



CONSUMER PRODUCTS SERVICES DIVISION

LIFEFACTORY INC.

Technical Report: (5110)020-0074
Date Received: March 11, 2010

March 23, 2010
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PAM MARCUS
LIFEFACTORY INC.
480 GATE 5 ROAD STUDIO # 300E
SAUSALITO, CA 94965
UNITED STATES

Sample Description:	9OZ BOROILITE GLASS BOTTLE WITH SILICONE SLEEVE		
Vendor:	LIFEFACTORY INC.	Sample Size:	6
Manufacturer:	LIFEFACTORY INC.	Style No(s):	N/A
Buyer:	N/A	SKN/SKU No.:	N/A
Labeled Age Grade:	NOT PRESENT	PO No.:	N/A
Appropriate Age Grade:	ALL AGES	Ref #:	N/A
Client Specified Age Grade:	ALL AGES	Country of Origin:	FRANCE
Tested Age Grade:	ALL AGES	Assortment No.:	N/A
UPC Code:	N/A		

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The total lead content of 300ppm requirements by composite testing in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).
- The phthalates content requirements of The Consumer Product Safety Improvement Act of 2008 restricting the use of certain phthalates and banning the use of others in toys and childcare products.
- The leachable lead and cadmium requirements of Canada Glazed Ceramics And Glassware Regulations, SOR/98-176 (Amended Up To SOR/2007-30).
- The limits set forth in Title 21, Code of Federal Regulations (CFR), Section 177.1520 "Indirect Food Additives: Polymers - Olefin Polymers - Olefin Basic Copolymers (Described in paragraph (a)(3)(i))", paragraph (c)3.1, for use in articles that contact food except for articles used for packing or holding food during cooking.

For general inquiries, please contact Bureau Veritas at (716) 505-3300.

Bureau Veritas
Consumer Products Services, Inc.

Frank E. Kurzweg III
Product Test Engineer
Toy and Juvenile Products Department
frank.kurzweg@us.bureauveritas.com

Bureau Veritas
Consumer Products Services, Inc.

Antonio Lucciano
Product Test Engineer,
Toy and Juvenile Products Department
antonio.lucciano@us.bureauveritas.com

/kf



**BUREAU VERITAS TEST PROTOCOL FOR
 CPSD-08001-US
 CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)**

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
SUPPLEMENTAL PROTOCOLS					
* Electronic products	CPSD-4999.9- NA FCC part 15 / IC electronic products	--	Electronic products shall comply with the requirements of the FCC Part 15 protocol. Acceptable documentation supporting FCC Verification or Declaration of Conformity shall be provided by the submitter.	NA	-
* CPSIA Requirements	CPSD-8444-US		Shall meet the applicable requirement as specified.	M	PASS
* Food's requirements	CPSD-98XX-US	--	Test to supplementary protocol of CPSD-98XX-US.	NA	-
* Cosmetics' requirements	CPSD-7XXX-US	--	Test to supplementary protocol of CPSD-7XXX-US.	NA	-
LABELING					



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
One Time Use Products - Fair Packaging and Labeling Act - or all other products - Uniform Packaging and Labeling Regulations	F.P. and L. Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	--	[Packaging and Labeling Evaluation] - Shall be labeled with product identification. - Shall be labeled with the manufacturer, packer, or distributor's name and address (city, state and ZIP). - Net quantity of contents shall be on PDP and be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison (English and metric units). - Glue and Adhesives sold with the product shall comply with the labeling requirements of 16 CFR 500, "Regulations under section 4 of the Fair Packaging and Labeling Act"	M	PASS
Parts Labeling	CPSD-HL-01057-MTHD / Visual	--	[Packaging and Labeling Evaluation] Parts Labeling shall match the actual content if present	NA	-
Accuracy or adequacy of instructions	CPSD-HL-01057-MTHD / Visual	--	[Packaging and Labeling Evaluation] Instructions shall be legible and easy to understand; instructions shall be consistent with sample performance	M	PASS
Country Of Origin	19 CFR 134	--	[Packaging and Labeling Evaluation] Shall be marked with the country of origin when imported into the U.S. in a conspicuous place to indicate to the ultimate purchaser in the U.S., the English name of the country of origin. - All individually packaged items shall contain the country of origin - All items shipped in bulk or displayed in bulk must contain the country of origin	M	PASS



