



CONSUMER PRODUCTS SERVICES DIVISION

LIFEFACORY INC.

Technical Report: (5111)362-0145
Date Received: December 28, 2011

January 05, 2012
Page 1 of 15

PAM MARCUS
LIFEFACORY INC.
480 GATE 5 ROAD STUDIO # 300E
SAUSALITO, CA 94965
UNITED STATES

Sample Description:	16OZ GLASS BOTTLE WITH SILICONE SLEEVE		
Manufacturer:	N/A	PO No.:	N/A
Buyer:	N/A	Style:	N/A
Country of Origin:	NO INFORMATION	Country of Destination:	N/A
Color:	N/A	SKU No.:	N/A
Protocol No.:	N/A		
Previous Report No.:	NA		

EXECUTIVE SUMMARY:

The submitted sample(s) were evaluated to the applicable sections of protocol **XXXX - 06060 - US-CN**.

The sample(s) received a **PASS** rating.

Note: Test data was transferred from report (5111)175-0147, and (5111)255-0164.

BVCPS Buffalo Contact Information for this Report:

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/CH

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CPSD-GB-08612-DATA-CLAIM VERIFICATION LEVEL 1

Claims Substantiated Through Protocol Testing	Recorded	Result	Rating
Dishwasher Safe	Verified	<input checked="" type="checkbox"/> M <input type="checkbox"/> NM	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL



BUREAU VERITAS TEST PROTOCOL FOR
XXXX - 06060 - US-CN
FOODWARE - GLASSWARE (V15)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
SUPPLEMENTAL PROTOCOLS					
Note: additional cost, sample size and TAT may be required if testing to one or more supplemental protocol is necessary. Please refer to the below referenced supplemental protocol(s) for additional information.					
* Children's products	WILS-TY-PTCL-08001-US	--	For children products, please refer to WILS-TY-PTCL-08001-US for additional testing as applicable.	NA Per product type	-
* California Proposition 65	WILS-HL-PTCL-06572-US-CN	--	[REGULATORY and LABELING] [U.S.] All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	NA Per product type	-
* US - Food Contact	CSPD-AN-PTCL-06001-US	-	Shall meet the applicable requirement in CSPD-AN-PTCL-06001-US as specified.	See below	-
LABELING					
** 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	1	[REGULATORY and LABELING] [U.S.] Manufacturer, packer, or distributor's name & address (city, state & zip)	M	PASS
** 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	1	[REGULATORY and LABELING] [U.S.] Product Identification	M	PASS
** 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	1	[REGULATORY and LABELING] [U.S.] 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.	M	PASS
** Country Of Origin	19 CFR 134	1	[REGULATORY and LABELING] [U.S.] 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.	M	PASS



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Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
** Product Identity	Consumer packaging and labeling act R.S., 1985, c. C-38 / Consumer packaging and labeling regulations, C.R.C., c. 417	1	[REGULATORY and LABELING] [CANADA] English and French, PDP, Bold, 1.6mm minimum type size	NA Per distribution	-
** Product Net Quantity	Consumer packaging and labeling act R.S., 1985, c. C-38	1	[REGULATORY and LABELING] [CANADA] {See corresponding Table T-0005 at the end of this Protocol}	NA Per distribution	-
** Manufacturer or distributor's name and place of business - city and zip	Consumer packaging and labeling act R.S., 1985, c. C-38 / Consumer packaging and labeling regulations, C.R.C., c. 417	1	[REGULATORY and LABELING] [CANADA] English or French, placed anywhere except bottom, 1.6mm minimum type size	NA Per distribution	-
** Country Of Origin	Canadian customs tariff, c. 535	1	[REGULATORY and LABELING] [CANADA] For goods imported from non-NAFTA countries, the marking shall appear on the individual article. In addition, if point of sale packaging conceals the marking on the product, then the packaging shall also be marked. The marking shall consist of: -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 The type height of the name of the manufacturer or distributor shall be a minimum 1.6 mm as measured with reference to the lower case "o" English or French.	NA Per distribution	-



