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AT-1500

TEST REPORT

Company:	Hit Promotional Products	Test Report #	13H-02801
Recipient:	Doug Donnell	Date of Issue:	October 09, 2013
Recipient Email:	doug@hitpromo.net	Pages:	Page 1 of 14
cc to Email:	mbrunelli@hitpromo.net	Date Received:	September 14, 2013

SAMPLE INFORMATION:

Description:	16 oz Double Wall Gripper Bottle		
Assortment:	BLU, DKBBLK, LIM, ORN, PNK, PUR, REDBLK	Purchase Order Number:	98661
SKU No.:	5844	Agent:	Sino-Sing
Factory No.:	168854	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 sets + 1 lot parts	Recommended Age Grade:	-
Testing Period:	09/26/2013 – 10/09/2013	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	Total Bisphenol A Content
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymer

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-E1002-08.2 (Non-Metal)]

Specimen No.	1	2	3	4	5	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Pb	LT 10	LT 10	LT 10	LT 10	LT 10	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	10	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Pb	LT 10	LT 10	LT 10	LT 10	LT 10	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	13	14	15	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Pb	LT 10	LT 10	LT 10	LT 10	LT 10	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16	17	18	19	20	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Pb	LT 10	LT 10	LT 10	LT 10	LT 10	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
Pb = Lead
mg/kg = Milligram per kilogram
LT = Less Than

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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-E1002-08.2 (Non-Metal)]

Specimen No.	21	22	23	24	25	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Pb	LT 10	LT 10	LT 10	LT 10	LT 10	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	26	27	---	---	---	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Pb	LT 10	LT 10	---	---	---	**100**
Conclusion	PASS	PASS	---	---	---	

Note:
Pb = Lead
mg/kg = Milligram per kilogram
LT = Less Than

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DETAILED RESULTS:

Total Bisphenol A Content

Analysis performed by High Performance Liquid Chromatography with solvents extraction to determine compliance with the above specification. [Referenced Test Method: ANSECO Method#]

Specimen No.	1	2	3	4	5	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Bisphenol A	ND	ND	ND	ND	ND	**ND**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	10	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Bisphenol A	ND	ND	ND	ND	ND	**ND**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	13	14	15	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Bisphenol A	ND	ND	ND	ND	ND	**ND**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16	17	18	19	20	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Bisphenol A	ND	ND	ND	ND	ND	**ND**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
mg/kg = Milligram per kilogram
LT = Less Than
ND = Not Detected (Detection limit = 1mg/kg)

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DETAILED RESULTS:

Total Bisphenol A Content

Analysis performed by High Performance Liquid Chromatography with solvents extraction to determine compliance with the above specification. [Referenced Test Method: ANSECO Method#]

Specimen No.	21	22	23	24	25	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Bisphenol A	ND	ND	ND	ND	ND	**ND**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	26	27	---	---	---	**Limit**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Total (mg/kg)**
Total Bisphenol A	ND	ND	---	---	---	**ND**
Conclusion	PASS	PASS	---	---	---	

Note:
mg/kg = Milligram per kilogram
LT = Less Than
ND = Not Detected (Detection limit = 1mg/kg)

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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.			8	9	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.906	0.902	**0.85–1.00**
n-Hexane extractive (% w/w)	50 °C	2 hours	LT 0.4	LT 0.4	**5.5**
Xylene extractive (% w/w)	25 °C	2 hours	2.2	1.7	**30**
Conclusion			PASS	PASS	

Specimen No.			10	11	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.905	0.906	**0.85–1.00**
n-Hexane extractive (% w/w)	50 °C	2 hours	0.4	0.4	**5.5**
Xylene extractive (% w/w)	25 °C	2 hours	1.7	2.1	**30**
Conclusion			PASS	PASS	

Note:
% w/w = Percentage by weight
g/cc = Gram per cubic centimeter
°C = Degree Celsius
LT = Less Than
NA = Not applicable

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.			12	13	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Density (g/cc)	NA	NA	0.905	0.905	**0.85–1.00**
n-Hexane extractive (% w/w)	50 °C	2 hours	LT 0.4	LT 0.4	**5.5**
Xylene extractive (% w/w)	25 °C	2 hours	2.1	1.4	**30**
Conclusion			PASS	PASS	

Note:
% w/w = Percentage by weight
g/cc = Gram per cubic centimeter
°C = Degree Celsius
LT = Less Than
NA = Not applicable

Remark:
The specification is quoted from 21 CFR 177.1520 (c) 3.1a.