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
16 CFR 1500.130 Pressurized Container Labeling	16 CFR 1500.130	--	Self-pressurized containers shall conform to the labeling requirements as defined by 16 CFR 1500.130	NA	-
LHAMA evaluation in art material 16 CFR 1500.14	16 CFR 1500.14 (b)(8) / ASTM D4236 / ASTM F963-08 section 4.29	--	Shall conform to the labeling requirements as defined by 16 CFR 1500.14 (LHAMA)/ASTM D 4236	NA	-
Clock or watch - special markings	19 CFR 152.11 / Harmonized tariff schedule US chapter 91	--	All imported merchandise shall comply with the classification of the Harmonized Tariff Schedule. Under Chapter 91 of the Harmonized Tariff Schedule watch movements, clock movements and watch cases shall comply with the following marking requirements: - Watch movements shall be marked on the top plates or bridges with the country of manufacture, the name of manufacturer or purchaser and the number of jewels (if any), severing a mechanical purpose as frictional bearings. - Watchcases shall be marked on the inside or outside of the back with the country of manufacture and the name of manufacturer or purchaser. - Watchbands shall be marked conspicuously and indelibly with the country of manufacture. Watches with opto-electronic displays (LCD and LED) are excepted from these requirements.	NA	-
Labeling review: fiber	16 CFR 300 / 303	--	Shall have a label securely affixed that contains: - The name and manufacturer or other marketing or registration number - The country of origin - The generic name and percentage of all fibers in the product	NA	-
Labeling review: care	16 CFR 423	--	Shall have a label securely affixed that contains regular care (customary and routine) information.	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
* Mercury Labeling as applicable to Button Cell Battery powered devices. (If Applicable)	CT: CGS Section 22a-619, NY: Chap 145, Title 21 Ch. 27 2101-2115, IN IC 13-20-17.5	--	(If a button cell is found to have intentionally added mercury, such as by testing at over 5 ppm, CT requires products containing mercury have labeling to indicate the presence of mercury and instructions on how to properly dispose of the product. This labeling must be present in the Care and Use Manual and on the Packaging.) Product or packaging for items with button cells found to have intentionally added mercury, that may be distributed to states with Mercury legislation shall be Marked so as to be clearly visible prior to the sale and Product itself shall be marked permanently for the life of the product with the following "Battery Contains Mercury. Do Not Put in Trash. Recycle or Manage as Hazardous Waste." Or equivalent. CT, NY and IN further require that the product with button cell batteries that contain Hg to be replaceable. Product with button cells found to have intentionally added mercury that may be distributed to CT or NY shall have the batteries replaceable, allowing for use of common household tools.	NA	-
Labeling of hazardous substances	16 CFR 1500.14(b)(1-5)	--	Substances have a special hazards to health shall have conform labeling requirement as defined by 16 CFR 1500.14(b)(1-5)	NA	-
California tableware safety programs - ceramic or pewter or enamel metalware	California Health and Safety Code Section 108870	--	[Marking] All tableware items distributed in the State of California with lead or cadmium intentionally added or which are unintentionally contaminated must be permanently and indelibly marked with the name, or if the item is too small, a registered trademark, of the manufacturer or importer.	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
Lenses - impact resistance - documentation review	21 CFR 801.410	--	[SAFETY REQUIREMENTS] Shall be fitted with impact-resistant lenses to protect the consumer from potential eye injuries. Lenses shall meet an AQL of 6.5 as specified in 21 CFR 801.410 when subjected to FDA using MIL-STD 105E or FDA approved statistical sampling plan. In lieu of testing, test report can be submitted if dated within one year. It is the vendor's responsibility to assure the manufacturer is registered under the FDA.	NA	-
* Battery-operated toys - compartment markings	ASTM F963-08 section 4.25.1 modified	--	[SAFETY REQUIREMENTS] Shall be marked permanently on battery compartment or immediately adjacent to the battery compartment to show the correct polarity using symbols "+" and "-". Additional markings must indicate the correct battery size and voltage. These markings are not required for button cell, non-replaceable batteries or rechargeable battery packs that, by design, can only be inserted correctly.	NA	-
* Battery - operated	ASTM F963-08 section 4.25.3 modified	--	[SAFETY REQUIREMENTS] Shall be designed so that it is not possible to charge any non-rechargeable battery. This requirement does not apply to button cell type batteries or circuits having one or two non-rechargeable batteries as the only source of power.	NA	-
* Battery - operated	ASTM F963-08 section 4.25.6 modified	--	[SAFETY REQUIREMENTS] Batteries of different types or capacities shall not be mixed within any single circuit.	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
* Battery - operated	ASTM F963-08 section 4.25.7-8 modified	--	[SAFETY REQUIREMENTS] The surface of the batteries shall not achieve temperatures exceeding 71°C or present a combustion hazard before and after use and abuse testing. If the external moving parts that are mechanically linked to a motor can be stalled by the user, test for a stalled motor condition to determine conformance with this requirement.	NA	-
Art materials (lhama) documentation review	16 CFR 1500.14 (b)(8) / ASTM D4236 / ASTM F963-08 section 4.29	--	[SAFETY REQUIREMENTS] Samples shall meet the requirements intended to minimize the potential risks associated with the use of art materials that present chronic, long-term health hazards (ASTM D4236/LHAMA). In lieu of testing, test report can be submitted if dated within five years.	NA	-
Liquid toxicity 16 CFR 1500.231 - document review	16 CFR 1500.231	--	[SAFETY REQUIREMENTS] [Liquid Screen] To identify the presence of potentially hazardous ingredients, all liquid filled items intended or likely to be used by children shall comply with this requirement. In lieu of testing, test report can be submitted if dated within one year.	NA	-
* Safety Agency Listing Verification	CPSD-EL-01090-MTHD / Verification procedure	--	[SAFETY REQUIREMENTS] Verify Client Acceptable Safety Agency Listing by contacting Listing Agency with the sample's Listing Number, Manufacturer, Model Number, and/or Agency Control Number. Shall be verified.	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
* Labeling review: care	16 CFR 423	--	[SAFETY REQUIREMENTS] For wearing apparel covered by 16 CFR 423: With care label: Conduct laundry test according to the labeled care instruction. Evaluate for general appearance as acceptance criteria. Without care label: Failed for labeling requirement. No softline test will be conducted. For wearing apparel not covered by 16 CFR 423: With care label: Conduct laundry test according to the labeled care instruction. Evaluate for general appearance as acceptance criteria. Without care label: No softline test is required.	NA	-
Battery-operated toys - compartment markings	ASTM F963-08 section 4.25.1 modified	--	Non-replaceable batteries that are accessible with the use of coin, screwdriver or other common household tool shall bear a statement that the battery is not replaceable.	NA	-
ANALYTICAL					
* CPSC Extractable lead from crayons & art supplies	CPSC Guidance Letter1	--	Specific art materials shall comply with the requirements as defined by the guidelines of the CPSC of no greater than 0.01% (100ppm) lead.	NA	-
* Mercury in batteries US PL	Battery Act Public Law 104-142 / CPSD-AN-00078-MTHD	--	[SAFETY REQUIREMENTS] Alkaline-manganese batteries, alkaline-manganese button cell batteries, zinc-carbon batteries, mercuric-oxide button cell batteries shall conform to respective requirements. Actual testing would be conducted on button cell batteries. It is the vendor's responsibility for the conformity to this requirement for other batteries.	NA	-
21 CFR 170.39 Food contact (metal) - doc	21 CFR 170.39	--	All metal components of cups, mugs or other food contact articles shall be constructed of an FDA recognized grade of stainless steel. Stainless Steel Grades: 302, 304, 304F, 316, 321, 410, 416, 420 (cutlery only), 440, 440A, 440C, 904L, A-36 and CF-1018.	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
* Astm e1086-94 metal composition and gras evaluation	21 CFR 170.39	--	For any other grade of stainless steel or other metal, vendor need to provide the list of compositions or will have the material evaluated which shall be submitted to the FDA for review and approval for use in food contact articles. (Vendor shall be responsible for the accuracy of information provided)		
