CONSUMER PRODUCTS SERVICES DIVISION

VISSTUN

Technical Report: **(5116)074-0144** April 15, 2016
Date Received: April 01, 2016

GENE DAGDAGAN

VISSTUN
6355 SUNSET CORPORATE DRIVE
LAS VEGAS, NV 89120
UNITED STATES

Sample Description:	CMT2 MICROWAVEABLE PAPER, C917 COLD PAPER, H9T2 HOT PAPER, W217 WHITE PLASTIC, F232 CLEAR		
Vendor:	N/A	Sample Size:	N/A
Manufacturer:	VISSTUN	Style No(s):	N/A
Buyer:	N/A	SKN/SKU No.:	N/A
Labeled Age Grade:	N/A	PO No.:	N/A
Appropriate Age Grade:	N/A	Ref #:	N/A
Client Specified Age Grade:	N/A	Country of Origin:	N/A
Tested Age Grade:	N/A	Assortment No.:	N/A
UPC Code:	N/A		

EXECUTIVE SUMMARY:

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

- The mechanical hazards requirements of 16 CFR 1500, “Federal Hazardous Substances Act Regulations.”
- The mechanical hazards requirements of 16 CFR 1500.53(c), “Bite test” (FHSA requirements).
- The flammability requirements of 16 CFR 1500.3(c) (6) (vi), "Flammable solid" (FHSA regulations).
- The mechanical hazards requirements of ASTM F963-11, “Standard consumer safety specification for toy safety”.
- The heavy metals content in packaging requirements of Model Toxics Legislation of the Toxics in Packaging Clearinghouse, TPCH (formerly the Coalition of Northeastern Governors, CONEG).
- The total lead content of substrate materials requirements of Illinois Lead Poisoning Prevention Act, Public Act 095-1019.*
- The total lead content of surface coating requirements of Illinois Lead Poisoning Prevention Act, Public Act 095-1019.*
- The total lead content of 100ppm requirements in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).*
- The total lead content of 90ppm requirements of 16 CFR 1303, “Ban of lead-containing paint and certain consumer products bearing lead-containing paint” as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.*
- The mechanical and physical properties requirements of the tested subclauses of the European Standard, “Safety of toys”, EN71: Part 1:2014.

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The sample(s) MEETS for the following requirement(s): *(continued)*

- The heavy metals requirements of the European "Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste."

- The soluble heavy metals content requirement of client's specification.

- The limits set forth in US Food and Drug Administration (FDA), Title 21, Code of Federal Regulations (CFR), Section 176.170, "Indirect Food Additives: Paper and Paperboard Components.

- 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.

- The cadmium content requirement of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 23 (amended up to EU No. 835/2012).

- The Lead and Cadmium requirements of CA Proposition 65 Health and Safety Code, "Safe Drinking Water and Toxic Enforcement Act", Settlement CGC-05-440811, set forth by the Superior Court of California, City and County of San Francisco.

- The E. coli requirement of the client's specification.

- The salmonella requirement of the client's specification.

- The pseudomonas aeruginosa requirement of the client's specification.

- The staphylococcus aureus requirement of the client's specification.

- The total coliform requirement of the client's specification.

- The total plate count requirement of the client's specification.

- The requirements of Packaging Authorization for Trademark Vessels for use with vessels bearing trademarks of the Coca-Cola Company.

  PK-SP-101 – Aesthetics Trademark Vessels
  PK-SP-102 – Leakage & Contamination - Trademark Vessels
  PK-SP-103 – Ink Adhesion - Trademark Vessels
  PK-SP-105 – Microbiological Cleanliness - Trademark Vessels
  PK-SP-106 – Flammability - Trademark Vessels
  PK-SP-107 – Mechanical Hazards - Trademark Vessels
  PK-SP-109 – Dishwashing Residential - Trademark Vessels
  PK-SP-110 – Environmental Regulations - Trademark Vessels
  PK-SP-111 – Lead & Heavy Metals - Trademark Vessels
  PK-SP-112 – Extraction - Trademark Vessels
  PK-SP-113 – Sidewall Deflection - Trademark Vessels

Note: The sample(s) was not evaluated to the Normal Use testing requirements specified in ASTM F963-11, Section 8.5. It is the responsibility of the manufacturer, vendor or distributor to conduct tests that will simulate normal use conditions. These tests shall ensure that hazards are not generated through normal wear and deterioration of the sample(s). These tests shall also simulate the normal play mode of the toy and to simulate the expected mode of use of the particular toy. The tests shall be conducted in an expected use environment. These normal use tests shall simulate the intended use of the toy based on its estimated lifetime.

