AT-1500

TEST REPORT

Test Report #	17H-006147	Date of Report Issue:	August 29, 2017
Date of Sample Received:	July 26, 2017	Pages:	Page 1 of 17

CLIENT INFORMATION:

Company:	Hit Promotional Products
Recipient:	Nathan Cotter
Recipient Email:	ncotter@hitpromo.net

SAMPLE INFORMATION:

Description:	16oz. Stainless Steel Double Wall Chroma Tumbler With Straw		
Assortment:	6 colors	Purchase Order Number:	207955
SKU No.:	5745	Agent:	Growth-Sonic
Factory No.:	127827	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 pcs per style + 2 lots Parts	Recommended Age Grade:	-
Testing Period:	07/26/2017 – 08/03/2017 08/04/2017 – 08/09/2017 08/24/2017 – 08/29/2017	Tested Age Grade:	-

OVERALL RESULT: **PASS**

Refer to page 2 for test result summary and appropriate notes.

ANSECO GROUP (HK) LIMITED

Loska Yeung Lok Ka
Assistant Manager, Chemical Laboratory

TEST RESULTS SUMMARY:

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	Client's Requirement, Bisphenol A and Bisphenol S#
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets#
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers
PASS	Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates

DETAILED RESULTS:

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E-1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2+3	4	5	6	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	---	**90**
Conclusion	PASS	PASS	PASS	PASS	---	

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

DETAILED RESULTS:

CPSIA Section 101, Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7+8+9	10+11+12	13+14+15	16+17+18	19+20	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	21	22	23	---	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	---	---	**100**
Conclusion	PASS	PASS	PASS	---	---	

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

DETAILED RESULTS:

Client's Requirement, Bisphenol A and Bisphenol S

Test Method: AI|ANSECO Method#
Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		7	8	9	10	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		11	12	13	14	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Note:
ppb (Parts per billion) = µg/kg (Micrograms per kilogram)
NA = Not applicable
LT = Less than
ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

DETAILED RESULTS:

Client's Requirement, Bisphenol A and Bisphenol S

Test Method: AI|ANSECO Method#
Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		15	16	17	18	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		19	20	21	---	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	**ND**
Bisphenol S (BPS)	80-09-1	ND	ND	ND	---	**ND**
Conclusion		PASS	PASS	PASS	---	

Note:
ppb (Parts per billion) = µg/kg (Micrograms per kilogram)
NA = Not applicable
LT = Less than
ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			21		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Distilled water extractive (ppm)	120°F	24 hours	ND	**10**	**50**
Conclusion			PASS		

Note:
Temp. = Temperature
°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.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			13		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.902	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	ND	**0.4**	**5.5**
Xylene extractive (% w/w)	25°C	1 hour	1.4	**1**	**30**
Conclusion			PASS		

Specimen No.			14		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.900	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	ND	**0.4**	**5.5**
Xylene extractive (% w/w)	25°C	1 hour	5.0	**1**	**30**
Conclusion			PASS		

Note:
Temp. = Temperature
°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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			15		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.901	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	ND	**0.4**	**5.5**
Xylene extractive (% w/w)	25°C	1 hour	2.8	**1**	**30**
Conclusion			PASS		

Specimen No.			16		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.900	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	ND	**0.4**	**5.5**
Xylene extractive (% w/w)	25°C	1 hour	2.5	**1**	**30**
Conclusion			PASS		

Note:
Temp. = Temperature
°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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			17		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.901	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	ND	**0.4**	**5.5**
Xylene extractive (% w/w)	25°C	1 hour	ND	**1**	**30**
Conclusion			PASS		

Specimen No.			18		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.898	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	ND	**0.4**	**5.5**
Xylene extractive (% w/w)	25°C	1 hour	ND	**1**	**30**
Conclusion			PASS		

Note:
Temp. = Temperature
°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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			19		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.898	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	ND	**0.4**	**5.5**
Xylene extractive (% w/w)	25°C	1 hour	ND	**1**	**30**
Conclusion			PASS		

Specimen No.			20		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.898	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	ND	**0.4**	**5.5**
Xylene extractive (% w/w)	25°C	1 hour	2.5	**1**	**30**
Conclusion			PASS		

Note:
Temp. = Temperature
°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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32
Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			7		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	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**	**Limit**
	Temp.	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:
Temp. = Temperature
°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).

DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32
Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			9		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	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		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	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:
Temp. = Temperature
°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).

DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32
Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			11		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	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		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	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:
Temp. = Temperature
°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).

DETAILED RESULTS:

Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7+8+9	10+11+12	13+14+15	16+17+18	19+20	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	21	22	23	---	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	---	---	**90**
Conclusion	PASS	PASS	PASS	---	---	

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

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black coating	On outer wall (black style)
2	Blue coating	On outer wall (blue style)
3	Purple coating	On outer wall (purple style)
4	Red coating	On outer wall (red style)
5	Turquoise coating	On outer wall (dark green style)
6	Green coating	On outer wall (green style)
7	Clear black plastic (AS)	Lid (black style)
8	Clear blue plastic (AS)	Lid (blue style)
9	Clear purple plastic (AS)	Lid (purple style)
10	Clear red plastic (AS)	Lid (red style)
11	Clear turquoise plastic (AS)	Lid (dark green style)
12	Clear green plastic (AS)	Lid (green style)
13	Black plastic (PP-co)	Inner wall (all styles)
14	Translucent plastic (PP-co)	Ring of straw (all styles)
15	Translucent black plastic (PP-co)	Straw (black style)
16	Translucent blue plastic (PP-co)	Straw (blue style)
17	Translucent purple plastic (PP-co)	Straw (purple style)
18	Translucent red plastic (PP-co)	Straw (red style)
19	Translucent turquoise plastic (PP-co)	Straw (dark green style)
20	Translucent green plastic (PP-co)	Straw (green style)
21	Translucent soft plastic (Silicone)	Gasket (all styles)
22	Black foam with adhesive	Pad of bottom (all styles)
23	Silvery metal	Outer wall (all styles)

SAMPLE PHOTO:

-End Report-