





# **TEST REPORT**

Test Report # 16H-05416 Date of Report Issue: August 30, 2016

Date of Sample Received: August 23, 2016 Pages: Page 1 of 17

**CLIENT INFORMATION:** 

Company: Hit Promotional Products

Recipient: Nathan Cotter

Recipient Email: ncotter@hitpromo.net

**SAMPLE INFORMATION:** 

Description: 18 oz. Trinity Tumbler

Assortment: 5 colors Purchase Order Number: 174926

SKU No.: 5879 Agent: Brand New Days

Factory No.: 106712 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: 08/23/2016 – 08/30/2016 Tested Age Grade: -

**OVERALL RESULT:** 

P PASS

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

ANSECO GROUP (HK) LIMITED

Vincent Chow Wai Kit

Manager, Chemical Laboratory

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### **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	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene 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

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### **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+5+6	7+8+9	10+11+12	13+14	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.	15+16	17				Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND				100
Conclusion	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.

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#### **DETAILED RESULTS:**

Client's Requirement: Bisphenol A and Bisphenol S

Test Method: AI|ANSECO Method#

Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	
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
Conclusi	on	PASS	PASS	PASS	PASS	

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
Conclusi	on	PASS	PASS	PASS	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)

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#### **DETAILED RESULTS:**

Client's Requirement: Bisphenol A and Bisphenol S

Test Method: AI|ANSECO Method#

Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		9	10	12	13	
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
Conclusi	on	PASS	PASS	PASS	PASS	

Specimen	No.	14	15	16	17	
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
Conclusi	on	PASS	PASS	PASS	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)

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### **DETAILED RESULTS:**

### FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No	17				
Test Item	Test Condition		Result	RL	Limit
Test item	Temp.	Duration	Result	NL	LIIIIL
Distilled water extractive (ppm)	Distilled water extractive (ppm) 120°F 24 hours			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.

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#### **DETAILED RESULTS:**

# FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen N	12				
Test Item	Test Co	ndition	Result	RL	Limit
restitem	Temp.	Duration	Result	KL	Limit
Density (g/cc)	NA	NA	0.900	NA	0.880 - 0.913
Melting point (°C)	NA	NA	164.5	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.8	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.5	0.5	9.8
Conclusion	1		PASS		

Specimen No	13				
To del Horos	Test Co	Test Condition		DI	Limit
Test Item	Temp.	Duration	Result	RL	Limit
Density (g/cc)	NA	NA	0.900	NA	0.880 - 0.913
Melting point (°C)	NA	NA	164.6	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.7	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.5	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.

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#### **DETAILED RESULTS:**

# FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen	14				
Tost Itam	Test Co	Test Condition		DI	Limit
Test Item	Temp.	Duration	Result	RL	Limit
Density (g/cc)	NA	NA	0.900	NA	0.880 - 0.913
Melting point (°C)	NA	NA	165.3	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.8	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.8	0.5	9.8
Conclusi	PASS				

Specimen No	15				
To del Horos	Test Co	Test Condition		RL	Limait
Test Item	Temp.	Duration	Result	KL	Limit
Density (g/cc)	NA	NA	0.898	NA	0.880 - 0.913
Melting point (°C)	NA	NA	165.3	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.6	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.1	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.

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#### **DETAILED RESULTS:**

# FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			16		
Test Item	Test Condition		Result	RL	Limit
Test item	Temp.	Duration	Result	KL	Limit
Density (g/cc)	NA NA	0.896	NA	0.880 -	
Defisity (g/cc)		IVA	0.890	IVA	0.913
Melting point (°C)	NA	NA	165.1	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.4	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	1.4	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.