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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.			14	15	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	2 hours	20	19	**50**
Conclusion			PASS	PASS	

Specimen No.			16	17	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	2 hours	21	14	**50**
Conclusion			PASS	PASS	

Specimen No.			18	19	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	2 hours	18	19	**50**
Conclusion			PASS	PASS	

Note:
ppm = part per million
°F = Degree Fahrenheit
LT = Less Than

Remark:
The specification is quoted from 21 CFR 177.1210 Table 2 Section 2.

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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.			20	---	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	2 hours	16	---	**50**
Conclusion			PASS	---	

Note:
ppm = part per million
°F = Degree Fahrenheit
LT = Less Than

Remark:
The specification is quoted from 21 CFR 177.1210 Table 2 Section 2.

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DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymer

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 180.22# and 181.32#]

Acrylonitrile Monomers:

Specimen No.			1	2	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
n-Heptane extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
8% Ethanol extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
Conclusion			PASS	PASS	

Specimen No.			3	4	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
n-Heptane extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
8% Ethanol extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
Conclusion			PASS	PASS	

Note:
mg/in^2 = Milligram per square inch
°F = Degree Fahrenheit
LT = Less Than

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 Copolymer

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 180.22# and 181.32#]

Acrylonitrile Monomers:

Specimen No.			5	6	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
n-Heptane extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
8% Ethanol extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	4 hours	LT 0.002	LT 0.002	**0.003**
Conclusion			PASS	PASS	

Specimen No.			7	---	
Test Item	Test Condition		Result	Result	**Specification**
	Temperature	Duration			
Distilled water extractive (mg/in^2)	120°F	4 hours	LT 0.002	---	**0.003**
n-Heptane extractive (mg/in^2)	120°F	4 hours	LT 0.002	---	**0.003**
8% Ethanol extractive (mg/in^2)	120°F	4 hours	LT 0.002	---	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	4 hours	LT 0.002	---	**0.003**
Conclusion			PASS	---	

Note:
mg/in^2 = Milligram per square inch
°F = Degree Fahrenheit
LT = Less Than

Remark:
The specification is quoted from 21 CFR 181.32 (b) (3).

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Transparent blue plastic (AS)	Bottle (BLU style)
2	Transparent dark blue plastic (AS)	Bottle (DKBBLK style)
3	Transparent lime plastic (AS)	Bottle (LIM style)
4	Transparent orange plastic (AS)	Bottle (ORN style)
5	Transparent pink plastic (AS)	Bottle (PNK style)
6	Transparent purple plastic (AS)	Bottle (PUR style)
7	Transparent red plastic (AS)	Bottle (REDBLK style)
8	Blue plastic (PP-co)	Lid/ lid cover (BLU style)
9	Black plastic (PP-co)	Lid/ lid cover (DKBBLK/ REDBLK styles)
10	Lime plastic (PP-co)	Lid/ lid cover (LIM style)
11	Orange plastic (PP-co)	Lid/ lid cover (ORN style)
12	Pink plastic (PP-co)	Lid/ lid cover (PNK style)
13	Purple plastic (PP-co)	Lid/ lid cover (PUR style)
14	Dull blue soft plastic	Gasket (BLU style)
15	Black soft plastic	Gasket (DKBBLK/ REDBLK styles)
16	Lime soft plastic	Gasket (LIM style)
17	Orange soft plastic	Gasket (ORN style)
18	Pink soft plastic	Gasket (PNK style)
19	Purple soft plastic	Gasket (PUR style)
20	Translucent white soft plastic	Gasket ring (all styles)
21	Dull black soft plastic	Bottom (all styles)
22	Matt blue plastic	Outer bottle (BLU style)
23	Matt black plastic	Outer bottle (DKBBLK/ REDBLK styles)
24	Matt lime plastic	Outer bottle (LIM style)

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
25	Matt orange plastic	Outer bottle (ORN style)
26	Matt pink plastic	Outer bottle (PNK style)
27	Matt purple plastic	Outer bottle (PUR style)

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SAMPLE PHOTO:

-End Report-