

TEST REPORT

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

Test Report # 13H-03937
 Date of Issue: January 13, 2014
 Pages: Page 1 of 9
 Date Received: December 20, 2013

SAMPLE INFORMATION:

Description: 24 oz Clear Bottle with Colored Silicone Band
 Assortment: BLK, RED, ROY, GRN, ORN Purchase Order Number: 95650
 SKU No.: 5818 Agent: Growth-Sonic
 Factory No.: 127942 Country of Origin: China
 Country of Distribution: United States Labeled Age Grade: -
 Quantity Submitted: 5 pcs per style + 1 lot Parts Recommended Age Grade: -
 Testing Period: 12/27/2013 – 01/02/2014 Tested Age Grade: -
 01/09/2014 – 01/13/2014

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	Total Bisphenol A Content
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	FDA 21 CFR 177.1640, Polystyrene
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers

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	Limit Total (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Pb	LT 10	LT 10	LT 10	LT 10	LT 10	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	10	Limit Total (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Pb	LT 10	LT 10	LT 10	LT 10	LT 10	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	13	14	15	Limit Total (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Pb	LT 10	LT 10	LT 10	LT 10	LT 10	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16	17	18	---	---	Limit Total (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Pb	LT 10	LT 10	LT 10	---	---	100
Conclusion	PASS	PASS	PASS	---	---	

Note:

Pb = Lead
 mg/kg = Milligram per kilogram
 LT = Less Than

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DETAILED RESULTS:

Total Bisphenol A Content

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

Specimen No.	1	2	3	4	5	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Bisphenol A	ND	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	10	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Bisphenol A	ND	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	13	14	15	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Bisphenol A	ND	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16	17	18	---	---	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Bisphenol A	ND	ND	ND	---	---	ND
Conclusion	PASS	PASS	PASS	---	---	

Note:
 mg/kg = Milligram per kilogram
 LT = Less Than
 ND = Not Detected (Detection limit = 1 mg/kg)

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

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

Specimen No.			1	2	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Density (g/cc)	NA	NA	0.902	0.900	0.880-0.913
Melting point (°C)	NA	NA	167.2	171.4	160-180
n-Hexane extractive (% w/w)	Reflux	2 hours	2.1	1.1	6.4
Xylene extractive (% w/w)	25°C	2 hours	3.5	3.8	9.8
Conclusion			PASS	PASS	

Specimen No.			3	4	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Density (g/cc)	NA	NA	0.906	0.902	0.880-0.913
Melting point (°C)	NA	NA	172.4	174.4	160-180
n-Hexane extractive (% w/w)	Reflux	2 hours	1.0	1.0	6.4
Xylene extractive (% w/w)	25°C	2 hours	3.5	3.3	9.8
Conclusion			PASS	PASS	

Note:

% w/w = Percentage by weight
 g/cc = Gram per cubic centimeter
 °C = Degree Celsius
 LT = Less Than
 NA = Not applicable

Remark:

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

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

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

Specimen No.			5	---	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Density (g/cc)	NA	NA	0.901	---	0.880-0.913
Melting point (°C)	NA	NA	170.4	---	160-180
n-Hexane extractive (% w/w)	Reflux	2 hours	1.2	---	6.4
Xylene extractive (% w/w)	25°C	2 hours	3.4	---	9.8
Conclusion			PASS	---	

Note:

% w/w = Percentage by weight
 g/cc = Gram per cubic centimeter
 °C = Degree Celsius
 LT = Less Than
 NA = Not applicable

Remark:

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

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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.	7	8	9	Specification
Test Item	Result	Result	Result	
Total residual styrene monomer (% w/w)	LT 0.05	0.05	LT 0.05	1.0
Conclusion	PASS	PASS	PASS	

Specimen No.	10	11	---	Specification
Test Item	Result	Result	Result	
Total residual styrene monomer (% w/w)	LT 0.05	LT 0.05	---	1.0
Conclusion	PASS	PASS	---	

Note:

% w/w = Percentage by weight

LT = Less Than

Remark:

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

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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.			12	13	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	1 hour	LT 10	LT 10	50
Conclusion			PASS	PASS	

Note:

ppm = part per million
 °F = Degree Fahrenheit
 LT = Less Than

Remark:

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

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black plastic (PP-homo)	Lid (BLK style)
2	Red plastic (PP-homo)	Lid (RED style)
3	Royal blue plastic (PP-homo)	Lid (ROY style)
4	Green plastic (PP-homo)	Lid (GRN style)
5	Orange plastic (PP-homo)	Lid (ORN style)
6	Clear plastic (Tritan)	Body (all styles)
7	Transparent dark charcoal plastic (PS)	Mouth piece (BLK style)
8	Transparent red plastic (PS)	Mouth piece (RED style)
9	Transparent royal blue plastic (PS)	Mouth piece (ROY style)
10	Transparent green plastic (PS)	Mouth piece (GRN style)
11	Transparent orange plastic (PS)	Mouth piece (ORN style)
12	Translucent soft plastic	Gasket of mouth piece / lid (all styles)
13	Deep grey soft plastic	Valve of lid (all styles)
14	Black soft plastic	Sleeve of body (BLK style)
15	Red soft plastic	Sleeve of body (RED style)
16	Royal blue soft plastic	Sleeve of body (ROY style)
17	Green soft plastic	Sleeve of body (GRN style)
18	Orange soft plastic	Sleeve of body (ORN style)

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SAMPLE PHOTO:



-End Report-

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