



TEST REPORT

Test Report # 18H-000618 Date of Report Issue: March 22, 2018
 Date of Sample Received: January 23, 2018 Pages: Page 1 of 16

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description:	24oz.Shaker Body	Purchase Order Number:	240436
Assortment:	7 colors	Agent:	The Next Trend Designs
SKU No.:	5675	Country of Origin:	China
Factory No.:	150275	Labeled Age Grade:	-
Country of Distribution:	United States	Recommended Age Grade:	-
Quantity Submitted:	3 pcs per style + 1 lot Parts	Tested Age Grade:	-
Testing Period:	01/29/2018 – 02/14/2018 03/19/2018 – 03/22/2018		

OVERALL RESULT:

PASS

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

ANSECO GROUP (HK) LIMITED

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The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.

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

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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 177.1520, Polyethylene
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
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, 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	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	13	14	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	---	100
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:****Client's Requirement, Bisphenol A and Bisphenol S**

Test Method: In-House Method[#]
Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (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.		5	6	7	8	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (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) = $\mu\text{g}/\text{kg}$ (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: In-House Method[#]
 Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		9	10	11	12	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (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.		13	14	---	---	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	
Bisphenol A (BPA)	80-05-7	ND	ND	---	---	ND
Bisphenol S (BPS)	80-09-1	ND	ND	---	---	ND
Conclusion		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 177.1520, Polyethylene**

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.944	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Specimen No.			2	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.942	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Note:

Temp. = Temperature

°C = Degree Celcius

g/cc = Grams per cubic centimeter

% m/m = Percent by mass

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) 2.1.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polyethylene**

Test Method: FDA 21 CFR 177.1520

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.942	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.958	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Note:

Temp. = Temperature

°C = Degree Celcius

g/cc = Grams per cubic centimeter

% m/m = Percent by mass

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) 2.1.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polyethylene**

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.943	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Specimen No.			6	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.943	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Note:

Temp. = Temperature

°C = Degree Celcius

g/cc = Grams per cubic centimeter

% m/m = Percent by mass

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) 2.1.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polyethylene**

Test Method: FDA 21 CFR 177.1520

Specimen No.			7	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.955	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Note:

Temp. = Temperature

°C = Degree Celcius

g/cc = Grams per cubic centimeter

% m/m = Percent by mass

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) 2.1.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			8	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.899	NA	0.880 – 0.913
Melting point (°C)	NA	NA	153.2	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	2.6	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.8	0.5	9.8
Conclusion			PASS		

Specimen No.			9	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.900	NA	0.880 – 0.913
Melting point (°C)	NA	NA	163.2	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	2.9	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	3.0	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.			10	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.898	NA	0.880 – 0.913
Melting point (°C)	NA	NA	163.1	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	3.0	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	3.5	0.5	9.8
Conclusion			PASS		

Specimen No.			11	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.899	NA	0.880 – 0.913
Melting point (°C)	NA	NA	163.1	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	3.1	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	3.1	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.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			12	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.901	NA	0.880 – 0.913
Melting point (°C)	NA	NA	163.8	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	3.6	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	3.2	0.5	9.8
Conclusion			PASS		

Specimen No.			13	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.899	NA	0.880 – 0.913
Melting point (°C)	NA	NA	162.4	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	3.6	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	4.2	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:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.		14		RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.894	NA	0.880 – 0.913
Melting point (°C)	NA	NA	162.5	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	2.7	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	3.9	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:****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	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	90
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	13	14	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Red plastic (HDPE)	Cap (red style)
2	Orange plastic (HDPE)	Cap (orange style)
3	Green plastic (HDPE)	Cap (green style)
4	Light blue plastic (HDPE)	Cap (light blue style)
5	Black plastic (HDPE)	Cap (black style); lid (all styles)
6	White plastic (HDPE)	Cap (white style)
7	Blue plastic (HDPE)	Cap (dark blue style)
8	Translucent plastic (PP-homo)	Strainer (all styles)
9	Translucent red plastic (PP-homo)	Shaker cup (red style)
10	Translucent orange plastic (PP-homo)	Shaker cup (orange style)
11	Translucent green plastic (PP-homo)	Shaker cup (green style)
12	Translucent light blue plastic (PP-homo)	Shaker cup (light blue style)
13	Translucent black plastic (PP-homo)	Shaker cup (black style)
14	Dull translucent plastic (PP-homo)	Shaker cup (white style)



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SAMPLE PHOTO:



-End Report-

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