* Extractable Pb & Cd (interior) FDA	FDA CPG 7117.06 & 7117.07 / California Tableware Safety Law / AOAC 973.32 (2000) / ASTM C738-94 / CPSD-AN-00011-MTHD	--	[SAFETY REQUIREMENTS] [Ceramic Interior] Children products made of ceramic intended or likely to hold food shall conform to the applicable requirements of the FDCA, Section 402 (a)(2)(c) and FDA Compliance Policy Guides	NA	-
* Extractable lead and cadmium from ceramic food contact product	CPSD-AN-00011-MTHD	--	[SAFETY REQUIREMENTS] [Prop 65 lead/cad] [12 pcs] Children products made of ceramic intended or likely to hold food shall conform to the applicable requirements of the state of California.	NA	-
* Extractable lead and cadmium from ceramic food contact product	California Health and Safety Code 108860 / CPSD-AN-00011-MTHD	--	[SAFETY REQUIREMENTS] [lead and cadmium] Toys made of ceramic intended or likely to hold food shall conform to the applicable requirements of the state of California.	NA	-
* Extractable Pb & Cd (lip & rim) SGCD	ASTM C927-80 (2004) / CPSD-AN-00011-MTHD	--	Exterior decorations applied within 20 mm of the rim of cups, mugs, glasses or other vessels shall conform to the applicable requirements as defined by the standards	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
Toxics in packaging (TPCH) - documentation review	Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse	--	[SAFETY REQUIREMENTS] This environmentally motivated legislation regulates the amount of lead, cadmium, hexavalent chromium and mercury allowed in packaging materials. It is the vendor's responsibility for the conformity of this requirement.	NA	-
* 16 CFR 1507 Pyrotechnic Composition	16 CFR 1507.11	--	[SAFETY REQUIREMENTS] Party poppers (also known as champagne party poppers and party surprise poppers) and Christmas crackers shall contain no more than 0.25 grains (16.2 mg) of pyrotechnic material.	NA	-
Toxicity and irritancy by TRA 16 CFR 1500.3 - document review	16 CFR 1500.3	--	[SAFETY REQUIREMENTS] Products intended for use by children, including toys and parts of toys, must not be toxic or cause skin or eye irritation., Toxicity Risk Assessment shall be conducted to substantiate the compliance of the regulation for the following components: <ul style="list-style-type: none"> - All liquids, pastes, putties, gels and powders regardless of claim - Other materials bearing a "NON-TOXIC" claim on samples and/or its packaging In lieu of testing, test report can be submitted if dated within five years.	NA	-
* Combustible liquids	16 CFR 1500.3 (c)(6)(iii) / 16 CFR 1500.43(a)	--	[SAFETY REQUIREMENTS] [Liquid Screen] Method of test for flashpoint of potentially volatile combustible materials (150°F / 65.6 °C). All liquid filled items intended or likely to be used by children shall comply with this requirement.	NA	-
ASTM F1313 Nitrosamines - doc	ASTM F1313	--	[SAFETY REQUIREMENTS] Rubber nipples on pacifiers, when sampled to ASTM F1313, shall not contain more than 10 parts per billion (ppb) of any one nitrosamine per three aliquots of sample nor exceed 20 ppb total nitrosamines. In lieu of testing, test report can be submitted if dated within one year.	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
Nitrosamines content - documentation review	FDA CPG 7117.11	--	[SAFETY REQUIREMENTS] Rubber Baby Bottle Nipples shall comply with the nitrosamine content requirement of the FDA Compliance Policy Guides, Section 500.450 Volatile N-Nitrosamines in Rubber Baby Bottle Nipples (CPG 7117.11). In lieu of testing, test report can be submitted if dated within one year.	NA	-
* Bisphenol A content	Various state laws (CT Public Act # 09-103 and MN Chapter 40 SF #247) / CPSD-AN-00169-MTHD	--	The following products shall not contain any detectable levels of Bisphenol-A (BPA) (BV reporting limit is 2ppm): - Infant formula or baby food stored in a plastic container, jar or can - All reusable food or beverage containers "Infant formula" means a commercially available milk based or soy based powder, concentrated liquid or ready-to-feed substitute for human breast milk that is intended for infant consumption. "Baby food" means a commercially available prepared solid food consisting of a soft paste or an easily chewed food that is intended for consumption by children two years of age or younger. "Reusable food or beverage container" means a receptacle for storing food or beverages, including, but not limited to, baby bottles, spill-proof cups, sports bottles and thermoses, and excluding containers intended for disposal after initial use. Report actual results or include data table within report Actual testing will be conducted on polycarbonate and epoxy resin materials only. Vendors shall be responsible for the compliance of all other materials. Until January 1, 2011, this is a client requirement	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
* FDA FSSE 21 CFR 175-177	21 CFR 170-189 / CPSD-AN-00002-MTHD	--	[SAFETY REQUIREMENTS] [21 CFR 175-177 Solvent extract (general)] [21 CFR 181.32 Acrylonitrile copolymers and resins] Product intended to be used in contact with food shall conform to the applicable requirements of the Food, Drug, and Cosmetic Act (FDCA), specifically 21 CFR 170 through 189. All testing will be conducted on the final product. It is the vendor's responsibility to provide accurate identification of all polymers used. For food contact items containing PVC, PETG, Styrene Block Polymers, Polyester Elastomers or ABS (Acrylonitrile > 30%), it is acceptable for the vendor to submit either a test report or a letter of compliance (dated within one year) indicating the only food grade materials were used in the manufacturing process.	M	PASS
HAZARDS					
Mechanical hazards - children's products	16 CFR 1500 / 1501	--	[SAFETY REQUIREMENTS] [Except Food contact Items] Shall meet the requirements specified in the standard.	M	PASS
16 CFR 1500 Mechanical hazards (Food contact Items only)	16 CFR 1500 / 16 CFR 1501 (mod.)	--	[SAFETY REQUIREMENTS] [Client's Requirement] Shall meet the requirements specified in the standard. Food contact items made in glass or ceramic materials are exempted for Mechanical Hazard testing. Mod. = expanded scope.	M	PASS
* Pacifiers	16 CFR 1511	--	[SAFETY REQUIREMENTS] Samples shall meet the safety requirements as specified in 16 CFR 1511.	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
* Electrically Operated Toys	16 CFR 1505	--	Children's products operating from nominal 120-V branch circuits shall conform to the requirements of 16 CFR 1505.	NA	-
FLAMMABILITY					
Flammability of solids	16 CFR 1500.44	--	[SAFETY REQUIREMENTS] Shall not exceed the maximum allowable limit of no greater than 0.1 inches per second	M	PASS
Flammability of self-pressurized containers	16 CFR 1500.3 (c)(6)(viii) / 16 CFR 1500.45	--	[SAFETY REQUIREMENTS] Self-pressurized container shall meet the flammability requirements of 16 CFR 1500.3(c)(6)(viii).	NA	-
CPAI-75 Flammability (Sleeping Bags) - doc review	CPAI-75	--	[SAFETY REQUIREMENTS] Materials shall comply with the requirements as defined. In lieu of testing, test report can be submitted if dated within one year.	NA	-
Camping tentage material flammability	CPAI-84	--	[SAFETY REQUIREMENTS] Materials shall comply with the requirements as defined. In lieu of testing, test report can be submitted if dated within one year.	NA	-
PERFORMANCE					
* ANSI Z80.3 Luminous transmittance UVA/B ANSI Z80.3 Traffic signal recognition	ANSI Z80.3	--	[SAFETY REQUIREMENTS] Shall comply with luminous transmittance properties and traffic signal recognition requirements for non-prescription sunglasses and fashion eyewear as specified based on intended primary function: general purpose, cosmetic use, and special purpose (skiing, climbing, beach, etc). Sunglasses containing a UVA/UVB protection, Traffic signal recognition and/or other ANSI Z80.3 claim will be tested to substantiate such claims.	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
* UL Testing	UL Standard	--	[SAFETY REQUIREMENTS] [For electrically operated product] Item will be audited to verify compliance with the selected sections of the applicable and/or labeled UL standard.	NA	-
* AATCC 20A Quantitative	16 CFR 303	--	Shall be tested to substantiate fiber content. Shall not exceed a deviation of +/- 3% from the label as allowed for blends and no deviation for items labeled 100% of a fiber.	NA	-
Actual use - functionality - not covered by other tests	CPSD-HL-01058-MTHD / Actual Use	--	Shall function as intended	NT	-
* Air Leakage For Inflatable	Per Criteria	--	Inflatable shall be evaluated for air leakage for duration of one hour.	NA	-
* Dishwasher Claim Verification	Per Criteria	--	Items containing a dishwasher safe claim will be subjected to 5 normal cycles and evaluated for any color change, warping, breaking, leaking or other defects.	NT	-
* Microwave Claim Verification	Per Criteria	--	Items containing a microwave safe claim will be subjected to 10 normal cycles and evaluated for any color change, warping, breaking, leaking or other defects.	NA	-
* Freezer Claim Verification	Per Criteria	--	Items containing a freezer safe claim will be subjected to 3 freeze/thaw cycles and evaluated for any color change, warping, breaking, leaking or other defects.	NA	-



