



CONSUMER PRODUCTS SERVICES DIVISION

## VOGUE INTERNATIONAL LTD.

**Technical Report:** (5212)325-0485 (RETEST)  
Date Received: November 20, 2012

November 28, 2012

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### RESULT: PASS

<b>Sample Description:</b>	<b>AVENGERS ALUMINIUM BOTTLE Q213, ALI BOTTLE SPIDERMAN Q213, ALI BOTTLE IRON MAN Q313</b>		
	1. ) SPIDERMAN		
	2. ) AVENGERS		
	3. ) IRON MAN		
Sample Size:	6	Mfr. Style/Catalog No.:	N/A
Country of Origin:	NO INFORMATION	P.O. No.:	N/A
Vendor:	VOGUE INTERNATIONAL LTD.	PRR No.:	1214-TDSE06150, 1214-TDSE06056, 1314-TDSE01172
Manufacturer:	NAVIGATE	Shipping Dates:	02/18/13
Buyer:	ALICE WILLIAMSON	Testing Phase:	PP - PRE PRODUCTION
Buying Group:	TDSE	Product Category:	N/A
Labeled Age Grade:	NOT PRESENT	Sample Source:	DI
Appropriate Age Grade:	CHILDREN PRODUCTS, OVER 3 YEARS OF AGE	UPC/SKU/ITEM No.:	416035594504
Tested Age Grade:	CHILDREN PRODUCTS, OVER 3 YEARS OF AGE	Project No.:	N/A
Size:	N/A	Season:	N/A
Size Range:	N/A	ILS #:	N/A
Age Warning And Hazard:	NOT PRESENT		

### RETEST:

- FR.DEC 92-631 Volatile Organic Matter

### TESTS:

The following test(s) was previously conducted and the result(s) has been transferred from Technical Report No. (5212)310-0592. dated November 09, 2012 :

- FR.DEC 92-631 Aluminum-Metals Composition
- FR.DEC 92-631 Migration of Organotin
- FR.DEC 92-631 Volatile Organic Matter
- FR.DEC 92-631 Peroxides (EUR. Method 2.5.5)
- FR.DEC 92-631 Overall Migration (EN 1186 <24 hrs)

### CORRECTIVE ACTION STATED ON TEST REQUEST FORM BY VENDOR:

WILL OVEN BAKE THE SILICONE SEALS FOR A PERIOD OF 4 HOURS @ 200°C TO REMOVE ANY VOLATILE ORGANIC MATTER. THE TRACKING CODE HAS BEEN PRINTED ON THE BASES OF ALL PRODUCTION BOTTLES



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

- The Volatile Organic Matter testing requirement of the French Decree 2007-766 and French DGCCRF note information no. 2004-64 for Silicone
- The Metal content testing requirement of the French Decree 2007-766 and French DGCCRF note information no. 2004-64 for Aluminum
- The Overall Migration testing requirement of the French Decree 2007-766 and French DGCCRF note information no. 2004-64 for Aluminum
- The Overall Migration testing requirement of the French Decree 2007-766 and French DGCCRF note information no. 2004-64 for Silicone
- The Migration of Organotin testing requirement of the French Decree 2007-766 and French DGCCRF note information no. 2004-64 for Silicone
- The Peroxide Value testing requirement of the French Decree 2007-766 and French DGCCRF note information no. 2004-64 for Silicone

BUREAU VERITAS HONG KONG LIMITED

Lai Ka Yan, Margaret  
Senior Manager  
Chemical Department

ML/ss



**RESULTS:**

PART 1

The samples submitted on November 20, 2012 are as follow:

**Volatile Organic Matter for Silicone in Contact with Foodstuffs – French Decree 2007-766 and French Arrete 25 Nov 1992**

Parameter	Unit	Result	Maximum Allowable Limit
		1	
Volatile Organic Matter	% w/w	0.447	0.5
<b>Conclusion</b>	-	PASS	-

Test Item 1: Translucent plastic (seal ring, Silicone)

Note: "<" = less than  
% w/w = percent weight by weight

Method: Appendix III of French Arrete 25 Nov 1992.