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Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
** Labeling - packaging	Consumer packaging and labeling regulations, C.R.C., c. 417 section 6	1	[REGULATORY and LABELING] [CANADA] All mandatory labeling information shall 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.	NA Per distribution	-
** Labeling -Inscriptions on Product and Packaging in Province of Quebec	Quebec, R.S.Q., c. C-11 Regulations adopted under the Charter of the French Language	1	[REGULATORY and LABELING] [CANADA] - Province of Quebec only - Every inscription on a product, container, wrapping, leaflet, brochure or card supplied with the product, and directions for use and warranty certificates, shall be drafted in French - No inscription in another language may be given greater prominence than that in French.	NA Per distribution	-
Warning or cautionary statements	CPSD-HL-01057-MTHD / Visual	All	[WSI SPECIFICATIONS] Include, if required for safe use	M	PASS
Accuracy or adequacy of instructions - assembly and use and care	CPSD-HL-01057-MTHD / Visual	All	[WSI SPECIFICATIONS] Include, if required for safe use	M	PASS



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FOODWARE - GLASSWARE (V15)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
Claim verification - level 1	CPSD-HL-08612-MTHD / Claim verification	All	<p>[REGULATORY AND LABELING - U.S.]</p> <p>Examine the retail packaging (or submitted artwork).</p> <p>Record each objective (factual) claim which can be substantiated by the testing within this protocol and rate accordingly.</p> <p>Any net quantity/dimensional claims evaluated in other sections of this protocol need not be recorded.</p> <p>All other claims (subjective and objective) shall not be recorded or evaluated.</p>	M See claims table	PASS
ANALYTICAL					
* Total lead in surface coating 16 CFR 1303	AOAC 974.02 modified / CPSD-AN-00001-MTHD	1	<p>[REGULATORY and LABELING] [U.S.]</p> <p>Applicable when there is a painted surface that can be scraped off</p> <p>Not in excess of 600 ppm (0.06% by weight) total lead.</p>	NA No surface coating	-
* Total lead content in surface coatings	CPSD-AN-00009-MTHD	1	<p>All accessible surface coatings in the as received state on the item outside of the scope of CCPSA shall not contain lead or lead components in which the lead content is in excess of 0.06% (600ppm) of the weight of the total content.</p> <p>Report actual results or include data table within report.</p> <p>Component testing is allowed.</p> <p>Composite up to 4 colors are allowed.</p> <p>Client requirement</p>	NA Per distribution	-
* GRAS evaluation - document review	FDA Generally Recognized as Safe (GRAS) Guidelines 21 CFR 182	1	<p>Shall meet FDA GRAS Guidelines. Documentation shall be provided.</p> <p>Note: If no documentation is provided, testing will be conducted.</p>	NA Per product type	-



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Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
HAZARDS					
Sharp points	16 CFR 1500.48 modified / SOR/2011-17 sections 9 modified	--	Shall have no sharp points, other than those required for function. Modified = Expanded scope to other products	M	PASS
Sharp edges	16 CFR 1500.49 modified / SOR/2011-17 sections 8, 10 to 12 modified	--	Shall have no sharp edges, other than those required for function. Modified = Expanded scope to other products	M	PASS
FLAMMABILITY					
Flammability of solids	16 CFR 1500.44 modified	1	[REGULATORY and LABELING] [U.S.] Burn rate cannot be greater than 0.1 in. / sec. (Horizontal) (Report figure rounded to 1 decimal place)	M Lid: <0.1 in/sec Base: Did not ignite	PASS
PHYSICAL CHARACTERISTICS					
Dimensions	CPSD-HL-01056-MTHD / Standard measure	1	Report overall dimensions; shall meet label claims (If applicable).	No claim Recorded: 3 ¼ in x 2 ¾ in x 9 ½ in	DATA
Capacity - volumetric	CPSD-HL-06000-MTHD / Capacity	1	[SAFETY] Report overall capacity; shall meet label claims (If applicable).	M Claim: 16 oz Recorded: 473 mL (16 oz)	PASS
Dimensions - thickness - polybag	ASTM D374-99 Method C	4	[WSI SPECIFICATIONS] Polybag Must be a minimum of 1.25 mil thick Refer to Williams-Sonoma, Inc Document No. 03-000073-4, Construction and Printing Requirements for Plastic Bags and Tubes	NA Per product type	-
WORKMANSHIP					
Material type	CPSD-HL-01057-MTHD / Visual	1	[WSI SPECIFICATIONS:] [Applies Only to West Elm Product] Visual evaluation only. Visually identify the type of material such as wood, metal, plastic, stone, paper etc. Also, through visual means only, identify the type of wood (hard or soft), type of metal (i.e. copper, stainless, iron, bronze, aluminum etc.) or type of stone (i.e. marble, granite etc.).	Glass, Silicone, Plastic	DATA