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#### **DETAILED RESULTS:**

# FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32

Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

#### Acrylonitrile Monomers:

Specimen No.			6		
Test Simulant	Test Co	ondition	Result	RL	Limit
rest simulant	Temp.	Duration	Result	KL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	120°F 2 hours		0.001	0.003
Conclusion	PASS				

Specimen No.			7		
Test Simulant	Test Co	ndition	Docul+	DI	Limit
rest simulant	Temp.	Duration	Result	RL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	120°F 2 hours		0.001	0.003
Conclusion	PASS				

Specimen No.			8		
Test Simulant	Test Co	ndition	Pocul+	RL	Limit
rest simulant	Temp.	Duration	Result	KL	Lillill
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
Conclusion			PASS		

# Note:

Temp. = Temperature

°F = Degree Fahrenheit

mg/in<sup>2</sup> = 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/Butadiene/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 Co	ndition	Pocul+	RL	Limit
rest simulant	Temp.	Duration	Result	KL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
Conclusion	PASS				

Specimen No.			10		
Test Simulant	Test Co	ndition	Docul+	DI	Limit
rest simulant	Temp.	Duration	Result	RL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	120°F 2 hours ND		0.001	0.003
Conclusion	PASS				

Note:

Temp. = Temperature

°F = Degree Fahrenheit

mg/in<sup>2</sup> = Milligrams per square inch

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

Test Method: FDA 21 CFR 180.22 and 181.32

Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

#### Acrylonitrile Monomers:

Specimen No.			1		
Tost Simulant	Test Co	ondition	Docul+	RL	Limit
Test Simulant	Temp.	Duration	Result	KL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	120°F 2 hours		0.001	0.003
Conclusion	PASS				

Specimen No.			2		
Test Simulant	Test Co	ndition	Docul+	DI	Limit
Test Simulant	Temp.	Duration	Result	RL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	120°F 2 hours		0.001	0.003
Conclusion			PASS		

Note:

Temp. = Temperature

°F = Degree Fahrenheit

mg/in<sup>2</sup> = 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

Test Method: FDA 21 CFR 180.22 and 181.32

Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

#### Acrylonitrile Monomers:

Specimen No.			3		
Test Simulant	Test Co	ondition	Result	RL	Limit
Test Simulant	Temp.	Duration	Result	KL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	120°F 2 hours		0.001	0.003
Conclusion	PASS				

Specimen No.			4		
Test Simulant	Test Co	ndition	Docul+	DI	Limit
Test Simulant	Temp.	Duration	Result	RL	Limit
Distilled water extractive (mg/in²)	ND	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	ND	ND 2 hours		0.001	0.003
Conclusion			PASS		

Note:

Temp. = Temperature

°F = Degree Fahrenheit

mg/in<sup>2</sup> = 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

Test Method: FDA 21 CFR 180.22 and 181.32

Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

# Acrylonitrile Monomers:

Specimen No.			5		
Test Simulant	Test Co	ondition	Result	RL	Limit
rest simulant	Temp.	Duration	Result	KL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	120°F 2 hours		0.001	0.003
Conclusion	PASS				

#### Note:

Temp. = Temperature

°F = Degree Fahrenheit

mg/in<sup>2</sup> = 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:**

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.	1+2+3	4+5+6	7+8+9	10+11+12	13+14	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.	15+16	17				Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND				90
Conclusion	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.

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The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

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#### **SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location		
1	Transparent red plastic (AS)	Lid/ inner body (red style)		
2	Transparent green plastic (AS)	Lid/ inner body (green style)		
3	Transparent blue plastic (AS)	Lid/ inner body (blue style)		
4	Transparent grey plastic (AS)	Lid/ inner body (smoke style)		
5	Transparent plastic (AS)	Lid/ inner body (clear style)		
6	Translucent red plastic (ABS)	Cover of lid (red style)		
7	Translucent green plastic (ABS)	Cover of lid (green style)		
8	Translucent blue plastic (ABS)	Cover of lid (blue style)		
9	Translucent grey plastic (ABS)	Cover of lid (smoke style)		
10	Translucent plastic (ABS)	Cover of lid (clear style)		
11	Dull transparent plastic	Outer body (all styles)		
12	Translucent dull red plastic (PP-homo)	Straw (red style)		
13	Translucent dull green plastic (PP-homo)	Straw (green style)		
14	Translucent dull blue plastic (PP-homo)	Straw (blue style)		
15	Translucent dull grey plastic (PP-homo)	Straw (smoke style)		
16	Dull translucent plastic (PP-homo)	Straw (clear style)/ ring of straw (all styles)		
17	Translucent soft plastic	Gasket/ seal/ stopper (all styles)		

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#### **SAMPLE PHOTO:**



-End Report-

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