**RESULTS:**

PART 1

Sample Image



Disney  
(5212)325-0485



Disney  
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Disney  
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**RESULTS:**

**PART 2**

The test results of the samples submitted on November 05, 2012 as reported in Technical Report No. (5212)310-0592 are as follow:

**Materials in Contact with Foodstuffs – French Decree 2007-766 and French Arrete 25 Nov 1992**

Test Item	Description	Client Claimed Material
2	Translucent plastic (seal ring)	Silicone

**For Material: Silicone**

**1. Overall Migration Test for Silicone in Contact with Foodstuffs – French Decree 2007-766 and French Arrete 25 Nov 1992**

Test Condition: 3% Acetic acid: 40 °C, 24 hrs

Simulant Used	Unit	Result	Maximum Allowable Limit	Analytical Tolerance
		2		
3% Acetic acid	mg/dm <sup>2</sup>	<5	10	+2
<b>Conclusion</b>	-	PASS	-	-

Note: “<” = less than  
 mg/dm<sup>2</sup> = milligram per square decimetre

Method: EN 1186-1: 2002.

Remark: 1) The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.  
 2) For article intended for repeated use, the migration tests are carried out three times on the same test sample and the third test result is shown in result table.  
 3) Selected test was specified by client.

**2. Peroxides Value for Silicone in Contact with Foodstuffs – French Decree 2007-766 and French Arrete 25 Nov 1992**

Parameter	Result	Maximum Allowable Limit
	2	
Peroxides	Absent	Absent
<b>Conclusion</b>	PASS	-

Method: European Pharmacopeia 5.0, Ph. Eur. Method 2.5.5.



**RESULTS:**

PART 2

**Materials in Contact with Foodstuffs – French Decree 2007-766 and French Arrete 25 Nov 1992**

**3. Migration of Organotin for Plastic Materials in Contact with Foodstuffs – French Decree 2007-766 and French Arrete 25 Nov 1992**

Test Condition: 3% Acetic acid: 40 °C, 24 hrs

Parameter	Simulant Used	Unit	Result	Maximum Allowable Limit
			2	
Organotin as Tin	3% Acetic acid	mg/kg	<0.05	0.1
<b>Conclusion</b>	-	-	PASS	-

Note: "<" = less than  
mg/kg = milligram per kilogram

Method: EN 1186-1: 2002 and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Remark: 1) The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.



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**RESULTS:**

PART 2

**Metal Content for Aluminium in Contact with Foodstuffs – French Decree 2007-766, French DGCCRF Note Information No. 2004-64 and French Arrete 27 August 1987**

Parameter	Unit	Result	Limit
		1	
Aluminium (Al)	%	99.8	≥99
Iron (Fe) + Silicon (Si)	%	0.164	<1
Beryllium (Be)	%	<0.005	≤0.05
Chromium (Cr)	%	<0.01	≤0.1
Copper (Cu)	%	<0.01	≤0.1
Magnesium (Mg)	%	<0.01	≤0.1
Manganese (Mn)	%	<0.01	≤0.1
Nickel (Ni)	%	<0.01	≤0.1
Lead (Pb)	%	<0.005	≤0.05
Tin (Sn)	%	<0.01	≤0.1
Titanium (Ti)	%	<0.01	≤0.15
Thallium (Tl)	%	<0.005	≤0.05
Zinc (Zn)	%	0.021	≤0.1
<b>Conclusion</b>	-	PASS	-

Test Item 1: Silvery metal with transparent coating (bottle, Aluminium)

Note: “<” = less than  
“≤” = less than or equal to  
“≥” = greater than or equal to

Method: Acid digestion and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Remark: 1) Selected test was specified by client.



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**RESULTS:**

PART 2

**Overall Migration Test for Coated Metal in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments, French Decree 2007-766 and French DGCCRF Note Information No. 2004-64**

Test Condition: Distilled water: 40 °C, 24 hrs  
10% Ethanol: 40 °C, 24 hrs

Simulant Used	Unit	Result	Maximum Allowable Limit	Analytical Tolerance
		1		
Distilled water	mg/dm <sup>2</sup>	<5	10	+2
10% Ethanol	mg/dm <sup>2</sup>	<5	10	+2
<b>Conclusion</b>	-	PASS	-	-

Test Item 1: Silvery metal with transparent coating (bottle, Aluminium)

Note: "<" = less than  
mg/dm<sup>2</sup> = milligram per square decimetre

Method: EN 1186-1: 2002 and French DGCCRF Note Information No. 2004-64.

Remark: 1) The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.  
2) For article intended for repeated use, the migration tests are carried out three times on the same test sample and the third test result is shown in result table.  
3) Selected test was specified by client.