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Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
PERFORMANCE					
Thermal Shock	ASTM F2179-02 section 4.2 / ASTM C149-86 Modified	3	<p>Determine the cold water bath temperature based on the available tap water temperature, and adjust the temperature of the hot water bath to be 90° F higher than the cold water.</p> <p>Once temperature of the hot water bath has been established, place the samples in the hot water bath for 10 minutes.</p> <p>Remove the samples from the hot water bath and place them into the cold water bath with a time lapse of no more than 15 seconds. Be sure to empty the hot water out of the sample containers.</p> <p>Maintain the samples in the cold water bath for 30 seconds.</p> <p>Dry the containers and visually inspect for cracking or fractures. Mod = hot bath 10 minutes in place of 5</p>	M	PASS
Thermal shock	CPSD-HL-01026-MTHD modified / Thermal	1	<p>[WSI SPECIFICATIONS] [SAFETY] [Glass Properties]</p> <p>No breakage or chipping shall occur after heating empty in standard oven 30 minutes @ 200 degrees C (392 degrees F). Remove and submerge in 25 degrees C (77 degrees F) water. If Fails, test using 10 minutes @ 200 degrees C (392 degrees F). Remove and submerge in 25 degrees C (77 degrees F) water.</p> <p>Note: This test is applicable to borosilicate glass items and items used for high temperature liquids, fats etc (plates, mugs and bowls)</p> <p>Modification = changed oven time from "2 hours" to " 30 minutes" and "10 minutes"</p>	NA Per product type	-



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Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
Effectiveness of annealing	ASTM F2179-02 section 4.1 modified	3	<p>[WSI SPECIFICATIONS] [SAFETY]</p> <p>With a tungsten carbide scribe, scratch once around the inside knuckle of the article. Then scratch an "X" across the entire inside bottom surface of the article. All scratches are to be made using sufficient pressure to penetrate the surface of the glass.</p> <p>After using method, fill each article with water at the same room temperature as the glass. Wait fifteen minutes, then empty the water and examine each piece for fractures. Report The number of fractures, if any, for each test.</p> <p>If you cannot perform the scribe / scratch on the inside bottom surface, perform on the outside bottom surface. carefully place the item in water and examine piece for fractures.</p> <p>Note the time when failure occurs.</p> <p>Note 2: DO NOT TEST ON GLASS SPHERES (EXAMPLE: GLASS ORNAMENTS)</p> <p>Note 3: FOR CONTOURED ITEMS (EX: GLASS LEAVES), THE FLAT PART OF THE GLASS THAT IS GREATER THAN 1/8" SHALL BE SCRATCHED AND SUBMERGED IN WATER FOR 15 MINUTES.</p> <p>Note 4: FOR OPEN ENDED CYLINDERS USING 50 GRIT EMERY PAPER /CLOTH ABRAD E THE INSIDE GLASS 1-2" UP FROM THE BOTTOM USING SUFFICIENT PRESSURE/FORCE TO PENETRATE THE SURFACE OF THE GLASS. THEN SUBMERGE IN WATER FOR 15 MINUTES.</p>	M	PASS



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Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
* Resistance to corrosion - metal components	ASTM B117-07 modified / CPSD-HL-01010-MTHD	1	[SAFETY] Shall withstand 24 hours in 1% salt spray (fog). Failure with any pitting or corrosion. Visual changes are to be noted in report only. (WSI requirement - Do not fail for any visual changes) Modification = 1% salt (fog) spray.	NA Per product type	-
Thermal Shock - bowls	WSI	1	[SAFETY] Test only if it can be used with hot liquids Fill to 0.5 inch below top rim with boiling water. Let stand for 1 minute. Fill to rim with ice cubes. No cracking, breaking.	NA Per product type	-
Thermal Shock- mugs	WSI	1	[SAFETY] Test only if it can be used with hot liquids Fill to 3/4 volume of mug with boiling water. Let stand for 1 minute. Fill remaining volume with ice cubes. No cracking, breaking.	NA Per product type	-
Thermal Shock - pitchers	WSI	1	[SAFETY] Test only if it can be used with hot liquids Fill to 3/4 volume of pitcher with boiling water. Let stand for 1 minute. Fill remaining volume with ice cubes. No cracking, breaking.	NA Per product type	-
Dishwasher Exposure	CPSD-HL-01014-MTHD / Dishwasher	1	[SAFETY] Test even if claimed not dishwasher safe No color change - Class 3 after 10 cycles on hot Modification = number of cycles changed from "5 cycles" to "10 cycles"	M	PASS



