

# TEST REPORT

Test Report # 16H-03671 Date of Report Issue: July 6, 2016  
Date of Sample Received: June 29, 2016 Pages: Page 1 of 11

### CLIENT INFORMATION:

Company: Hit Promotional Products  
Recipient: Nathan Cotter  
Recipient Email: ncotter@hitpromo.net



### SAMPLE INFORMATION:

Description: 16oz. Snack Attack Tumbler  
Assortment: 6 Colors Purchase Order Number: 167727  
SKU No.: 5947 Agent: Growth-Sonic  
Factory No.: 127756 Country of Origin: China  
Country of Distribution: United States Labeled Age Grade: -  
Quantity Submitted: 5 pcs per style Recommended Age Grade: -  
Testing Period: 06/29/2016 – 07/06/2016 Tested Age Grade: -

### OVERALL RESULT:

**PASS**

Refer to page 2 for test result summary and appropriate notes.

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The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

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**TEST RESULTS SUMMARY:**

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	Client's Requirement: Bisphenol A and Bisphenol S <sup>#</sup>
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets <sup>#</sup>
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	FDA 21 CFR 177.1640, Polystyrene <sup>#</sup>
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers
PASS	Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation (SOR/2010-273), Total Lead in Accessible Substrates

**Remark:**

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings and Canadian Surface Coating Materials Regulations (SOR/2005-109), Total Lead and Mercury in Paints and Surface Coatings were not conducted as no paint and similar surface coating found on received sample.

**DETAILED RESULTS:**

**CPSIA Section 101, Total Lead in Substrate Materials**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2+3+4	5+6+7	8+9+10	11+12+13	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	14+15	16+17	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	---	---	---	<b>100</b>
<b>Conclusion</b>	PASS	PASS	---	---	---	

*Note:*

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**DETAILED RESULTS:**

**Client's Requirement: Bisphenol A and Bisphenol S**

Test Method: AI | ANSECO Method#

Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		1	14	15	16	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	ND
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

Specimen No.		17	18	19	20	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	ND
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

Specimen No.		21	22	23	---	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	ND
Bisphenol S (BPS)	80-09-1	ND	ND	ND	---	ND
<b>Conclusion</b>		PASS	PASS	PASS	---	

*Note:*

ppb (Parts per billion) = µg/kg (Micrograms per kilogram)

LT = Less than

ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

**DETAILED RESULTS:**

**FDA 21 CFR 177.1210, Closures with Sealing Gaskets**

Test Method: FDA 21 CFR 177.1210<sup>#</sup>

Specimen No.			1	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (ppm)	120°F	24 hours	ND	<b>10</b>	<b>50</b>
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature

°F = Degree Fahrenheit

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*

The specification is quoted from 21 CFR 177.1210 Table 2 Section 2.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			15	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.896	NA	0.880 – 0.913
Melting point (°C)	NA	NA	163.5	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.7	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.7	0.5	9.8
<b>Conclusion</b>			PASS		

Specimen No.			16	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.894	NA	0.880 – 0.913
Melting point (°C)	NA	NA	162.5	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.8	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.4	0.5	9.8
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature

°C = Degree Celsius

g/cc = Grams per cubic centimeter

% w/w = Percent by weight

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*

The specification is quoted from 21 CFR 177.1520 (c) 1.1.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1640, Polystyrene**

Test Method: FDA 21 CFR 177.1640#  
 Analytical Method: Gas Chromatography with Mass Spectrometry

Contact with Fatty Foods

Specimen No.		17	18	19	20	Limit (% m/m)
Test Item	CAS No.	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	
Styrene	100-42-5	ND	ND	ND	ND	<b>0.5</b>
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

Specimen No.		21	22	23	---	Limit (% m/m)
Test Item	CAS No.	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	
Styrene	100-42-5	ND	ND	ND	---	<b>0.5</b>
<b>Conclusion</b>		PASS	PASS	PASS	---	

*Note:*

% m/m = Percent by mass

LT = Less than

ND = Not detected (Reporting Limit = 0.05 % m/m)

*Remark:*

The specification is quoted from 21 CFR 177.1640 (c) (1).

**DETAILED RESULTS:**

**FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers**

Test Method: FDA 21 CFR 180.22 and 181.32  
 Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			14	RL	Limit
Test Simulant	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	120°F	2 hours	ND	<b>0.001</b>	<b>0.003</b>
n-Heptane extractive (mg/in <sup>2</sup> )	120°F	2 hours	ND	<b>0.001</b>	<b>0.003</b>
3% Acetic acid extractive (mg/in <sup>2</sup> )	120°F	2 hours	ND	<b>0.001</b>	<b>0.003</b>
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature  
 °F = Degree Fahrenheit  
 mg/in<sup>2</sup> = Milligrams per square inch  
 LT = Less than  
 ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*

The specification is quoted from 21 CFR 181.32 (b) (3).



**DETAILED RESULTS:**

**Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation (SOR/2010-273), Total Lead in Accessible Substrates**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2+3+4	5+6+7	8+9+10	11+12+13	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	14+15	16+17	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	---	---	---	<b>90</b>
<b>Conclusion</b>	PASS	PASS	---	---	---	

*Note:*

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Translucent soft plastic (Silicone)	Gasket (all styles)
2	Transparent red plastic	Lid/ outer wall (red style)
3	Transparent orange plastic	Lid/ outer wall (orange style)
4	Transparent green plastic	Lid/ outer wall (green style)
5	Transparent blue plastic	Lid/ outer wall (blue style)
6	Transparent purple plastic	Lid/ outer wall (purple style)
7	Transparent black plastic	Lid/ outer wall (black style)
8	Red plastic	Band of snack holder (red style)
9	Orange plastic	Band of snack holder (orange style)
10	Green plastic	Band of snack holder (green style)
11	Blue plastic	Band of snack holder (blue style)
12	Purple plastic	Band of snack holder (purple style)
13	Black plastic	Band of snack holder (black style)
14	White plastic (ABS)	Snake holder (all styles)
15	Dull white plastic (PP- homo)	Straw (all styles)
16	Dull transparent plastic (PP- homo)	Ring of straw (all styles)
17	Transparent plastic (PS)	Inner wall (all styles)
18	Transparent red plastic (PS)	Lid (red style)
19	Transparent orange plastic (PS)	Lid (orange style)
20	Transparent green plastic (PS)	Lid (green style)
21	Transparent blue plastic (PS)	Lid (blue style)
22	Transparent purple plastic (PS)	Lid (purple style)
23	Transparent black plastic (PS)	Lid (black style)

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**SAMPLE PHOTO:**



-End Report-