AT-1500

TEST REPORT

Test Report #	16H-04803	Date of Report Issue:	August 10, 2016
Date of Sample Received:	August 4, 2016	Pages:	Page 1 of 10

CLIENT INFORMATION:

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

SAMPLE INFORMATION:

Description:	16oz. Double Wall Plastic Tumbler		
Assortment:	4 Colors	Purchase Order Number:	173354
SKU No.:	5920	Agent:	Headwind (Chairs, Bottles)
Factory No.:	129930	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	4 pcs per style	Recommended Age Grade:	-
Testing Period:	08/04/2016 – 08/10/2016	Tested Age Grade:	-

OVERALL RESULT: **PASS**

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

ANSECO GROUP (HK) LIMITED

Vincent Chow Wai Kit
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, 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 Homopolymers
PASS	Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation (SOR/2010-273), Total Lead in Accessible Substrates

Remark:
CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings and Canadian Surface Coating Materials Regulations (SOR/2005-109), Total Lead and Mercury in Paints and Surface Coatings were not conducted as no paint and similar surface coating found on received sample.

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.	1+2	3+4	9	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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.		5	6	7	8	
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.		9	---	---	---	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	---	---	---	**ND**
Bisphenol S (BPS)	80-09-1	ND	---	---	---	**ND**
Conclusion		PASS	---	---	---	

Note:
ppb (Parts per billion) = µg/kg (Micrograms per kilogram)
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.			9		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	120 minutes	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 Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			5		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.902	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	165.5	**NA**	**150 – 180**
n-Hexane extractive (% w/w)	Reflux	2 hours	1.7	**0.1**	**6.4**
Xylene extractive (% w/w)	25°C	1 hour	2.1	**0.5**	**9.8**
Conclusion			PASS		

Specimen No.			6		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.905	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	166.2	**NA**	**150 – 180**
n-Hexane extractive (% w/w)	Reflux	2 hours	1.7	**0.1**	**6.4**
Xylene extractive (% w/w)	25°C	1 hour	1.9	**0.5**	**9.8**
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) 1.1.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			7		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.907	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	166.1	**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	2.0	**0.5**	**9.8**
Conclusion			PASS		

Specimen No.			8		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Density (g/cc)	NA	NA	0.908	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	166.1	**NA**	**150 – 180**
n-Hexane extractive (% w/w)	Reflux	2 hours	1.6	**0.1**	**6.4**
Xylene extractive (% w/w)	25°C	1 hour	2.2	**0.5**	**9.8**
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) 1.1.

DETAILED RESULTS:

Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation (SOR/2010-273), 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.	1+2	3+4	9	---	---	**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	White plastic	Outer wall/ inner wall (white style)
2	Red plastic	Outer wall/ inner wall/ lid (red style)
3	Blue plastic	Outer wall/ inner wall (blue – parts style); lid (white style)
4	Black plastic	Outer wall/ inner wall/ lid (black style)
5	White plastic (PP-homo)	Inner wall (white style)
6	Red plastic (PP-homo)	Inner wall/ lid (red style)
7	Blue plastic (PP-homo)	Inner wall (blue – parts style); lid (white style)
8	Black plastic (PP-homo)	Inner wall/ lid (black style)
9	Translucent soft plastic (Silicone)	Gasket (all styles)

SAMPLE PHOTO:

-End Report-