BVCPS Buffalo Contact Information for this Report:

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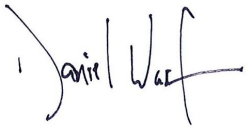
Consumer Products Services, Inc.



Daniel Warf
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Toy and Juvenile Products Department

/RL

cc: MONIQUE FAREAU, DIGISPEC/COUNTERPOINT

RESULTS:

HEAVY METALS PRESENT IN PACKAGING (European Council Directive 94/62/EC on Packaging and Packaging Waste)

Sample Identity	Color / Component	Location	Product style
(A)	Clear/multicolor coating	Cup	Namaste and blint
(B)	Multicolor coating	Cup	Vote and bass
(C)	All color printed white paperboard	Cup	Georgia
(D)	White paperboard with adhesive	Cup and cup with bottom	Namaste and blint
(E)	White waxy paper with adhesive	Cup bottom	Georgia and namaste
(F)	White plastic	Cup and cup bottom	Vote and bass
(G)	Off white plastic	Cup bottom	Vote
(H)	Clear plastic	Cup	Bass

Sample Identity:	(A)	(B)	(C)	(D)	Maximum
Parameter:	The sum of lead, cadmium, mercury and hexavalent chromium				Allowable Limit
Element	Result (mg/kg (ppm))				(mg/kg)
Cadmium	LT 5.00	LT 5.00	LT 5.00	LT 5.00	-----
Chromium	LT 5.00	6.40	LT 5.00	LT 5.00	-----
Mercury	LT 5.00	LT 5.00	LT 5.00	LT 5.00	-----
Lead	LT 5.00	LT 5.00	LT 5.00	LT 5.00	-----
Sum	LT 20.0	21.4	LT 20.0	LT 20.0	100
Conclusion:	Pass	Pass	Pass	Pass	-----

LT = Less Than *mg/kg = milligrams per kilogram (ppm = parts per million)*

Sample Identity:	(E)	(F)	(G)	(H)	Maximum
Parameter:	The sum of lead, cadmium, mercury and hexavalent chromium				Allowable Limit
Element	Result (mg/kg (ppm))				(mg/kg)
Cadmium	LT 5.00	LT 5.00	LT 5.00	LT 5.00	-----
Chromium	LT 5.00	5.46	LT 5.00	LT 5.00	-----
Mercury	LT 5.00	LT 5.00	LT 5.00	LT 5.00	-----
Lead	LT 5.00	LT 5.00	LT 5.00	LT 5.00	-----
Sum	LT 20.0	20.5	LT 20.0	LT 20.0	100
Conclusion:	Pass	Pass	Pass	Pass	-----

LT = Less Than *mg/kg = milligrams per kilogram (ppm = parts per million)*

CADMIUM CONTENT (European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 23)

Category:				Plastics	
Element:				Cadmium	
Test Method:				In house acid digestion	
Maximum Allowable Limit:				100 mg/kg (0.01% by weight)	
Test Component				Result (mg/kg)	Conclusion
Colour/Component		Location	Style		
(F)	White plastic	Cup and cup bottom	Vote and bass	LT 5.00	Pass
(G)	Off white plastic	Cup bottom	Vote	LT 5.00	Pass
(H)	Clear plastic	Cup	Bass	LT 5.00	Pass

LT = Less than *mg/kg = milligrams per kilogram (ppm = parts per million)*
** = Average of duplicate analyses*

Category:				Paints	
Element:				Cadmium	
Test Method:				In house acid digestion	
Maximum Allowable Limit:				100 mg/kg (0.1% by weight)	
Test Component				Result (mg/kg)	Conclusion
Colour/Component		Location	Style		
(A)	Clear/multicolor coating	Cup	Namaste and blint	LT 5.00	Pass
(B)	Multicolor coating	Cup	Vote and bass	LT 5.00	Pass

LT = Less than *mg/kg = milligrams per kilogram (ppm = parts per million)*
** = Average of duplicate analyses*