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CHILDREN'S PRODUCTS (NON-TOYS, 0 - 14 YEARS)

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
OTHER					
Age Grading	CPSC Age Determination Guidelines -2002	--	All products shall be tested according to either the appropriate age grade, as determined by BVCPS, or the labeled age grade if it is more stringent. In the event the sample is not age labeled, BVCPS will determine the appropriate age grade and test accordingly	Labeled: Not Present Appropriate: All Ages Tested: All Ages	-
IMPORTANT NOTE: The information presented under the "Criteria" of this protocol is for information only and does not replace the content of the standard. Details of the requirements should be referred to the original standards.					

Key:

- * Additional Charge For This Test
- ** Mandatory Requirement
- # By Request Only

Results Key:

- M Meets
- NA Not Applicable
- NM Does Not Meet
- NT Not Tested
- C Claimed
- R Recorded

Rating Key:

- Pass.
- Fail.



Image Appendix			
T-0002 Abuse Test Conditions w Age.jpg	Testing Parameter	Age (Months)	Abuse Test Conditions
	Drop Test	0 to ≤18	4.5 ft. (1.37 m) 10 drops
		>18 to ≤36	3 ft. (0.91 m) 4 drops
		>36 to ≤96	3 ft. (0.91 m) 4 drops
	Torque Test	0 to ≤18	2 in – lb. (0.23 N - m)
>18 to ≤36		3 in – lb. (0.34 N - m)	
>36 to ≤96		4 in – lb. (0.45 N - m)	
Tension Test	0 to ≤18	10 lb. (44.5 N)	
	>18 to ≤36	15 lb. (66.8 N)	
	>36 to ≤96	15 lb. (66.8 N)	
Compression Test	0 to ≤18	20 lb. (89 N)	
	>18 to ≤36	25 lb. (111.3 N)	
	>36 to ≤96	30 lb. (133.5 N)	



No. of samples required for complete testing:	-
Toys and Hardgoods (case by case for assortments)	3
No. of working days for complete testing:	5
Electric/Battery Operated (per style)	-
Electric (per style with adapter/transformer)	-
Dinnerware, Mugs, Pitchers, etc (decorated lip/rim)	12(18)
Sunglasses (Lenses)	-
Product contain Fiber Content	1 additional Minimum additional 2 pcs and 1 additional pc for each care instruction
Product contain Care Label	

Client Approval Date:	
Client Approval Name:	
Creation Date:	05-01-98
Pricing Review Date:	07-09-09
Editorial Revision Date:	12-21-09
Technical Review Date:	11-13-09
Revision No.	24



**BUREAU VERITAS TEST PROTOCOL FOR
 CPSD-8001-CN
 Children's Products (Non-toys, 0 – 14 years)
 (This protocol does not cover apparels and furniture)**

Evaluation	Citation/Method	Criteria	Rating
SUPPLEMENTAL PROTOCOLS			
*Upholstered and Stuffed Articles Label	Applicable Section from Protocol CPSD-GB-PTCL-01990-CN	All applicable samples shall be reviewed against the requirements of the applicable Provincial Regulation (Ontario, Quebec or Manitoba) for Upholstered and Stuffed Articles labeling. This also applies to items with Filling Materials that include solid cores with non-textile outer coverings including finishes such as lacquers, acrylics and sugar beaded finishes.	NA
LABELING REQUIREMENTS			
Packaging and Labeling Evaluation			
Consumer packing and labeling act and regulations	Consumer packaging and labeling act and regulations C.R.C.,c.417 section 6	Product Identity - English and French, PDP, Bold. Product Net Quantity shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison - English and French and Metric, PDP, Bold. Manufacturer or Distributor's Name and Place of Business (city and postal code) - English or French, placed anywhere except bottom.	M
Consumer packing and labeling act and regulations	Consumer packaging and labeling act and regulations C.R.C.,c.417 section 6	All mandatory labeling information must be shown in both French and English languages. The type of mandatory labeling that is required includes, but is not limited to, any written statement or warning, product identity, net content and ingredient declarations. The names and address of the manufacturer and country of origin labeling requirements may be presented in either French or English. Other supplemental label information that is considered to be non-mandatory (e.g. directions for use) also does not have to appear in a bilingual manner. However, manufacturers are encouraged to include such information in a bilingual format if plausible.	M
Quebec Labeling	Charter of the French language R.S.Q. c.C-11	Every inscription on a product container, wrapping, leaflet, brochure or card supplied with the product, including the directions for use and warranty certificates, must be drafted in French. No inscription in another language may be given greater prominence than that in French.	M
Country of origin	Marking of imported goods order, C.R.C., c. 535 Canada Customs Tariff, Marking of Imported Goods Regulations, SOR-94-10	<ul style="list-style-type: none"> • For any goods imported from non-NAFTA countries to Canada, the declaration should appear on the individual article. • If at the point of sale, the packaging conceals the declaration on the product, then the packaging shall also be labeled with a declaration. • The declaration shall consist of: <ul style="list-style-type: none"> - The name and address of a Canadian dealer preceded by the words "imported by" ("importe par") or "imported for" ("importe pour"); or - The statement of geographic origin located immediately adjacent to the name and address of a Canadian dealer; or - The name and address of the dealer outside Canada <p>The minimum font type height shall be 1.6 mm as measured with reference to the lower case "o" English or French.</p>	M



**BUREAU VERITAS TEST PROTOCOL FOR
 CPSD-8001-CN
 Children's Products (Non-toys, 0 – 14 years)
 (This protocol does not cover apparels and furniture)**

Evaluation	Citation/Method	Criteria	Rating
Parts Labeling	Visual	Shall match the actual content if present	NA
Instructions	Visual	Shall be legible and easy to understand; instructions shall be consistent with sample performance	NA
*Canadian Consumer Chem. & Containers Reg. -Labeling	Consumer Chemicals and Containers Regulations, 2001, SOR-2001-269, Section 15 -32	Shall comply with the labeling requirements specified in Consumer Chemicals and Containers Regulations (Vendor shall be responsible for the accuracy of information contained)	NA
*Cosmetic Regulations C.R.C., c. 869 – Labeling *Cosmetic Regulations C.R.C., c. 869-color additive	Cosmetic Regulations C.R.C., c. 869	Shall comply with the labeling and ingredient requirements specified in Cosmetic Regulations C.R.C., c. 869 (Vendor shall be responsible for the accuracy of information contained)	NA
*F&D Regulations C.R.C., c. 870–labeling&ingredient	Food and Drug Regulations C.R.C., c. 870	Shall comply with the labeling and ingredient requirements specified in Food and Drug Regulations C.R.C., c. 870 (Vendor shall be responsible for the accuracy of information contained)	NA
SOR/90-245 Hazard products (tents) reg - inform	Hazardous Products (Tents) Regulations SOR/90-245 Section 4	The product shall have a label that is permanently affixed to the product at a prominent location and that displays in a legible manner in <u>both</u> official languages: (a) The following statement in upper-case letters not less than 3 mm in height: "WARNING: KEEP ALL FLAME AND HEAT SOURCES AWAY FROM THIS TENT FABRIC/MISE EN GARDE : TENIR LE TISSU DE CETTE TENTE LOIN DE TOUTE FLAMME ET DE TOUTE SOURCE DE CHALEUR"; (b) the following statement: "This tent is made of flame-resistant fabric. It is not fireproof. The fabric will burn if left in continuous contact with a flame source./Cette tente est fabriquée d'un tissu résistant au feu, mais qui n'est pas ininflammable. Ce tissu brûlera s'il est laissé en contact continu avec une source d'inflammation."; and (c) the information set out in Schedule I, in the words used in that schedule or in other words that convey the same meaning.	NA
SAFETY REQUIREMENTS			
CHPA Mechanical hazards regulations (toys)	CHPA C.R.C., C.931 CHPA R.S., c. H-3, Sch. I, Pt. 1	Shall comply with the labeling and mechanical hazards requirements of the Canadian Hazardous products (toys) regulations, C.R.C, c.931 and the Canadian Hazardous Products Act, R.S.c. H-3, Schedule I, Part 1.	M
*CHPA Heavy metals content	CHPA R.S., c. H-3, Schedule I, Part I, Item 2 & 18	Pencils, artists' brushes and other articles, intended for children, painted with a liquid coating material shall comply with requirement for total lead content of no greater than 0.06%. In case of insufficient coating for testing found on number of samples specified in the protocol, vendor needs to provide additional up to 12 pieces of samples. If it is still insufficient, vendor needs to provide wet paints, dipped parts or components/parts for testing.	NA
CHPA Cellulose Nitrate	CHPA R.S., c. H-3, Schedule I, Part I, Item 7	Shall not exhibit burn characteristics associated with materials in whole or in part, made of or impregnated with Celluloid or Cellulose Nitrate.	M



