QIMA
YOUR EYES IN THE SUPPLY CHAIN

AT-1500

TEST REPORT

Test Report #	19H-008657	Date of Report Issue:	December 9, 2019
Date of Sample Received:	November 25, 2019	Pages:	Page 1 of 14

CLIENT INFORMATION:

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

SAMPLE INFORMATION:

Description:	20oz Double Wall Wheat Himalayan		
Assortment:	5 colors	Purchase Order Number:	345297
SKU No.:	5446	Agent:	Growth-Sonic
Factory No.:	127051	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 pcs per style	Recommended Age Grade:	-
Testing Period:	11/25/2019 – 12/09/2019	Tested Age Grade:	-

OVERALL RESULT: **PASS**

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

QIMA Testing (HK) Limited

Loska Yeung Lok Ka
Assistant 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	California Proposition 65, Total Lead in Substrate Materials
PASS	Client's Requirement, Bisphenol A and Bisphenol S[#ϕ]
PASS	FDA 21 CFR 176.170, Components of Paper and Paper Board in Contact with Aqueous and Fatty Food[#]
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets[#]
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

Remark:
CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings and California Proposition 65, Total Lead 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	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	15	16	---	**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:

California Proposition 65, 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	15	16	---	**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.

Remark:
The specification is quoted from client's requirement.

DETAILED RESULTS:

Client's Requirement, Bisphenol A and Bisphenol S

Test Method: In-House Method[#ϕ]
Analytical Method: Liquid Chromatography with Mass Spectrometry or
Liquid Chromatography with Mass Spectrometry 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**
Conclusion		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**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		9	10	16	---	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	**ND**
Bisphenol S (BPS)	80-09-1	ND	ND	ND	---	**ND**
Conclusion		PASS	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 176.170, Components of Paper and Paper Board in Contact with Aqueous and Fatty Food

Test Method: FDA 21 CFR 176.170#

Specimen No.			1	2		
Test Item	Test Condition		Result (mg/in^2)	Result (mg/in^2)	**RL (mg/in^2)**	**Limit (mg/in^2)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	0.13	**0.10**	**0.5**
		Conclusion	PASS	PASS		

Specimen No.			3	4		
Test Item	Test Condition		Result (mg/in^2)	Result (mg/in^2)	**RL (mg/in^2)**	**Limit (mg/in^2)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	0.13	**0.10**	**0.5**
		Conclusion	PASS	PASS		

Specimen No.			5	6		
Test Item	Test Condition		Result (mg/in^2)	Result (mg/in^2)	**RL (mg/in^2)**	**Limit (mg/in^2)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	ND	**0.10**	**0.5**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°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 176.170 (c).

DETAILED RESULTS:

FDA 21 CFR 176.170, Components of Paper and Paper Board in Contact with Aqueous and Fatty Food

Test Method: FDA 21 CFR 176.170#

Specimen No.			7	8		
Test Item	Test Condition		Result (mg/in^2)	Result (mg/in^2)	**RL (mg/in^2)**	**Limit (mg/in^2)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to $100^{O}F$	ND	0.13	**0.10**	**0.5**
		Conclusion	PASS	PASS		

Specimen No.			9	10		
Test Item	Test Condition		Result (mg/in^2)	Result (mg/in^2)	**RL (mg/in^2)**	**Limit (mg/in^2)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to $100^{O}F$	ND	ND	**0.10**	**0.5**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°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 176.170 (c).

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			16	---		
Test Item	Test Condition		Result (ppm)	Result (ppm)	**RL (ppm)**	**Limit (ppm)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100^{O}F	ND	---	**10**	**50**
		Conclusion	PASS	---		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
ppm (Parts per million) = mg/kg (Milligrams per kilogram foodstuff)
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.			1	2		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Melting point (°C)	NA	NA	168.2	166.6	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	2.0	1.6	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	3.4	3.0	**0.5**	**9.8**
		Conclusion	PASS	PASS		

Specimen No.			3	4		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Melting point (°C)	NA	NA	168.5	167.6	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	1.6	1.7	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.9	2.9	**0.5**	**9.8**
		Conclusion	PASS	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.

By client's request, density is not conducted in FDA 21 CFR 177.1520 PP-homo.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	6		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Melting point (°C)	NA	NA	168.3	168.7	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	1.9	1.8	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.9	1.8	**0.5**	**9.8**
		Conclusion	PASS	PASS		

Specimen No.			7	8		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Melting point (°C)	NA	NA	168.4	167.5	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	1.6	2.0	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.8	3.2	**0.5**	**9.8**
		Conclusion	PASS	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.

By client's request, density is not conducted in FDA 21 CFR 177.1520 PP-homo.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			9	10		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Melting point (°C)	NA	NA	167.7	166.5	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	1.6	1.8	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	3.0	2.6	**0.5**	**9.8**
		Conclusion	PASS	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.

By client's request, density is not conducted in FDA 21 CFR 177.1520 PP-homo.

DETAILED RESULTS:

Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

Test Method: ASTM F963-17 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	3+4	5+6	7+8	9+10	
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Limit (mg/kg)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11+12	13+14	15	16	---	
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Limit (mg/kg)**
Total Lead (Pb)	ND	ND	ND	ND	---	**90**
Conclusion	PASS	PASS	PASS	PASS	---	

Note:
mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 20 mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Orange plastic (PP-homo + wheat straw)	Lid/ inner wall (orange style)
2	Dull orange plastic (PP-homo + wheat straw)	Slider (orange style)
3	Green plastic (PP-homo + wheat straw)	Lid/ inner wall (lime style)
4	Dull green plastic (PP-homo + wheat straw)	Slider (lime style)
5	Blue plastic (PP-homo + wheat straw)	Lid/ inner wall (blue style)
6	Dull blue plastic (PP-homo + wheat straw)	Slider (blue style)
7	Ivory plastic (PP-homo + wheat straw)	Lid/ inner wall (ivory style)
8	Dull ivory plastic (PP-homo + wheat straw)	Slider (ivory style)
9	Grey plastic (PP-homo + wheat straw)	Lid/ inner wall (grey style)
10	Dull grey plastic (PP-homo + wheat straw)	Slider (grey style)
11	Matt orange plastic	Outer wall (orange style)
12	Matt green plastic	Outer wall (lime style)
13	Matt blue plastic	Outer wall (blue style)
14	Matt ivory plastic	Outer wall (ivory style)
15	Matt grey plastic	Outer wall (grey style)
16	Translucent soft plastic (Silicone)	Gasket (all styles)

SAMPLE PHOTO:

-End Report-