TOTAL LEAD CONTENT IN SURFACE COATING (Illinois General Assembly, Public Act 095-1019)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry

Analyte	Lead	
Requirement: Maximum allowable limit:	40 mg/kg	
Requirement: Range limit requiring warning	40 – 100 mg/kg*	

Analyte				Lead (Pb)	
Sample Description				Result (mg/kg)	Conclusion
Color / Component		Location	Style		
(A)	Clear/multicolor coating	Cup	Namaste and blint	LT 5.00	Pass
(B)	Multicolor coating	Cup	Vote and bass	LT 5.00	Pass

LT = Less Than *mg/kg = milligrams per kilogram (ppm = parts per million)*
** = Average of duplicate analyses*

TOTAL LEAD CONTENT IN SUBSTRATES (Illinois General Assembly, Public Act 095-1019)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry

Analyte	Lead	
Requirement: Maximum allowable limit:	40 mg/kg	
Requirement: Range limit requiring warning	40 – 100 mg/kg*	

Analyte				Lead (Pb)	Conclusion
Sample Description				Result (mg/kg)	
	Color / Component	Location	Style		
(E)	White waxy paper with adhesive	Cup bottom	Georgia and namaste	LT 5.00	Pass
(F)	White plastic	Cup and cup bottom	Vote and bass	LT 5.00	Pass
(G)	Off white plastic	Cup bottom	Vote	LT 5.00	Pass
(H)	Clear plastic	Cup	Bass	LT 5.00	Pass

LT = Less Than *mg/kg = milligrams per kilogram (ppm = parts per million)*
** = Average of duplicate analyses*

TOTAL LEAD CONTENT IN SURFACE COATING BY COMPOSITE TESTING ("Ban of Lead-containing paint and certain consumer products bearing Lead-containing paint", Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1003.09.1

Element:				Lead		
Requirement: Maximum allowable limit:				90 mg/kg		
Sample Description				Result (mg/kg)		Conclusion
	Color / Component	Location	Style	Overall	Potential	
(A)	Clear/multicolor coating	Cup	Namaste and blint	LT 5.00	-	Pass
(B)	Multicolor coating	Cup	Vote and bass	LT 5.00	-	Pass

LT = Less Than
** = Average of duplicate analyses*
mg/kg = milligrams per kilogram (ppm = parts per million)
Potential = Estimated lead content per component is based on calculation by component individual weight

TOTAL LEAD CONTENT IN SUBSTRATE BY COMPOSITE TESTING (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1001-08.1 (June 21, 2010) or U.S. CPSC-CH-E1002-08.1 (June 21, 2010).

Analyte	Lead	
Requirement: Maximum allowable limit:	100 mg/kg	

Analyte				Lead (Pb)	Conclusion
Sample Description				Result (mg/kg)	
	Color / Component	Location	Style		
(E)	White waxy paper with adhesive	Cup bottom	Georgia and namaste	LT 5.00	Pass
(F)	White plastic	Cup and cup bottom	Vote and bass	LT 5.00	Pass
(G)	Off white plastic	Cup bottom	Vote	LT 5.00	Pass
(H)	Clear plastic	Cup	Bass	LT 5.00	Pass

LT = Less Than *mg/kg = milligrams per kilogram (ppm = parts per million)*
** = Average of duplicate analyses*

Heavy Metals Content in Packaging or Packaging Materials - United States Toxics in Packaging Clearinghouse (TPCH), Model Toxics in Packaging Legislation with Revisions up to December 2008

Test Method I : With reference to U.S. EPA 3050B: 1996.

Test Method II : With reference to U.S. EPA 3051/3052: 1996.

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
A	Clear/multicolor coating	Cup	Namaste and blint
B	Multicolor coating	Cup	Vote and bass
C	All color printed white paperboard	Cup	Georgia
D	White paperboard with adhesive	Cup and cup with bottom	Namaste and blint
E	White waxy paper with adhesive	Cup bottom	Georgia and namaste
F	White plastic	Cup and cup bottom	Vote and bass
G	Off white plastic	Cup bottom	Vote
H	Clear plastic	Cup	Bass

Element(s)	**Lead (Pb)**	**Cadmium (Cd)**	**Mercury (Hg)**	**Hexavalent Chromium (Cr VI)**
Maximum Allowable Limit (mg/kg)	**100 mg/kg (Sum)**			

