS	-

B. Additional requirements for toys and childcare articles, which can be placed in mouth by the children (See Remark)

Parameter	CAS no.	Unit	Result			Limit
			1	2	3	
Di-n-octyl phthalate (DNOP)	117-84-0	%	<0.005	<0.005	<0.005	0.1
Di-iso-decyl phthalate (DIDP)	26761-40-0	%	<0.005	<0.005	<0.005	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	%	<0.005	<0.005	<0.005	0.1
Conclusion		-	PASS	PASS	PASS	-

Test Item 1: White / Red plastic (Bottle) (Bottle w/ straw – Candy cane)
Test Item 2: Transparent plastic with Silvery glitter (Straw) (Bottle w/ straw – Candy cane)
Test Item 3: White plastic (Cap) (Bottle w/ straw – Candy cane)

Note: % = percentage
“<” = less than

Method: Sample was extracted with organic solvent and then analyzed by Liquid Chromatography Mass Spectrometer / Gas Chromatograph Mass Spectrometer.

Remark: Toys and childcare articles, which can be placed in mouth by the children, shall meet the requirements of both Part A and B.



AMSCAN TEST REPORT

Page 4 of 4
Report Number: HH-08-01315

NOTE:

If there is question or concern regarding the above results, please contact the appropriate lab person below:

Technical question & concern:

LAI Tat Lung, Johnny
Hardlines Manager
Tel: (852) 3604 1381
Fax: (852) 2799 9135
Email: jlai@mts-global.com

General question & concern:

YEUNG Lai Hung, June
Marketing Executive
Tel: (852) 3604 1383
Fax: (852) 2741 6159
Email: jyeung@mts-global.com

The testing lab overall rating is provided to client as an aid in reviewing report data. The rating is based on lab results. Final product acceptance or rejection is per client only. Testing of vendor's merchandise by client is not a substitute for vendor's own testing and other quality assurance related obligations in connection with its sale of merchandise to client. Client testing shall not limit client's rights, or diminish or remove any of vendor's responsibilities.



MODERN TESTING SERVICES TEST PROTOCOL

SUMMARY OF TEST RESULTS

Plastic (Housewares, Flatware, Serving Dishes, Food Contact Table Top Accessories, Drinking Vessels, Lunch Box)

Client Code -- Technician Darren
 Date In 21-Aug-08 Date Out 2-Sep-08
 Sample bottle w/straw-candy cane

Report Number HH-08-01315
 Page No. 1 of 3
 Results Reviewed by Luis

TEST CODE	TESTED PROPERTY	REQUIREMENT	Test Results	Rating
SUPPLEMENTAL PROTOCOLS				
Applicable Section from Protocol	* CA Prop 65	The sample should be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	Meet (See report for test data)	PASS
LABELING				
F.P. & L. Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	One Time Use Products	Manufacturer, Packer, or Distributor's Name & Address (City, State & Zip)	Meet	PASS
	**Fair Packaging and Labeling Act OR	Product Identification	Meet	PASS
	All Other Products	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).	Meet	PASS
**Uniform Packaging and Labeling Regulations				
19 CFR 134.11	**Country of Origin Marking	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.	Meet	PASS
MTS in-house method	Use Labeling	Use / care instructions that are clear and understandable shall be provided in language appropriate to destination countries.	Meet	PASS
ANALYTICAL				
ASTM E1613-04 / E1645-01 (Mod.)	* Lead In Surface Coating	Shall not exceed 600 ppm (0.06% by weight) total lead.	No surface coating	/
FDA, 21, CFR Parts 175 & 177 per Plastic Type	* Food Contact Plastic - Food Simulating Solvents Extractives	Shall meet applicable requirements of specific plastic material type.	Meet	PASS
PHYSICAL CHARACTERISTICS				
MTS in-house method	Dimensions (If Labeled)	Report overall dimensions; shall meet label claims (If applicable) (-0% / +5%).	D: 6.8cm H: 24.9cm / No claim	/
MTS in-house method	Weight (If Labeled)	Report overall weight; shall meet label claims (If applicable) (-0% / +5%).	61.9g / No claim	/
MTS in-house method	Capacity (If Labeled)	Report overall capacity; shall meet label claims (If applicable) (-0% / +5%).	375mL / No claim	/
MTS in-house method	Parts Inventory	Shall meet label claims.	Meet	PASS
MTS in-house method	Warpage	Shall not rock appreciably on smooth surface and not show warpage (If Applicable).	Meet	PASS



