

TEST REPORT

Test Report #	19H-005191	Date of Report Issue:	July 18, 2019
Date of Sample Received:	July 9, 2019	Pages:	Page 1 of 12

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description:	11OZ WHEAT/BAMBOO MUG		
Assortment:	6 colors	Purchase Order Number:	315865
SKU No.:	5369	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	Recommended Age Grade:	-
Testing Period:	07/09/2019 – 07/18/2019	Tested Age Grade:	-

OVERALL RESULT:



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

QIMA Testing (HK) Limited



Loska Yeung Lok Ka
 Assistant Manager, Chemical Laboratory

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Ricky Cheung Chin Yeung
 Manager, Physical Laboratory

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YOUR EYES IN THE SUPPLY CHAIN

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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	California Proposition 65, Total Lead in Substrate Materials
PASS	Client's Requirement, Bisphenol A and Bisphenol S [#]
PASS	FDA 21 CFR 176.170, Components of Paper and Paper Board in Contact with Aqueous and Fatty Food [#]
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	Client Performance Requirement – Dishwasher Test (10 Cycles) [#]

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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	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.	6	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
Conclusion	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:**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	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.	6	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
Conclusion	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.

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DETAILED RESULTS:**Client's Requirement, Bisphenol A and Bisphenol S**

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

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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	RL (mg/in ²)	Limit (mg/in ²)
Test Item	Test Condition		Result (mg/in ²)	Result (mg/in ²)		
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	ND	0.1	0.5
Conclusion			PASS	PASS		

Specimen No.			3	4	RL (mg/in ²)	Limit (mg/in ²)
Test Item	Test Condition		Result (mg/in ²)	Result (mg/in ²)		
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	0.10	0.1	0.5
Conclusion			PASS	PASS		

Specimen No.			5	6	RL (mg/in ²)	Limit (mg/in ²)
Test Item	Test Condition		Result (mg/in ²)	Result (mg/in ²)		
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	0.11	0.1	0.5
Conclusion			PASS	PASS		

Note:

Temp. = Temperature

°F = Degree Fahrenheit

mg/in² = 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).

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

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	2	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.942	0.930	NA	0.85-1.00
n-Hexane extractive (%)	50°C	2 hours	4.0	3.8	0.4	5.5
Xylene extractive (%)	Reflux	2 hours or until total dissolved	8.5	7.8	1.0	30
Conclusion			PASS	PASS		

Specimen No.			3	4	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.968	0.952	NA	0.85-1.00
n-Hexane extractive (%)	50°C	2 hours	2.9	3.2	0.4	5.5
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.4	8.1	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.

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

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	6	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.947	0.946	NA	0.85-1.00
n-Hexane extractive (%)	50°C	2 hours	3.4	3.7	0.4	5.5
Xylene extractive (%)	Reflux	2 hours or until total dissolved	7.2	6.9	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.

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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	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	ND	ND	90
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	90
Conclusion	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.

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DETAILED RESULTS:**Client Performance Requirement – Dishwasher Test (10 Cycles)#**

Test	Observation	Conclusion
Dishwasher Test – Top rack, 10 cycles	No crack, crazing, chipping or color fading was observed after testing	PASS

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Multicolor plastic (Wheat Fibre + PP-co)	Mug (orange style)
2	Multicolor plastic (Wheat Fibre + PP-co)	Mug (lime style)
3	Multicolor plastic (Wheat Fibre + PP-co)	Mug (royal style)
4	Multicolor plastic (Wheat Fibre + PP-co)	Mug (navy style)
5	Multicolor plastic (Wheat Fibre + PP-co)	Mug (grey style)
6	Multicolor plastic (Wheat Fibre + PP-co)	Mug (ivory style)

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SAMPLE PHOTO:



-End Report-