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TEST REPORT

Company:	Hit Promotional Products	Test Report #	15H-03071
Recipient:	Doug Donnell	Date of Issue:	July 15, 2015
Recipient Email:	doug@hitpromo.net	Pages:	Page 1 of 11
cc to Email:	nbarahona@hitpromo.net	Date Received:	June 16, 2015

SAMPLE INFORMATION:

Description:	17 oz. Diamond Double Wall Tumbler with Straw		
Assortment:	4 colors	Purchase Order Number:	139600
SKU No.:	5860	Agent:	Sino-Sing
Factory No.:	168916	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 pcs per style	Recommended Age Grade:	-
Testing Period:	07/09/2015 – 07/15/2015	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 177.2600, Rubber Articles Intended for Repeated Use
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

ANSECO GROUP (HK) LIMITED

Vincent Chow Wai Kit
Manager, Chemical Laboratory

*The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (*Certificate # *AT-1500.)* Test(s) marked with '#' is/are not covered under the scope of accreditation.
The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.
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ANAB is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

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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-E1001-08.2 (Metal) and/or CPSC-CH-E1002-08.2 (Non-Metal)]

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

Note:
Pb = Lead
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 20ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

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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	
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A	ND	ND	ND	ND	ND	**ND**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	11	
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A	ND	ND	ND	ND	ND	**ND**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not Detected (Reporting limit = 1ppm)

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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		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Distilled water extractive (ppm)	120°F	24 hours	ND	**10**	**50**
Conclusion			PASS		

Note:
°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.

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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.			3		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.900	**NA**	**0.880–0.913**
Melting point (°C)	NA	NA	169.5	**NA**	**150-180**
n-Hexane extractive (% w/w)	Reflux	2 hours	0.6	**0.1**	**6.4**
Xylene extractive (% w/w)	25°C	1 hour	1.4	**0.5**	**9.8**
Conclusion			PASS		

Specimen No.			4		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.893	**NA**	**0.880–0.913**
Melting point (°C)	NA	NA	163.1	**NA**	**150-180**
n-Hexane extractive (% w/w)	Reflux	2 hours	1.1	**0.1**	**6.4**
Xylene extractive (% w/w)	25°C	1 hour	1.2	**0.5**	**9.8**
Conclusion			PASS		

Note:
°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.

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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		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.902	**NA**	**0.880–0.913**
Melting point (°C)	NA	NA	167.6	**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	1.4	**0.5**	**9.8**
Conclusion			PASS		

Specimen No.			6		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.905	**NA**	**0.880–0.913**
Melting point (°C)	NA	NA	167.6	**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	1.3	**0.5**	**9.8**
Conclusion			PASS		

Note:
°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.

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DETAILED RESULTS:

FDA 21 CFR 177.2600, Rubber Articles Intended for Repeated Use

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.2600]

Specimen No.			2		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	Reflux	First 7 hours	ND	**2**	**20**
Distilled water extractive (mg/in^2)	Reflux	Succeeding 2 hours	0.2	**0.1**	**1**
Conclusion			PASS		

Note:
mg/in^2 = Milligram 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 177.2600 (e) and 177.2600 (f).

From Client's information, rubber article is intended for repeated use in contact with aqueous food only, therefore n-hexane extractive is not conducted.

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DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Analysis performed by food simulating solvents extractions and Headspace-Gas Chromatography/Mass Spectrometry to determine compliance with above referenced regulations.
[Referenced Test Method: FDA 21 CFR 180.22 and 181.32]

Acrylonitrile Monomers:

Specimen No.			7		
Test Simulant	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Specimen No.			8		
Test Simulant	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Note:
°F = Degree Fahrenheit
mg/in^2 = 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).

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DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Analysis performed by food simulating solvents extractions and Headspace-Gas Chromatography/Mass Spectrometry to determine compliance with above referenced regulations.
[Referenced Test Method: FDA 21 CFR 180.22 and 181.32]

Acrylonitrile Monomers:

Specimen No.			9		
Test Simulant	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Specimen No.			11		
Test Simulant	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Note:
°F = Degree Fahrenheit
mg/in^2 = 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).

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Translucent soft plastic (Silicone)	Gasket (all styles)
2	Dull translucent soft plastic (Silicone)	Straw/ straw holder (all styles)
3	Blue plastic (PP-homo)	Slider (blue style)
4	Red plastic (PP-homo)	Slider (red style)
5	Green plastic (PP-homo)	Slider (green style)
6	Translucent plastic (PP-homo)	Slider (clear style)
7	Transparent blue plastic (AS)	Inner wall/ lid (blue style)
8	Transparent red plastic (AS)	Inner wall/ lid (red style)
9	Transparent green plastic (AS)	Inner wall/ lid (green style)
10	Transparent plastic	Inner wall/ lid (clear style); outer wall (all styles)
11	Transparent plastic (AS)	Inner wall/ lid (clear style)

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SAMPLE PHOTO:

-End Report-