QIMA
YOUR EYES IN THE SUPPLY CHAIN

AT-1500

TEST REPORT

Test Report #	19H-007562	Date of Report Issue:	October 22, 2019
Date of Sample Received:	October 11, 2019	Pages:	Page 1 of 13

CLIENT INFORMATION:

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

SAMPLE INFORMATION:

Description:	WHEAT DOUBLE WALL TUMBLER W/ STRAW		
Assortment:	5 colors	Purchase Order Number:	325211
SKU No.:	5541	Agent:	Brand New Days
Factory No.:	106788	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	6 pcs per style + 1 lot Parts	Recommended Age Grade:	-
Testing Period:	10/14/2019 – 10/21/2019	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 177.1210, Closures with Sealing Gaskets[#]
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

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.	6+7	8+9	10	11	---	**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.	6+7	8+9	10	11	---	**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	11	---	---	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (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 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			11	---		
Test Item	Test Condition		Result (ppm)	Result (ppm)	**RL (ppm)**	**Limit (ppm)**
	Temp.	Duration				
Distilled water extractive	120°F	24 hours	18	---	**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 Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	2		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
n-Hexane extractive (%)	50°C	2 hours	3.9	4.1	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	7.9	6.8	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			3	4		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
n-Hexane extractive (%)	50°C	2 hours	4.2	4.5	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	7.4	7.5	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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.

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

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	---		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
n-Hexane extractive (%)	50°C	2 hours	4.1	---	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	7.7	---	**1.0**	**30**
		Conclusion	PASS	---		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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.

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

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.	6+7	8+9	10	11	---	
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 (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw (orange style)
2	Green plastic (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw (lime style)
3	Blue plastic (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw (blue style)
4	Grey plastic (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw (gray style)
5	Beige plastic (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw (white style)
6	Orange plastic (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw/ outer wall (orange style)
7	Green plastic (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw/ outer wall (lime style)
8	Blue plastic (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw/ outer wall (blue style)
9	Grey plastic (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw/ outer wall (gray style)
10	Beige plastic (35% Wheat Fibre, 65% Polypropylene)	Inner wall/ lid/ straw/ outer wall (white style)
11	Translucent soft plastic (Silicone)	Gasket (all styles)

SAMPLE PHOTO:

SAMPLE PHOTO:

SAMPLE PHOTO:

-End Report-