**BUREAU VERITAS TEST PROTOCOL FOR
 CPSD-8001-CN
 Children's Products (Non-toys, 0 – 14 years)
 (This protocol does not cover apparels and furniture)**

Evaluation	Citation/Method	Criteria	Rating
*CHPA Sch. I Pt. I item 4 Textile flam-nonbedding	CHPA R.S., c. H-3, Schedule I, Part I, Item 4	Products made in whole or in part of textile fibers when tested in accordance with CAN/CGSB 4.2 NO. 27.5-94, Textile Test Methods – Flame Resistance – 45° Angle Test – One Second Flame Impingement, shall have a time of flame spread of: (a) greater than 3.5 seconds, where the products do not have a raised fiber surface; OR (b) greater than 4 seconds, where the products have a raised fiber surface and exhibit ignition or fusion of their base fibers.	NA
*CHPA Sch. I Pt. I item 13 Textile flam-bedding	CHPA R.S., c. H-3, Schedule I, Part I, Item 13	Bedding, except mattresses, that is made in whole or in part of textile fibres when tested in accordance with CAN/CGSB 4.2 NO. 27.5-94, Textile Test Methods – Flame Resistance – 45° Angle Test – One Second Flame Impingement, shall have a time of flame spread of: (a) greater than 7 seconds, where the products do not have a raised fiber surface; OR (b) greater than 7 seconds, where the products have a raised fiber surface and exhibit ignition or fusion of their base fibers.	NA
Modeling Clay	CHPA R.S., c. H-3, Schedule I, Part I, Item 28	Shall not contain actinolite, amostie, anthophyllite, chrysolite, crocidolite, cummingtonite, tremolite or any other type of asbestos. It is the vendor's responsibility for the conformity of this requirement.	NR
*Canada Guidelines for lead-art materials	Health Canada	Shall comply with requirement for lead content of no greater than 0.0075% weight/weight for crayons, modeling clay and children's water paints.	NA
* Canadian SOR/98-176 Leachable Pb&Cd	CHPA R.S., c. H-3, Schedule I, Part II, Item 20.1 Hazardous Products (Glazed Ceramics and Glassware Regulations) SOR/98-176	Products made of glazed ceramic or decorated glass intended or likely to hold food shall conform to the applicable requirements of the Hazardous Products (Glazed Ceramics and Glassware Regulations) for Leachable Lead and Cadmium.	M
*Canada Total lead in children jewelry-new reg. *Canada Soluble lead in children jewelry-new reg.	Health Canada	Shall comply with requirement for total Lead content of no greater than 600 ppm AND soluble Lead content of no greater than 90 ppm.	NA
*Canadian Mercury in Cosmetics	Cosmetic Regulations C.R.C., c. 869	Cosmetics shall NOT contain mercury or a salt or derivative thereof unless (a) it is intended for use in the area of the eye; (b) the mercury or its salt or derivative thereof is used as a preservative; and (c) the manufacturer or importer has evidence demonstrating that the only satisfactory way to maintain the sterility or stability of the cosmetic is to use mercury or a salt or derivative	NA
CHPA Toxicological Risk Assessment - doc review	CHPA C.R.C., C.931 Section 10, 11 & 14(c) Schedule 1 Part II, Item 13 (p) & (q)	Shall not allow access to toxic substances that may be ingested, inhaled, or absorbed through the skin OR the total quantity shall not exceed the specified limit; and shall not allow access to corrosive substances, irritants, or sensitizers that may come in contact with the skin OR shall not present the hazard as specified. Toxicity Risk Assessment shall be conducted to substantiate the compliance of the regulation for the following components: <ul style="list-style-type: none"> • All toy cosmetics, liquids, pastes, putties, gels and powders regardless of claim • Other materials bearing a "NON-TOXIC" claim on samples and/or its packaging In lieu of testing, test report can be submitted if dated within five year.	NA



**BUREAU VERITAS TEST PROTOCOL FOR
 CPSD-8001-CN
 Children's Products (Non-toys, 0 – 14 years)
 (This protocol does not cover apparels and furniture)**