-	**Unit**	**Result**			
Test Item(s)	-	A	B	C	D
Test Method	-	II	II	II	II
Sample did not fully digest	-	---	---	---	---
Sum of Pb, Cd, Hg & Cr VI	mg/kg	LT 20.0	21.4	LT 20.0	LT 20.0
Conclusion	-	Pass	Pass	Pass	Pass

-	**Unit**	**Result**			
Test Item(s)	-	E	F	G	H
Test Method	-	II	II	II	II
Sample did not fully digest	-	---	---	---	---
Sum of Pb, Cd, Hg & Cr VI	mg/kg	LT 20.0	20.5	LT 20.0	LT 20.0
Conclusion	-	Pass	Pass	Pass	Pass

Note / Key :

ND = Not detected LT = Less than * = average of duplicate analysis
mg/kg = milligram(s) per kilogram = ppm = part(s) per million 10000 mg/kg = 1 %
** = sample did not digest EPA = Environmental Protection Agency
ISO = International Organization of Standardization
Detection Limit (mg/kg) : Sum 20

Remark :

- This legislation was originally drafted by the Source Reduction Council of the Coalition of Northeastern Governors (CONEG).
- According to Model Toxics in Packaging Legislation with Revisions up to December 2008, Section 5(c), exemption were granted to recycled material containing up to 200 milligrams per kilogram for the sum of lead, cadmium, mercury and hexavalent chromium.
- Unless further specified, the reported result(s) of Test Item(s) was (were) performed by total metal(s) content analysis through complete decomposition.
- Test Item(s) marked as “recycled” was (were) claimed as recycled material by client. Therefore, this (these) Test Item(s) containing the found sum of lead, cadmium, mercury and hexavalent chromium level should be exempted.
- Total chromium (Cr) may have been detected in the result(s). Therefore, Test Method(s), with reference to U.S. EPA 3060A: 1996 and (or) with reference to International Standard ISO 3613: 2010, was (were) further performed on this (these) Test Item(s) in confirming the presence of hexavalent chromium.

TOTAL LEAD AND CADMIUM CONTENT (San Francisco Superior Court, CGC-04-436429)

Analyte	Lead	Cadmium	
Requirement: Maximum allowable limit:	600 mg/kg	4800 mg/kg	

Analyte				Lead (Pb)	Cadmium (Cd)	Conclusion
Sample Description				Result (mg/kg)		
Color / Component		Location	Style			
(B)	Multicolor coating	Cup	Vote and bass	LT 5.00	LT 5.00	Pass

LT = Less Than *mg/kg = milligrams per kilogram (ppm=parts per million)*
** = Average of duplicate analyses*

SOLUBLE HEAVY METALS CONTENT (Client's specification)

Sample Identity	Color	Location	Style
I.	Multicolor coating	Cup	Vote
J.	Multicolor coating	Cup	Bass

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	
Maximum Limit (mg/kg)	25	1000	75	60	60	90	60	500	
Analytical Correction	60%	30%	30%	30%	50%	30%	60%	60%	

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount	Conclusion
Sample	Result (mg/kg)								(g)	
I.	LT 2.5	LT 100	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	0.0223	Pass
J.	LT 2.5	LT 100	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	0.0503	Pass

LT = Less Than
CR = adjusted analytical result
mg/kg = milligrams per kilogram (ppm=parts per million)
** = Average of duplicate analysis*

As = Arsenic, Ba = Barium, Cd = Cadmium,
Cr = Chromium, Hg = Mercury, Pb = Lead,
Sb = Antimony, Se = Selenium

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 cup, transparent gray plastic cup, translucent plastic cup bottom (across styles)

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	0.95 g/cc	0.85-1.00 g/cc	Pass
– Hexane Extractables	1.2 %	≤5.5%	Pass
– Solubles Xylene	6.4 %	≤30.0%	Pass

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

FDA FOOD SIMULATING SOLVENT EXTRACTIVES
INDIRECT FOOD ADDITIVES – COMPONENTS OF PAPER AND PAPERBOARD IN CONTACT WITH AQUEOUS AND FATTY FOODS

The sample(s) was evaluated according to the US Food and Drug Administration (FDA), Title 21, Code of Federal Regulations (CFR), Section 176.170, "Indirect Food Additives: Paper and Paperboard".