MODERN TESTING SERVICES TEST PROTOCOL

SUMMARY OF TEST RESULTS

Plastic (Housewares, Flatware, Serving Dishes, Food Contact Table Top Accessories, Drinking Vessels, Lunch Box)

Report Number HH-08-01315

Page No. 2 of 3

TEST CODE	TESTED PROPERTY	REQUIREMENT	Test Results	Rating
CONSTRUCTION & WORKMANSHIP				
16 CFR 1500.48 / 1500.49 (Mod.)	Sharp Points / Edges	Shall have no sharp points / edges, other than those required for function.	Meet	PASS
MTS in-house method	Defects	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.	Meet	PASS
MTS in-house method	Workmanship	Shall have no components missing, malformed, and / or fractured.	Meet	PASS
PERFORMANCE				
MTS in-house method	Functionality	Shall function as intended. Report details of evaluation (materials used / features tested / consumables / method / etc.)	Meet	PASS
16 CFR 1500.44	Flammability	Shall not burn with a self-sustaining flame at a rate greater than 0.1 inch per second along its major axis.	Meet	PASS
MTS in-house method	Hand Wash Exposure	Shall exhibit no exterior surface degradation after being hand washed 10 times using a national brand liquid detergent at peak of 110° F, followed by rinse in cold water.	Meet	PASS
MTS in-house method	Dishwasher Exposure (If Applicable)	Shall be no surface degradation, crazing, scratches, or deformation after 10 cycles on normal wash using national brand automatic detergent at peak wash temperature of 140° F.	Not dishwasher safe	/
MTS in-house method	Stain Resistance (If Applicable)	Shall resist staining to common food and household chemicals.	Meet	PASS
MTS in-house method	Microwave Exposure (If Applicable)	Shall withstand test with no distortion, melting, surface deformation, or staining after 5 cycles. Test filled 2/3 full of water. Note time to bring to boil (Max of 5 minutes).	Not recommended for microwave ovens	/
MTS in-house method	Impact Resistance (Drop Test) (Non fragile item only)	Shall withstand drops with no damage - 4 times from a height of 3 feet. Verify impact did not damage connections to handles if applicable.	Meet	PASS
MTS in-house method	Handle Strength (If Applicable)	Min. 10 lb static load (less than 1000 ml) Min. 20 lb static load (greater than 1000 ml)	NA	/
MTS in-house method	Resistance to Scratching Other Surfaces	No Scratching of surface – 3 cycles of 6 inches back and forth.	Meet	PASS
MTS in-house method	Snap Fit Lid (If Applicable)	Snap fit lid shall fit onto cup. Lid shall remain attached when cup is filled with liquid and inverted.	NA	/



MODERN TESTING SERVICES TEST PROTOCOL

SUMMARY OF TEST RESULTS

Plastic (Housewares, Flatware, Serving Dishes, Food Contact Table Top Accessories, Drinking Vessels, Lunch Box)

Report Number HH-08-01315

Page No. 3 of 3

TEST CODE	TESTED PROPERTY	REQUIREMENT	Test Results	Rating
MTS in-house method	Hinges / Locking Mechanism	No Failure - 100 times cycling	NA	/
Std. Measure	Holding Durability	Total weight loaded (2 times normal) no failure	Meet	PASS
MTS in-house method	Lid Seating and Fit (If Applicable)	Shall be seated evenly, no warpage, no leakage. If intended to fit snugly test with full contents and tip upside down. Lid shall not fall off.	Meet	PASS
MTS in-house method	Pitcher Flow Control	Shall not allow passage of fluid when in closed position after open / close 1,000 cycles; shall function as intended when open.	NA	/
MTS in-house method	Effects of Humidity	No change after 24 hours @ 95% RH, 100 ° F	NT	/
MTS in-house method	Effects of Heat	No visual change or failure after 4 hours at 120° F	NT	/
MTS in-house method	Effects of Extreme Temperature (Environmental)	4 hours @ 0° F and 120° F - No failure or visual change	NT	/
ASTM B117-03 (Mod.)	Resistance to Corrosion (Metal Components)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change. Modification = 1% salt (fog) spray.	NT	/

Key:

*Additional Charge For This Test

**Mandatory Requirement

Sample Size for Complete Testing: 14pcs

Test Lead time: 5 -7 working days

Protocol Creation Date: 07 July 2008