

## TEST REPORT

Test Report #	20H-004110	Date of Report Issue:	July 31, 2020
Date of Sample Received:	June 19, 2020	Pages:	Page 1 of 19

### CLIENT INFORMATION:

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



### SAMPLE INFORMATION:

Description:	18oz. & 20oz. Glass Bottler with Bamboo Lid		
Assortment:	5 colors	Purchase Order Number:	361783 & 361777
SKU No.:	50001 & 50000	Agent:	1 - GrowthSonic
Factory No.:	127042	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 pcs per style + 1 lot (Paints, Parts)	Recommended Age Grade:	-
Testing Period:	06/23/2020 – 07/17/2020 07/23/2020 – 07/31/2020	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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**TEST RESULTS SUMMARY:**

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	CPSIA Section 101, Total Lead in Glass and Ceramic Materials <sup>#φ</sup>
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Lead in Glass and Ceramic Materials <sup>#φ</sup>
PASS	Client's Requirement, Bisphenol A and Bisphenol S <sup>#φ</sup>
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets <sup>#</sup>
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	California Proposition 65 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment over 2,000 Pieces) – Interior
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content <sup>#φ</sup>

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**DETAILED RESULTS:**

**CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E-1003-09.1  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	---	---	---	90
<b>Conclusion</b>	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 Paints and Surface Coatings**

Test Method: CPSC-CH-E-1003-09.1  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	---	---	---	90
<b>Conclusion</b>	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:*

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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.	3	4	5+6+7	8+9	12	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	13	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	<b>100</b>
<b>Conclusion</b>	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:**

**CPSIA Section 101, Total Lead in Glass and Ceramic Materials**

Test Method: In-House Method<sup>#φ</sup>  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	11	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	<b>100</b>
<b>Conclusion</b>	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.	3	4	5+6+7	8+9	12	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	13	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
<b>Conclusion</b>	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:**

**California Proposition 65, Total Lead in Glass and Ceramic Materials**

Test Method: In-House Method<sup>#φ</sup>  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	11	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
<b>Conclusion</b>	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<sup>#φ</sup>  
 Analytical Method: Liquid Chromatography with Mass Spectrometry or  
 Liquid Chromatography with Mass Spectrometry Mass Spectrometry

Specimen No.		3	4	12	13	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
<b>Conclusion</b>		PASS	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)

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**DETAILED RESULTS:**

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

Test Method: FDA 21 CFR 177.1210#

Specimen No.			4	13	RL (ppm)	Limit (ppm)
Test Item	Test Condition		Result (ppm)	Result (ppm)		
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	ND	10	50
<b>Conclusion</b>			PASS	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.

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**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			3	12	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.907	0.902	NA	<b>0.880 – 0.913</b>
Melting point (°C)	NA	NA	169.5	169.4	NA	<b>150 – 180</b>
n-Hexane extractive (%)	Reflux	2 hours	2.0	2.0	<b>0.1</b>	<b>6.4</b>
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.7	2.5	<b>0.5</b>	<b>9.8</b>
<b>Conclusion</b>			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.

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**DETAILED RESULTS:**

**California Proposition 65 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment over 2,000 Pieces) – Interior**

Test Method: ASTM C738-94(Reapproved 2016)  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	10A	10B	10C	10D	10E	10F	10G
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)
Volume of acid used (mL)	610	610	610	610	610	610	610
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
<b>Conclusion</b>							

Specimen No.	10H	10I	10J	10K	10L	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	610	610	610	610	610		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	<b>0.049</b>
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	<b>0.100</b>
<b>Conclusion</b>						PASS	

**Note:**  
 mL = Millilitres  
 mg/L (Milligrams per litre) = ppm (Parts per million)  
 NA = Not applicable  
 LT = Less than  
 ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

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	Category	Leachable Cd (mg/L)	Leachable Pb (mg/L)
	Cups and Mugs (Average of 12)	<b>0.049</b>	<b>0.100</b>
	Flatware (Average of 12)	<b>0.189</b>	<b>0.226</b>
	Large Hollowware (Average of 12)	<b>0.049</b>	<b>0.100</b>
X	Small Hollowware (Average of 12)	<b>0.049</b>	<b>0.100</b>
	Pitchers (Average of 12)	<b>0.049</b>	<b>0.100</b>

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**DETAILED RESULTS:**

**California Proposition 65 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment over 2,000 Pieces) – Interior**

Test Method: ASTM C738-94(Reapproved 2016)  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	14A	14B	14C	14D	14E	14F	14G
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)
Volume of acid used (mL)	530	530	530	530	530	530	530
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
<b>Conclusion</b>							

Specimen No.	14H	14I	14J	14K	14L	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	530	530	530	530	530		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	<b>0.049</b>
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	<b>0.100</b>
<b>Conclusion</b>						PASS	

*Note:*  
 mL = Millilitres  
 mg/L (Milligrams per litre) = ppm (Parts per million)  
 NA = Not applicable  
 LT = Less than  
 ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

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Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
	Cups and Mugs (Average of 12)	<b>0.049</b>	<b>0.100</b>
	Flatware (Average of 12)	<b>0.189</b>	<b>0.226</b>
	Large Hollowware (Average of 12)	<b>0.049</b>	<b>0.100</b>
X	Small Hollowware (Average of 12)	<b>0.049</b>	<b>0.100</b>
	Pitchers (Average of 12)	<b>0.049</b>	<b>0.100</b>

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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, In-House Method<sup>#φ</sup>  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3	4	11	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
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	12	13	---	---	---	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	---	---	---	90
<b>Conclusion</b>	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 ppm)  
 Composite results are based on specimen of least mass resulting in highest potential concentration.



**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Transparent lacquer	On outer lid (all styles)
2	Black coating	On bottom of bottle (all styles)
3	Beige plastic (PP-homo)	Inner lid (all 18oz styles)
4	Translucent soft plastic (Silicone)	Gasket (all 18oz styles)
5	Red soft plastic	Handle/ sleeve (all red styles)
6	Blue soft plastic	Handle/ sleeve (all blue styles)
7	Black soft plastic	Handle/ sleeve (all black styles)
8	Grey soft plastic	Handle/ sleeve (all grey styles)
9	White soft plastic	Handle/ sleeve (all white styles)
10	Clear glass	Interior of bottle (all 18oz styles)
11	Clear glass	Body of bottle (all styles)
12	White plastic (PP-homo)	Inner lid (all 20oz styles)
13	Translucent soft plastic (Silicone)	Gasket (all 20oz styles)
14	Clear glass	Interior of bottle (all 20oz styles)

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Test(s) marked with 'φ' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.

If it is not further specified in the report, the decision rule for stating conformity is based on the [QIMA decision rule](#).

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-End Report-

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