ANSECO GROUP
Your Partner in Product Safety

AT-1500

TEST REPORT

Company:	Hit Promotional Products	Test Report #	14H-04123
Recipient:	Doug Donnell	Date of Issue:	December 30, 2014
Recipient Email:	doug@hitpromo.net	Pages:	Page 1 of 10
cc to Email:	nbarahona@hitpromo.net	Date Received:	November 26, 2014

SAMPLE INFORMATION:

Description:	Plastic Mug		
Assortment:	5 colors	Purchase Order Number:	124248
SKU No.:	5937	Agent:	Sino-Sing
Factory No.:	168959	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 pcs per style + 1 lot Parts	Recommended Age Grade:	-
Testing Period:	12/19/2014 – 12/30/2014	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 Copolymers
PASS	FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

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+9	10+11	12+13	**Limit**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Total (ppm)**
Total Pb	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	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.	6	7	8	9	10	
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.	11	12	13	---	---	
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A	ND	ND	ND	---	---	**ND**
Conclusion	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.			6		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	2 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 Copolymers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1520]

Specimen No.			7		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.902	**NA**	**0.85–1.00**
n-Hexane extractive (% w/w)	50 °C	2 hours	0.5	**0.4**	**5.5**
Xylene extractive (% w/w)	25 °C	1 hour	2.0	**1**	**30**
Conclusion			PASS		

Specimen No.			8		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.907	**NA**	**0.85–1.00**
n-Hexane extractive (% w/w)	50 °C	2 hours	0.5	**0.4**	**5.5**
Xylene extractive (% w/w)	25 °C	1 hour	4.4	**1**	**30**
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) 3.1a.

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1520]

Specimen No.			9		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.908	**NA**	**0.85–1.00**
n-Hexane extractive (% w/w)	50 °C	2 hours	0.8	**0.4**	**5.5**
Xylene extractive (% w/w)	25 °C	1 hour	2.3	**1**	**30**
Conclusion			PASS		

Specimen No.			10		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.908	**NA**	**0.85–1.00**
n-Hexane extractive (% w/w)	50 °C	2 hours	0.7	**0.4**	**5.5**
Xylene extractive (% w/w)	25 °C	1 hour	1.7	**1**	**30**
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) 3.1a.

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1520]

Specimen No.			11		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.905	**NA**	**0.85–1.00**
n-Hexane extractive (% w/w)	50 °C	2 hours	0.9	**0.4**	**5.5**
Xylene extractive (% w/w)	25 °C	1 hour	2.2	**1**	**30**
Conclusion			PASS		

Specimen No.			12		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.908	**NA**	**0.85–1.00**
n-Hexane extractive (% w/w)	50 °C	2 hours	0.8	**0.4**	**5.5**
Xylene extractive (% w/w)	25 °C	1 hour	3.0	**1**	**30**
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) 3.1a.

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DETAILED RESULTS:

FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1630]

Specimen No.			13		
Test Item	Test Condition		Result	**RL**	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	$250^{O}F$	2 hours	ND	**0.1**	**0.5**
n-Heptane extractive (mg/in^2)	$150^{O}F$	2 hours	ND	**0.1**	**0.5**
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 177.1630 (f).

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Red soft plastic	Ring of top lid (red style)
2	Orange soft plastic	Ring of top lid (orange style)
3	Blue soft plastic	Ring of top lid (blue style)
4	Green soft plastic	Ring of top lid (green style)
5	Purple soft plastic	Ring of top lid (purple style)
6	Translucent soft plastic (Silicone)	Gaskets (all styles)
7	Grey plastic (PP-co)	Top lid (all styles)
8	Red plastic (PP-co)	Lid (red style)
9	Orange plastic (PP-co)	Lid (orange style)
10	Blue plastic (PP-co)	Lid (blue style)
11	Green plastic (PP-co)	Lid (green style)
12	Purple plastic (PP-co)	Lid (purple style)
13	Translucent plastic (Tritan)	Body (all styles)

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SAMPLE PHOTO:

-End Report-