Evaluation	Citation/Method	Criteria	Rating
CHPA R.S.c. H-3 Schedule I Pt 1 Item 8 – doc [Hazardous Substances]	CHPA R.S., c. H-3, Schedule I, Part I, Item 8	Shall NOT contain any of the following substances if it can, under reasonably foreseeable circumstances, become accessible to a child or where the substance is a filling that may be released on breakage or leakage.: (a) carbon tetrachloride or any substance containing carbon tetrachloride, (b) methyl alcohol or any substance containing more than 1 per cent weight to volume of methyl alcohol, (c) petroleum distillates or any substance containing more than 10 per cent weight to volume of petroleum distillates, (d) benzene, (e) turpentine or any substance containing more than 10 per cent weight to volume turpentine, (f) boric acid or salts of boric acid, or (g) ethyl ether In lieu of testing, test report can be submitted if dated within one year.	NA
* CSA C22.2 No. 149 Electric toys *CSA C22.2 No. 149 Electric toys with transformer	CSA C22.2	Shall meet the requirement as specified by CSA applicable standard.	NA
Radio standards spec. (RSS) for R/C toy - doc	RSS-210 or RSS-310	Intentional radiator shall meet the requirements of RSS-210 or RSS-310. In lieu of testing, test report can be submitted if dated within two year.	NA
*Safety Agency Listing Verification	E – 1090	Verify Client Acceptable Safety Agency Listing by contacting Listing Agency with the sample's Listing Number, Manufacturer, Model Number, and/or Agency Control Number. Shall be verified.	NA
*ANSI Z80.3 Luminous transmittance UVA/B *ANSI Z80.3 Traffic signal recognition	ANSI Z80.3 (Client's Requirement)	Shall comply with luminous transmittance properties and traffic signal recognition requirements for non-prescription sunglasses and fashion eyewear as specified based on intended primary function: general purpose, cosmetic use, and special purpose (skiing, climbing, beach, etc). Sunglasses containing a UVA/UVB protection, Traffic signal recognition and/or other ANSI Z80.3 claim will be tested to substantiate such claims.	NA
Soothers and Pacifiers USP <71> Sterility test - doc review	CHPA R.S., c. H-3, Schedule I, Part I, Item 14	Products for babies, including teether, soother and pacifier, that are put in the mouth when used and that contain a filling shall not have a viable microorganism per USP <71> sterility test. In lieu of testing, test report can be submitted if dated within one year. Accept BV report only.	NA
*Pacifiers and similar products	CHPA R.S., c. H-3, Schedule I, Part II, Item 27 Hazardous Products (Pacifiers) Regulations C.R.C., c. 930	Shall comply with the Toxicity and Design and Construction requirements specified by the Hazardous Products (Pacifiers) Regulations	NA
CHPA nitrosamine – doc review	Hazardous Products (Pacifiers) Regulations C.R.C., c. 930	No product or any part or component of the product shall contain more than 10 micrograms per kilogram total volatile N-nitrosamines, as determined by dichloromethane extraction. In lieu of testing, test report can be submitted if dated within one year.	NA
CHPA nitrosamine – doc review	Hazardous Products (Infant Feeding Bottle Nipples) Regulations SOR/91-260	No product or any part or component of the product shall contain more than 10 micrograms per kilogram total volatile N-nitrosamines, as determined by dichloromethane extraction. In lieu of testing, test report can be submitted if dated within one year.	NA



**BUREAU VERITAS TEST PROTOCOL FOR
 CPSD-8001-CN
 Children's Products (Non-toys, 0 – 14 years)
 (This protocol does not cover apparels and furniture)**

Evaluation	Citation/Method	Criteria	Rating
*SOR/90-245 Hazard products (tents) reg - perform	Hazardous Products (Tents) Regulations SOR/90-245 Section 5 & 6	Shall comply with the performance requirements specified in Sections 5 and 6 of the Hazardous Products (Tents) Regulations.	NA
*Leakage Test	Consumer Chemicals and Containers Regulations, SOR-2001-269, Section 7 - 8	A container (except single-use container) of a liquid chemical product must pass the leakage test described in Schedule 3 of this regulations	NA
*Child-Resistant Container	Consumer Chemicals and Containers Regulations, 2001, SOR-2001-269, Section 9 – 14, 40 & 47	Chemical products (e.g. glue or adhesive in repair kit) that are classified as toxic and corrosive under section 33 and 41 respectively must be in a child-resistant container which (a) is constructed so that it can be opened only by operating, puncturing or removing one of its functional and necessary parts using a tool that is not supplied with the container; or (b) meet the child test protocol requirements of one of CSA-Z76.1, ISO 8317 or 16 CFR 1700.20 or a standard that is at least equivalent. AND Maintain its child-resistant characteristics throughout the useful life of the product.	NA
WORKMANSHIP AND PERFORMANCE REQUIREMENTS			
Function	Per instruction or Intended	Shall function as intended	NT
*Air Leakage For Inflatable	Per Criteria	Inflatable shall be evaluated for air leakage for duration of one hour.	NA
*Dishwasher Claim Verification	Per Criteria	Items containing a dishwasher safe claim will be subjected to 5 normal cycles and evaluated for any color change, warping, breaking, leaking or other defects.	NT
*Microwave Claim Verification	Per Criteria	Items containing a microwave safe claim will be subjected to 10 normal cycles and evaluated for any color change, warping, breaking, leaking or other defects.	NA
*Freezer Claim Verification	Per Criteria	Items containing a freezer safe claim will be subjected to 3 freeze/thaw cycles and evaluated for any color change, warping, breaking, leaking or other defects.	NA

IMPORTANT NOTE: The information presented under the "Criteria" of this protocol is for information only and does not replace the content of the standard. Details of the requirements should be referred to the original standards.



Rating Key:

M Meets NM Does Not Meet
 NA Not Applicable NR Not Requested
 * Additional Charge For This Test

Testing Parameter	Age (Months)	Abuse Test Conditions
Drop Test	0 to ≤36	4.5 ft (1.37 m), 4 drops
	>36 to ≤168	3 ft (0.91 m), 4 drops
Tension Test	0 to ≤168	10 lb (44.5 N)

No. of samples required for complete testing:	
Toys and Hardgoods (case by case for assortments)	3
Electric/Battery Operated (per style)	
Electric (per style with adapter/transformer)	
Dinnerware, Mugs, Pitchers, etc (decorated lip/rim)	6 (12)
No. of working days for complete testing	5

Creation Date: June 8, 2004
 Editorial Revision Date: December 12, 2008
 Pricing Review Date: December 12, 2008
 Technical Review Date: May 26, 2009
 Revision No: 9



**BUREAU VERITAS TEST PROTOCOL FOR
 CPSD-08444-US
 CPSIA REQUIREMENTS SUPPLEMENT**

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
LABELING					
Tracking labels for children's products	Consumer Product Safety Improvement Act of 2008	--	<p>A permanent and distinguishing mark or code on the product and its packaging, to the extent practicable, allows the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.</p> <p>Verified the Presence only. The accuracy of tracking label will not be verified.</p> <p>Note: Manufacturer or Private Labeler name can not be coded.</p>	NT	-
ANALYTICAL					
* Total lead content in surface coatings	Consumer Product Safety Improvement Act of 2008 / 16 CFR 1303 / AOAC 974.02 (modified) / CPSD-AN-00001-MTHD / CPSC-CH-E1003-09	--	<p>All accessible surface coatings, before and after use and abuse testing, on items intended for children ages 12 and under shall not contain lead or lead components in which the lead content is in excess of 0.009% (90ppm) of the weight of the total content.</p> <p>In case of insufficient coating for testing found on number of samples specified in the protocol, vendor needs to provide additional component parts (including raw materials) for testing.</p> <p>Report actual results or include data table within report Issue a third party test report Component testing is allowed Compositing up to 3 colors is allowed Based on CPSC SOP, will composite up to 3 colors. If any color in the composite exceeds 80% of the limit (72 ppm), based on the lowest weight component, individual colors will be analyzed.</p>	NA	-



