

TEST REPORT

Company: Hit Promotional Products
 Recipient: Doug Donnell
 Recipient Email: doug@hitpromo.net
 cc to Email: nbarahona@hitpromo.net

Test Report # 14H-03349
 Date of Issue: November 10, 2014
 Pages: Page 1 of 11
 Date Received: October 14, 2014

SAMPLE INFORMATION:

Description: 25 oz. Water Bottle with Straw
 Assortment: 5 colors Purchase Order Number: 127028
 SKU No.: 5803 Agent: Growth-Sonic
 Factory No.: 127875 Country of Origin: China
 Country of Distribution: United States Labeled Age Grade: -
 Quantity Submitted: 5 pcs per style Recommended Age Grade: -
 Testing Period: 10/31/2014 – 11/10/2014 Tested Age Grade: -

OVERALL RESULT:

PASS

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 [#]
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers [#]
PASS	FDA 21 CFR 177.1520, Polyethylene
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers
PASS	FDA 21 CFR 177.1640, Polystyrene [#]

ANSECO GROUP (HK) LIMITED



Vincent Chow Wai Kit
 Manager, Chemical Laboratory

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DETAILED RESULTS:

CPSIA Section 101, Total Lead in Substrate Materials

Analysis performed by Inductively Coupled Plasma Optical Emission Spectrometry to determine compliance with the above referenced regulation. [Referenced Test Method: CPSC-CH-E1002-08.2 (Non-Metal)]

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

Note:

Pb = Lead

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

ND = Not Detected (Reporting limit = 20ppm)

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DETAILED RESULTS:

Client's Requirement: Bisphenol A

Analysis performed by High Performance Liquid Chromatography with Fluorescence Detector to determine compliance with the above specification. [Referenced Test Method: ANSECO Method[#]]

Specimen No.	1	2	3	4	5	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A	ND	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	10	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A	ND	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	13	---	---	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A	ND	ND	ND	---	---	ND
Conclusion	PASS	PASS	PASS	---	---	

Note:

ppm = Parts per million = mg/kg (Milligrams per kilogram)
 ND = Not Detected (Reporting limit = 1 ppm)

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DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1210#]

Specimen No.			1	---	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	105 minutes	ND	---	50
Conclusion			PASS	---	

Note:

ppm = part per million
 °F = Degree Fahrenheit
 ND = Not Detected (Reporting limit = 10ppm)

Remark:

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

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polyethylene

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1520]

Specimen No.			2	---	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Density (g/cc)	NA	NA	0.918	---	0.85–1.00
n-Hexane extractive (% w/w)	50°C	2 hours	ND	---	5.5
Xylene extractive (% w/w)	Reflux	2 hours	4.9	---	11.3
Conclusion			PASS	---	

Note:

g/cc = Grams per cubic centimeter
 °C = Degree Celcius
 % w/w = Percent by weight
 NA = Not applicable
 ND = Not Detected (Reporting limit = 1.0%w/w)

Remark:

The specification is quoted from 21 CFR 177.1520 (c) 2.1.

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1520]

Specimen No.			3	---	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Density (g/cc)	NA	NA	0.911	---	0.85–1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.6	---	5.5
Xylene extractive (% w/w)	25 °C	1 hour	2.9	---	30
Conclusion			PASS	---	

Note:

g/cc = Grams per cubic centimeter
 °C = Degree Celsius
 % w/w = Percent by weight
 NA = Not applicable
 ND = Not Detected (Reporting limit = 1.0%w/w)

Remark:

The specification is quoted from 21 CFR 177.1520 (c) 3.1a.

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DETAILED RESULTS:

FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1630]

Specimen No.			4	5	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (mg/in ²)	250°F	2 hours	ND	ND	0.5
n-Heptane extractive (mg/in ²)	150°F	2 hours	ND	ND	0.5
Conclusion			PASS	PASS	

Specimen No.			6	7	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (mg/in ²)	250°F	2 hours	ND	ND	0.5
n-Heptane extractive (mg/in ²)	150°v	2 hours	ND	0.2	0.5
Conclusion			PASS	PASS	

Note:

mg/in² = Milligram per square inch
 °F = Degree Fahrenheit
 ND = Not Detected (Reporting limit = 0.10mg/in²)

Remark:

The specification is quoted from 21 CFR 177.1630 (f).

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DETAILED RESULTS:

FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1630]

Specimen No.			8	---	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (mg/in ²)	250°F	2 hours	ND	---	0.5
n-Heptane extractive (mg/in ²)	150°F	2 hours	ND	---	0.5
Conclusion			PASS	---	

Note:

mg/in² = Milligram per square inch

°F = Degree Fahrenheit

ND = Not Detected (Reporting limit = 0.10mg/in²)

Remark:

The specification is quoted from 21 CFR 177.1630 (f).

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DETAILED RESULTS:

FDA 21 CFR 177.1640, Polystyrene

Analysis performed by Gas Chromatography/Mass Spectrometry to determine compliance with the above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1640[#]]

Specimen No.	9	10	11	Specification
Test Item	Result	Result	Result	
Total residual styrene monomer (% w/w)	ND	0.06	ND	1.0
Conclusion	PASS	PASS	PASS	

Specimen No.	12	13	---	Specification
Test Item	Result	Result	Result	
Total residual styrene monomer (% w/w)	0.06	ND	---	1.0
Conclusion	PASS	PASS	---	

Note:

% w/w = Percentage by weight
 ND = Not Detected (Reporting limit = 0.05% w/w)

Remark:

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

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Translucent soft plastic (Silicone)	Gaskets (all styles)
2	Translucent plastic (PE)	Straw (all styles)
3	Black plastic (PP co)	Lid (all styles)
4	Transparent red plastic (Tritan)	Body (red style)
5	Transparent orange plastic (Tritan)	Body (orange style)
6	Transparent green plastic (Tritan)	Body (green style)
7	Transparent blue plastic (Tritan)	Body (blue style)
8	Transparent black plastic (Tritan)	Body (black style)
9	Dull transparent red plastic (PS)	Spout (red style)
10	Dull transparent orange plastic (PS)	Spout (orange style)
11	Dull transparent green plastic (PS)	Spout (green style)
12	Dull transparent blue plastic (PS)	Spout (blue style)
13	Dull transparent black plastic (PS)	Spout (black style)

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SAMPLE PHOTO:



-End Report-

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