

TEST REPORT

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

Test Report # 15H-03476
 Date of Issue: July 24, 2015
 Pages: Page 1 of 19
 Date Received: July 02, 2015

SAMPLE INFORMATION:

Description: 16oz. Double Wall Travel Tumbler with Straw
 Assortment: 9 colors Purchase Order Number: 139959
 SKU No.: 5866 Agent: Growth-Sonic
 Factory No.: 127740 Country of Origin: China
 Country of Distribution: United States Labeled Age Grade: -
 Quantity Submitted: 5 pcs (Red, Orange, Green, Purple, Clear, Black, Pink), 4 pcs (Blue, Light blue) Recommended Age Grade: -
 Testing Period: 07/20/2015 – 07/24/2015 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, Polyethylene
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

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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	17+18+19	20+21+22	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	23+24	25+26	27+28	---	---	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	ND	ND	---	---	100
Conclusion	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.	9	10	11	12	13	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.	14	15	16	17	18	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	

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:

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.	19	20	21	22	23	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.	24	25	26	28	29	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	

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.		26			
Test Item	Test Condition		Result	RL	Specification
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	60 minutes	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, 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.			17	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.918	NA	0.85-1.00
n-Hexane extractive (% w/w)	50°C	2 hours	0.7	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	2.6	1.0	11.3
Conclusion			PASS		

Specimen No.			18	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.918	NA	0.85-1.00
n-Hexane extractive (% w/w)	50°C	2 hours	0.7	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	2.9	1.0	11.3
Conclusion			PASS		

Note:

- °C = Degree Celcius
- 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) 2.1.

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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.			19	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.917	NA	0.85-1.00
n-Hexane extractive (% w/w)	50°C	2 hours	0.7	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	2.2	1.0	11.3
Conclusion			PASS		

Specimen No.			20	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.917	NA	0.85-1.00
n-Hexane extractive (% w/w)	50°C	2 hours	1.1	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	2.9	1.0	11.3
Conclusion			PASS		

Note:

- °C = Degree Celcius
- 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) 2.1.

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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.			21	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.918	NA	0.85-1.00
n-Hexane extractive (% w/w)	50°C	2 hours	0.9	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	3.1	1.0	11.3
Conclusion			PASS		

Specimen No.			22	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.917	NA	0.85-1.00
n-Hexane extractive (% w/w)	50°C	2 hours	1.0	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	3.6	1.0	11.3
Conclusion			PASS		

Note:

- °C = Degree Celcius
- 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) 2.1.

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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.			23	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.916	NA	0.85-1.00
n-Hexane extractive (% w/w)	50°C	2 hours	1.2	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	3.1	1.0	11.3
Conclusion			PASS		

Specimen No.			24	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.918	NA	0.85-1.00
n-Hexane extractive (% w/w)	50°C	2 hours	0.9	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	2.8	1.0	11.3
Conclusion			PASS		

Note:

- °C = Degree Celcius
- 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) 2.1.

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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.			28	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.919	NA	0.85-1.00
n-Hexane extractive (% w/w)	50°C	2 hours	1.6	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	9.1	1.0	11.3
Conclusion			PASS		

Note:

- °C = Degree Celcius
- g/cc = Grams per cubic centimeter
- % w/w = Percent by weight
- NA = Not applicable
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 Date Received: July 02, 2015

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.			25	RL	Specification
Test Item	Test Condition		Result		
	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	ND	0.1	1
Conclusion			PASS		

Note:

mg/in² = 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.			9	RL	Specification
Test Simulant	Test Condition		Result		
	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.			10	RL	Specification
Test Simulant	Test Condition		Result		
	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/in² = 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.			11	RL	Specification
Test Simulant	Test Condition		Result		
	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.			12	RL	Specification
Test Simulant	Test Condition		Result		
	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/in² = 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.			13	RL	Specification
Test Simulant	Test Condition		Result		
	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.			14	RL	Specification
Test Simulant	Test Condition		Result		
	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/in² = 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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TEST REPORT

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

Test Report # 15H-03476
 Date of Issue: July 24, 2015
 Pages: Page 15 of 19
 Date Received: July 02, 2015

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.			15	RL	Specification
Test Simulant	Test Condition		Result		
	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.			16	RL	Specification
Test Simulant	Test Condition		Result		
	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/in² = Milligrams per square inch
 LT = Less than
 ND = Not detected. Result value is less than reporting limit (RL).

Remark:

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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.			29	RL	Specification
Test Simulant	Test Condition		Result		
	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/in² = 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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Test Report # 15H-03476
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 Pages: Page 17 of 19
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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Transparent red plastic	Lid/ outer wall (red style)
2	Transparent orange plastic	Lid/ outer wall (orange style)
3	Transparent green plastic	Lid/ outer wall (green style)
4	Transparent blue plastic	Lid/ outer wall (blue style)
5	Transparent purple plastic	Lid/ outer wall (purple style)
6	Transparent plastic	Lid/ outer wall (clear style); Inner wall (all styles)
7	Transparent grey plastic	Lid/ outer wall (black style)
8	Transparent pink plastic	Lid/ outer wall (pink style)
9	Transparent red plastic (AS)	Lid (red style)
10	Transparent orange plastic (AS)	Lid (orange style)
11	Transparent green plastic (AS)	Lid (green style)
12	Transparent blue plastic (AS)	Lid (blue style)
13	Transparent purple plastic (AS)	Lid (purple style)
14	Transparent plastic (AS)	Lid (clear style); Inner wall (all styles)
15	Transparent grey plastic (AS)	Lid (black style)
16	Transparent pink plastic (AS)	Lid (pink style)
17	Red plastic (PE)	Slider (red style)
18	Orange plastic (PE)	Slider (orange style)
19	Green plastic (PE)	Slider (green style)
20	Blue plastic (PE)	Slider (blue style)
21	Purple plastic (PE)	Slider (purple style)
22	Translucent plastic (PE)	Slider (clear style)
23	Black plastic (PE)	Slider (black style)
24	Pink plastic (PE)	Slider (pink style)

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Test Report # 15H-03476
 Date of Issue: July 24, 2015
 Pages: Page 18 of 19
 Date Received: July 02, 2015

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
25	Transparent soft plastic (Silicon)	Straw (all styles)
26	Translucent soft plastic	Gasket (all styles)
27	Transparent light blue plastic	Lid/ outer wall (light blue style)
28	Light blue plastic (PE)	Slider (light blue plastic)
29	Transparent light blue plastic (AS)	Lid (light blue style)

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SAMPLE PHOTO:



-End Report-

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