CPSD-08444-US

CPSIA REQUIREMENTS SUPPLEMENT

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
* Total lead content in surface coatings	Consumer Product Safety Improvement Act of 2008 / 16 CFR 1303 / AOAC 974.02 (modified) / CPSD-AN-00001-MTHD / CPSC-CH-E1003-09	--	<p>All accessible surface coatings in assembled state on adult furniture [exempt factory applied coatings on metal components/parts] and household paint shall not contain lead or lead components in which the lead content is in excess of 0.009% (90ppm) of the weight of the total content.</p> <p>In case of insufficient coating for testing found on number of samples specified in the protocol, vendor needs to provide dipped parts or components/parts for testing.</p> <p>Report actual results or include data table within report Issue a program audit report Component testing is allowed Based on CPSC SOP, will composite up to 3 colors. If any color in the composite exceeds 80% of the limit (72 ppm), based on the lowest weight component, individual colors will be analyzed</p>	NA	-
* Total lead content in substrate materials	Consumer Product Safety Improvement Act of 2008 / EPA 3050B (modified) / EPA 3051 (modified) / EPA 3052 (modified) / CPSD-AN-00185, 00196-MTHD, / CPSC-CH-E1001-08 / CPSC-CH-E1002-08	--	<p>All accessible substrates, before and after use and abuse testing, on items intended for children ages 12 and under shall not contain lead in excess of 0.03% (300ppm) of the weight of the total content.</p> <p>Note: The lead limit will be reduced, if technologically feasible, to 0.01% (100ppm) on Aug. 14, 2011.</p> <p>Note: The materials listed in the Lead content in substrate exemption list below will be exempted from testing; it is the vendors responsibility to ensure compliance to the applicable requirements:</p> <p>In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide components/parts for testing.</p> <p>Report actual results or include data table within report. Issue a program audit report (until February 2010).</p> <p>Component testing is allowed.</p> <p>Compositing up to 3 like materials is allowed (see below</p>	M	PASS



CPSD-08444-US

CPSIA REQUIREMENTS SUPPLEMENT

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
			<p>exceptions for IL Law compliance). If the composite result exceeds the adjusted limit (regulatory limit divided by the number of composites), individual materials will be analyzed</p>		
<p>* CPSIA Total lead in children's metal jewelry</p>	<p>Consumer Product Safety Improvement Act of 2008 / CPSC-CH-E1001-08 / CPSD-AN-00185-MTHD</p>	<p>--</p>	<p>Any accessible metal component of items intended for children ages 12 and under shall not contain lead in excess of 0.03% (300ppm) of the weight of the total content.</p> <p>Note: The lead limit will be reduced, if technologically feasible, to 0.01% (100ppm) on Aug. 14, 2011.</p> <p>Components composed of surgical steel, stainless steel within UNS S13800 – S66286, excluding 303Pb (UNS S30360); gold (at least 10 karat), sterling silver (at least 925/1000), platinum, palladium, rhodium, osmium, iridium, ruthenium, and titanium are exempt. Any non-precious metal components such as solder, base metal in electroplate and fill are not included in these exemptions and must comply.</p> <p>Report actual results or include data table within report</p> <p>Issue a third party test report Compositing is not allowed Component testing is not allowed Documentation of component testing is not allowed</p>	<p>NA</p>	<p>-</p>



CPSD-08444-US

CPSIA REQUIREMENTS SUPPLEMENT

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
* BBP / DBP / DEHP content DnOP / DINP / DIDP content	Consumer Product Safety Improvement Act of 2008 / CPSD-AN-00095-MTHD / CPSD-AN-00143-MTHD	--	<p>Actual testing would be conducted on the following accessible plastics materials, plasticizer print, scrapable surface coatings, decals, polymeric coated materials (unscrapable), adhesives and sealants (exclude adhesive for stickers), toy nail polish, reusable packaging, electrical plug or cables and inaccessible plastic stealth of electrical wires</p> <p>Vendor shall be responsible for the compliance of all other accessible materials and inaccessible materials.</p> <ul style="list-style-type: none"> a. Poly vinyl chloride (PVC) b. Poly vinylidene chloride (PVDC) c. Poly vinyl acetate (PVAc) d. Poly urethane (PU) e. Ethylene propylene diene monomer rubber (EPDM) f. Ethylene vinyl acetate (EVA) g. Other foam plastics (except polyolefins) h. Natural and synthetic rubber i. Silicone j. Thermoplastic elastomers (TPEs) k. Plastic materials other than polyolefins with shore A hardness < 90 <p>Children's toys and childcare articles in the as received state shall not contain concentrations of more than 0.1% BBP, DBP or DEHP, individually.</p> <p>Children's toys that can be placed in the mouth or childcare articles in the as received state shall not contain concentrations of more than 0.1% DINP, DIDP or DnOP, individually.</p> <p>In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide components/parts for testing.</p> <p>Report actual results or include data table within report. Issue a program audit report (until February 2010). Component testing is allowed.</p>	M	PASS



CPSD-08444-US

CPSIA REQUIREMENTS SUPPLEMENT

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
			Compositing up to 3 like materials is allowed. If the composite result exceeds the adjusted limit (regulatory limit divided by the number of components), individual materials will be analyzed.		
<p>IMPORTANT NOTE: The information presented under the "Criteria" of this protocol is for information only and does not replace the content of the standard. Details of the requirements should be referred to the original standards.</p>					
<p>Lead content in substrate exemption list</p> <p>a. Accessible electronics:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lead blended into the glass of cathode ray tubes, electronic components and fluorescent tubes <input type="checkbox"/> Lead used as an alloying element in steel. (Max. amount of lead < 0.35% by weight) <input type="checkbox"/> Lead used in the manufacture of aluminum. (Max. amount of lead < 0.4% by weight) <input type="checkbox"/> Lead used in copper-based alloys. (Max. amount of lead < 4% by weight) <input type="checkbox"/> Lead used in lead-bronze bearing shells and bushings <input type="checkbox"/> Lead used in compliant pin connector systems <input type="checkbox"/> Lead used in optical and filter glass <input type="checkbox"/> Lead oxide in plasma display panels (PDP) and surface conduction electron emitter displays (SED) used in structural elements; notably in the front and rear glass dielectric layer, the bus electrode, the black stripe, the address electrode, the barrier ribs, the seal frit and frit ring as well as in print pastes. <input type="checkbox"/> Lead oxide in the glass envelope of Black Light Blue (BLB) lamps 					
<p>b. Spare parts or other removable components (such as battery packs and light bulbs) shall be considered inaccessible provided that lead containing component is inaccessible when the product is assembled in functional form or in the criteria for exemption.</p> <p>c. Precious gemstones: diamond, ruby, sapphire, emerald</p> <p>d. Certain semiprecious gemstones provided that the mineral or material is not based on lead or lead compounds, this does not include materials such as, aragonite, bayldonite, boledite, cerussite, crocoite, galena, linarite, mimetite, phosgenite, vanadinite and wulfenite as these are known to contain lead.</p> <p>e. Natural or cultured pearls</p> <p>f. Wood</p> <p>g. Paper and similar materials made from wood or other cellulosic fiber</p> <p>h. Printing inks that use the CMYK process (excluding spot colors, other inks that are not used in CMYK process, inks that do not become part of the substrate under 16 CFR part 1303, and inks used in after-treatment applications, including screen prints, transfers, decals, or other prints)</p> <p>i. Textiles (natural and manufactured, dyed and undyed) excluding after-treatments applications</p> <p>j. Other plant-derived and animal-derived materials, including animal glue, bee's wax, seeds, nut shells, flowers, bones, sea shells. Coral, amber, feathers, fur, and leather</p> <p>k. Certain metals and alloys that contain no lead or lead-containing metals intentionally added like surgical steel; stainless steel within UNS S13800 – S66286, excluding 303Pb (UNS S30360); and precious metals like gold, sterling silver, platinum, palladium, rhodium, osmium, iridium, ruthenium, titanium. It does not extend to the non-steel or non-precious metal components of a product such as solder or base materials in electroplate, clad or fill applications.</p>					



