

TEST REPORT

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

Test Report # 14H-00323
 Date of Issue: March 11, 2014
 Pages: Page 1 of 10
 Date Received: February 24, 2014

SAMPLE INFORMATION:

Description: 16oz Double Wall Tumbler
 Assortment: 5 colors
 SKU No.: 5847
 Factory No.: 127827
 Country of Distribution: United States
 Quantity Submitted: 5 pcs per style
 Testing Period: 02/26/2014 – 03/11/2014
 Purchase Order Number: 104434
 Agent: Growth-Sonic
 Country of Origin: China
 Labeled Age Grade: -
 Recommended Age Grade: -
 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, Polypropylene Homopolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymer

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 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 20	LT 20	LT 20	LT 20	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:

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

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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
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
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)
Bisphenol A	ND	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	

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

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not Detected (Reporting limit = 1mg/kg)

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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	50 minutes	24	---	50
Conclusion			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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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.			2	3	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Density (g/cc)	NA	NA	0.903	0.905	0.880–0.913
Melting point (°C)	NA	NA	170.3	166.3	160-180
n-Hexane extractive (% w/w)	Reflux	2 hours	1.6	0.7	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.0	1.6	9.8
Conclusion			PASS	PASS	

Specimen No.			4	5	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Density (g/cc)	NA	NA	0.908	0.907	0.880–0.913
Melting point (°C)	NA	NA	164.3	166.3	160-180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.9	0.8	6.4
Xylene extractive (% w/w)	25°C	1 hour	1.9	2.3	9.8
Conclusion			PASS	PASS	

Note:

g/cc = Grams per cubic centimeter
 °C = Degree Celsius
 % w/w = Percent by weight
 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.			6	7	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Density (g/cc)	NA	NA	0.907	0.905	0.880–0.913
Melting point (°C)	NA	NA	167.4	167.4	160-180
n-Hexane extractive (% w/w)	Reflux	2 hours	1.0	1.0	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.1	2.0	9.8
Conclusion			PASS	PASS	

Note:

g/cc = Grams per cubic centimeter
 °C = Degree Celsius
 % w/w = Percent by weight
 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 180.22 and 181.32, Acrylonitrile/Styrene Copolymer

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 180.22[#] and 181.32[#]]

Acrylonitrile Monomers:

Specimen No.			9	10	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (mg/in ²)	120°F	4 hours	LT 0.002	LT 0.002	0.003
n-Heptane extractive (mg/in ²)	120°F	4 hours	LT 0.002	LT 0.002	0.003
8% Ethanol extractive (mg/in ²)	120°F	4 hours	LT 0.002	LT 0.002	0.003
3% Acetic acid extractive (mg/in ²)	120°F	4 hours	LT 0.002	LT 0.002	0.003
Conclusion			PASS	PASS	

Specimen No.			11	12	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (mg/in ²)	120°F	4 hours	LT 0.002	LT 0.002	0.003
n-Heptane extractive (mg/in ²)	120°F	4 hours	LT 0.002	LT 0.002	0.003
8% Ethanol extractive (mg/in ²)	120°F	4 hours	LT 0.002	LT 0.002	0.003
3% Acetic acid extractive (mg/in ²)	120°F	4 hours	LT 0.002	LT 0.002	0.003
Conclusion			PASS	PASS	

Note:

mg/in² = Milligram per square inch
 °F = Degree Fahrenheit
 LT = Less Than

Remark:

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

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DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymer

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 180.22[#] and 181.32[#]]

Acrylonitrile Monomers:

Specimen No.			13	---	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (mg/in ²)	120°F	4 hours	LT 0.002	---	0.003
n-Heptane extractive (mg/in ²)	120°F	4 hours	LT 0.002	---	0.003
8% Ethanol extractive (mg/in ²)	120°F	4 hours	LT 0.002	---	0.003
3% Acetic acid extractive (mg/in ²)	120°F	4 hours	LT 0.002	---	0.003
Conclusion			PASS	---	

Note:

mg/in² = Milligram per square inch

°F = Degree Fahrenheit

LT = Less Than

Remark:

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

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Translucent soft plastic (Silicone)	Gaskets (all styles)
2	Grey plastic (PP-HOMO)	Lid (all styles)
3	Green plastic (PP-HOMO)	Cover of lid (green style)
4	Blue plastic (PP-HOMO)	Cover of lid (blue style)
5	Orange plastic (PP-HOMO)	Cover of lid (orange style)
6	Red plastic (PP-HOMO)	Cover of lid (red style)
7	Light grey plastic (PP-HOMO)	Cover of lid (grey style)
8	Transparent plastic (AS)	Outer wall (all styles)
9	Transparent green plastic (AS)	Inner wall (green style)
10	Transparent blue plastic (AS)	Inner wall (blue style)
11	Transparent orange plastic (AS)	Inner wall (orange style)
12	Transparent red plastic (AS)	Inner wall (red style)
13	Transparent grey plastic (AS)	Inner wall (grey style)

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SAMPLE PHOTO:



-End Report-

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