Condition of Use: (E) - Room temperature filled and stored (no thermal treatment in the container)

Sample Description		
Color / Component	Location	Style
(A) White paper cup (Blint shake)	-	-

Parameter	Result (mg/sq. in)	Maximum Allowable Limit (mg/sq. in)	Conclusion
• Distilled water	0.4	0.5	Pass
• n-Heptane	LT 0.1	0.5	Pass

LT = Less Than *mg/sq. in. = milligrams per square inch (of food-contact surface)*
N/A = Not Applicable ** = An average of duplicate analyses.*

FDA FOOD SIMULATING SOLVENT EXTRACTIVES
INDIRECT FOOD ADDITIVES – COMPONENTS OF PAPER AND PAPERBOARD IN CONTACT WITH AQUEOUS AND FATTY FOODS

The sample(s) was evaluated according to the US Food and Drug Administration (FDA), Title 21, Code of Federal Regulations (CFR), Section 176.170, "Indirect Food Additives: Paper and Paperboard".

Condition of Use: (B) - Boiling water sterilized

Sample Description		
Color / Component	Location	Style
(A) Coated white paper cup (Namaste soup)	-	-

Parameter	Result (mg/sq. in)	Maximum Allowable Limit (mg/sq. in)	Conclusion
• Distilled water	0.2	0.5	Pass
• n-Heptane	0.1	0.5	Pass

LT = Less Than *mg/sq. in. = milligrams per square inch (of food-contact surface)*
N/A = Not Applicable ** = An average of duplicate analyses.*

FDA FOOD SIMULATING SOLVENT EXTRACTIVES
INDIRECT FOOD ADDITIVES – COMPONENTS OF PAPER AND PAPERBOARD IN CONTACT WITH AQUEOUS AND FATTY FOODS

The sample(s) was evaluated according to the US Food and Drug Administration (FDA), Title 21, Code of Federal Regulations (CFR), Section 176.170, "Indirect Food Additives: Paper and Paperboard".

Condition of Use: (E) - Room temperature filled and stored (no thermal treatment in the container)

Sample Description			
	Color / Component	Location	Style
(A)	White paper cup (Georgia pecans)	-	-

Parameter	Result (mg/sq. in)	Maximum Allowable Limit (mg/sq. in)	Conclusion
• n-Heptane	LT 0.1	0.5	Pass

LT = Less Than
N/A = Not Applicable
mg/sq. in. = milligrams per square inch (of food-contact surface)
** = An average of duplicate analyses.*

Sample #	(5116)074-0144A
Sample ID	CMT2 Microwaveable Paper
Total Plate Count	est. < 10 cfu/item
Total Coliform	< 0.3 MPN/item
E. coli	< 0.3 MPN/item
Staphylococcus aureus	<10 cfu/item
Pseudomonas aeruginosa	Negative
Salmonella	Negative

Sample #	(5116)074-0144B
Sample ID	C917 Cold Paper
Total Plate Count	est. < 10 cfu/item
Total Coliform	< 0.3 MPN/item
E. coli	< 0.3 MPN/item
Staphylococcus aureus	<10 cfu/item
Pseudomonas aeruginosa	Negative
Salmonella	Negative

Sample #	(5116)074-0144C
Sample ID	H9T5 Hot Paper
Total Plate Count	est. < 10 cfu/item
Total Coliform	< 0.3 MPN/item
E. coli	< 0.3 MPN/item
Staphylococcus aureus	<10 cfu/item
Pseudomonas aeruginosa	Negative
Salmonella	Negative

Sample #	(5116)074-0144D
Sample ID	W217 White Plastic
Total Plate Count	est. < 10 cfu/item
Total Coliform	< 0.3 MPN/item
E. coli	< 0.3 MPN/item
Staphylococcus aureus	<10 cfu/item
Pseudomonas aeruginosa	Negative
Salmonella	Negative

Sample #	(5116)074-0144E
Sample ID	F232 Clear
Total Plate Count	est. < 10 cfu/item
Total Coliform	< 0.3 MPN/item
E. coli	< 0.3 MPN/item
Staphylococcus aureus	<10 cfu/item
Pseudomonas aeruginosa	Negative
Salmonella	Negative

EXHIBIT # 1

SAMPLE PRODUCT - AS RECEIVED