CPSD-08444-US

CPSIA REQUIREMENTS SUPPLEMENT

Evaluation	Citation/ Method	No. Sample	Criteria	Results	Rating
<p>I. Until May 1, 2011, a SOE shall apply to the following parts for Youth Motorized Recreational Vehicles:</p> <ul style="list-style-type: none"> o battery terminals containing up to 100% lead o components made with metal alloys, including o steel containing up to 0.35% lead, o aluminum with up to 0.4 % lead, o copper with up to 4.0 % lead <p>m. Until July 1, 2011, a SOE shall apply to the following parts of bicycles, jogger strollers, and bicycle trailers:</p> <ul style="list-style-type: none"> • components made with metal alloys, including • steel containing up to 0.35% lead, • aluminum with up to 0.4 % lead, • Copper with up to 4.0 % lead 					
<p>Definitions:</p> <ol style="list-style-type: none"> 1. "Children's toy' means a consumer product designed or intended by the manufacturer for a child 12 years of age or younger for use by the child when the child plays per CPSC Draft Guidance of CPSIA section 108 refer to the use of ASTM F963. 2. "Child care article' means a consumer product designed or intended by the manufacturer to facilitate sleep, or the feeding of a child 3 years of age or younger or to help such children with sucking or teething. Products used directly in the mouth by the child are primary products and are subject to the regulation. Products that have direct contact with the child, but may or may not have direct mouth contact, would also be considered primary products. Products that are not necessarily in direct physical contact with the child, but are in close proximity to the child may or may not be subject to the regulation per CPSC Draft Guidance of CPSIA section 108. Products that are used by the parent, but have no contact with the child, are considered secondary products and would not be subject to the regulation per CPSC Draft Guidance of CPSIA section 108. Products that are used by the parent, but have no contact with the child, are considered secondary products and would not be subject to the regulation per CPSC Draft Guidance of CPSIA section 108. 3. "Can be placed in a child's mouth' means if any part of the toy can actually be brought to the mouth and kept in the mouth by a child so that it can be sucked or chewed. If the product can only be licked, it is not regarded as able to be placed in the mouth. If a toy or part of a toy in one dimension is smaller than 5 centimeters, it can be placed in the mouth. Per CPSC Draft Guidance, pool toys and beach balls, or articles such as these must be considered in the deflated state. Some general purpose balls that are permanently inflated by the manufacturer and cannot be re-inflated by the consumer may be considered in the inflated (normal) state. 					



Key:
 * Additional Charge For This Test
 ** Mandatory Requirement
 # By Request Only

Results Key:
 M Meets
 NA Not Applicable
 NM Does Not Meet
 NT Not Tested
 C Claimed
 R Recorded

Rating Key:
 Pass.
 Fail.

Image Appendix

No. of samples required for complete testing:	6
No. of working days for complete testing:	7

Client Approval Date:	
Client Approval Name:	
Creation Date:	05-19-09
Pricing Review Date:	06-02-09
Editorial Revision Date:	10-30-09
Technical Review Date:	12-04-09
Revision No:	9



RESULTS:

FDA FOOD SIMULATING SOLVENT EXTRACTIVES
POLYMERS: OLEFIN POLYMERS - OLEFIN BASIC COPOLYMERS

The samples were tested according to the Food and Drug Administration (FDA), Title 21, Code of Federal Regulations (CFR), Section 177.1520 "Indirect Food Additives: Polymers - Olefin Polymers - Olefin Basic Copolymers (Described in paragraph (a)(3)(i))".

Sample Description: White plastic cap

Condition of Use: For use in articles that contact food except for articles used for packing or holding food during cooking.

PARAMETER	RESULT	REQUIREMENT	CONCLUSION
- Density	0.94 g/cc	0.85-1.00 g/cc	Pass
- Hexane Extractables	1.5 %	≤5.5%	Pass
- Solubles Xylene	19.0 %	≤30.0%	Pass

g/cc = grams per cubic centimetre
 ≤ = Less than or equivalent to
 * = Average of duplicate analyses
 LT = Less Than

Canadian Hazardous Products Act SOR/98-176

• **Heavy Metals Analysis**

Classification: Interior		Small Hollowware		
Element:		Lead	Cadmium	
Maximum Allowable Limit: Any one of 6 units		2.0 ppm	0.5 ppm	
Sample Description	Specimen	Result (ppm)		Conclusion
A. 9 oz Borosilicate Glass Bottle with Silicone Sleeve	#1	LT 0.03	LT 0.01	Pass
	#2	LT 0.03	LT 0.01	
	#3	LT 0.03	LT 0.01	
	#4	LT 0.03	LT 0.01	
	#5	LT 0.03	LT 0.01	
	#6	LT 0.03	LT 0.01	

LT = Less Than ppm = Parts per Million



RESULTS:

TOTAL LEAD CONTENT IN SUBSTRATE BY COMPOSITE TESTING (300PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)

Element:			Lead		
Requirement: Maximum allowable limit: (mg/kg)			300 mg/kg		
Sample Description			Result (mg/kg)	Conclusion	
Color / Component	Location	Style			
(A)	White plastic	Cap	-	14.2	Pass
(B)	Pink plastic	Sleeve	-	LT 2.00	Pass
(C)	Brosilicate glass	Bottle	-	24.4	Pass

LT = Less Than

mg/kg = milligrams per kilogram (ppm = parts per million)

* = Average of duplicate analyses

Remark:

According to Children's Products Containing Lead; Exemptions for Certain Electronic Devices; Interim Final Rule, exemptions were granted to steel alloy containing up to 0.35 % lead by weight/ aluminium containing up to 0.4 % lead by weight/ copper-based alloy containing up to 4 % lead by weight. Therefore, this material containing the found heavy metals level should be exempted.



RESULTS:

PHthalATES CONTENT IN TOYS AND CHILDCARE ARTICLES (Consumer Product Safety Improvement Act of 2008)

Component

- A. White plastic cap
- B. Pink plastic sleeve

Results:

	Phthalate						Limits, % by wt	Conclusion
	BBP, % by wt	DBP, % by wt	DEHP, % by wt	DNOP, % by wt	DINP, % by wt	DIDP, % by wt		
A.	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	0.1	Pass
B.	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	0.1	Pass

Key:

- BBP = Butyl benzyl phthalate
- DBP = Dibutyl phthalate
- DEHP = Di(2-ethylhexyl) phthalate
- DNOP = Di-n-octyl phthalate
- DINP = Di-iso-nonyl phthalate
- DIDP = Di-iso-decyl phthalate

- Results reported in percentage
- LT = Less than
- ND = None detected
- GT = Greater than

- Note: 1) According to CPSIA, DEHP, BBP and DBP shall not be used as substances or as constituents of preparations, at concentrations of greater than 0.1 % by mass of the plasticized material, in toys of children ages 12 and under, and childcare articles of children 3 and under.
- 2) According to CPSIA, DINP, DIDP and DNOP shall not be used as substances or as constituents of preparations, at concentrations of greater than 0.1 % by mass of the plasticized material, in toys of children ages 12 and under which can be placed in the mouth, and childcare articles of children 3 and under which can be placed in the mouth.

EXHIBIT #1



SAMPLE PRODUCT