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FOODWARE - GLASSWARE (V15)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
* Microwave exposure	In-house method / CPSD-HL-01024-MTHD	1	(Non-Metal Only) (If product is Applicable for this type of test Or Claimed) Fill the product to 75% of capacity with water. Microwave for 5 minutes at 1000 W (or equivalent energy). Shall have no damage, deformation or discoloration. Graspable surface areas shall not exceed 140°F. Client's requirement: Do not test on lead crystal.	NA Not intended for use in a microwave oven	-
* Handle strength - loaded	CPSD-HL-01027-MTHD / Strength	1	[SAFETY] [As applicable] No breaking or separation at min 10 lb static load - secure 10 lb weight to handle. Suspend with a 12 inch cord	M	PASS
* Stem strength - static	CPSD-HL-01027-MTHD / Strength	1	[SAFETY] [As applicable] No breaking at min 10 lb static load - secure 10 lb weight to stem. Suspend with 12 inch cord	NA Per product type	-
Effects of hand washing - if applicable	CPSD-HL-01016-MTHD / Hand wash	1	[SAFETY] Shall exhibit no exterior surface degradation after being hand washed 10 times using a national brand liquid detergent at peak of 110 degrees F, followed by rinse in cold water.	M	PASS
Environmental Test	WSI specifications	3	Report any / all visual defects after the conditioning test Note: Use a different sample for each condition 1. 24 hours @ 0 degrees F 2. 24 hours @ 140degrees F 3. 24 hours @ 100 degrees F, 90-95%RH Note: Do not test on items that are 100% metal or 100% glass or 100% porcelain or 100% textile.	M	PASS
Stain Resistance	CPSD-HL-01015-MTHD / Staining	1	No permanent staining - if plates / bowls, apply spaghetti sauce to different spots. (if cup / glass, fill with coffee.) Let stand 2 hours wash 1 cycle in hot dishwasher.	M	PASS
Actual use - functionality - not covered by other tests	CPSD-HL-01058-MTHD / Actual use	1	Perform as intended (e.g., no leakage) - 5 cycles of intended use	M	PASS



Key:
 * Additional Charge For This Test
 ** Mandatory Requirement
 # By Request Only
Result Key:
 C Claimed
 R Recorded
 M Meets
 NM Does Not Meet
 NA Not Applicable
 NT Not Tested
Rating Key:
 GOOD Good
 UNSAT Unsatisfactory

Image Appendix

T-0005 Principal Display Panel.jpg	Product Net Quantity Declaration must be in English and French, metric units, on PDP, bold, type size based on PDP size	
	<u>Principal Display Panel</u>	<u>Minimum Type</u>
	<32 cm ² (5 ln. ²)	1.6 mm (1/16 ln.)
	>32 cm ² but <258 cm ² (40 ln. ²)	3.2 mm (1/8 ln.)
	>258 cm ² but < 645 cm ² (100 ln. ²)	6.4 mm (1/4 ln.)
	>645 cm ² but <25.8 dm ² (400 ln. ²)	9.5 mm (3/8 ln.)
	>25.8 dm ² (400 ln. ²)	12.7 mm (1/2 ln.)

No. Of Samples Required for Complete Testing	14
No. Of (Fully Packed) Cartons For Transit Testing:	1
No. Of Working Days For Complete Testing:	5

Client Approval: MAY 24, 2011 / Delrick Majors
 Creation Date: FEBRUARY 13, 1998
 Last Revision Date: JUNE 19, 2011
 Pricing Review Date: MAY 18, 2006
 Technical Review Date: SEPTEMBER 21, 2007



Excerpts from BUREAU VERITAS TEST PROTOCOL FOR
CPSD - 06001.01 - US
PLASTIC FOOD CONTACT ARTICLE (V5)

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
* Closures with sealing gaskets	FDA 21 CFR 177.1210 / CPSD-AN-00002-MTHD	-	Closure-sealing gasket of closures shall comply with FDA 21CFR 177.1210 requirements. Note: - No test for dry food. Dry food means no free fat or oil on the surface. - Gaskets are only tested according to gasket requirements of FDA 21 CFR 177.1210. Vendor shall be responsible for the compliance of the material requirements, unless testing of material is requested.	M Lid gasket	PASS
* Olefin polymers	FDA 21 CFR 177.1520 / CPSD-AN-00002-MTHD	-	Shall comply with FDA 21CFR 177.1520 requirements. Note: - Applicable to olefin polymers, including but not limited to polypropylene (PP) homopolymer, polypropylene (PP) copolymer and polyethylene (PE).	M Lid	PASS

EXHIBIT # 1



ORIGINAL TEST SAMPLE

EXHIBIT # 2



RETAIL LABELING