

## TEST REPORT

Test Report # 19H-007131 Date of Report Issue: September 30, 2019  
Date of Sample Received: September 20, 2019 Pages: Page 1 of 8

### CLIENT INFORMATION:

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



### SAMPLE INFORMATION:

Description:	5 LITER METAL BUCKET	Purchase Order Number:	332611
Assortment:	1 color	Agent:	Growth-Sonic
SKU No.:	3898	Country of Origin:	China
Factory No.:	127840	Labeled Age Grade:	-
Country of Distribution:	United States	Recommended Age Grade:	-
Quantity Submitted:	5 pcs	Tested Age Grade:	-
Testing Period:	09/20/2019 – 09/30/2019		

### 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, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	Food and Drug Administration Compliance Program Guidance Manual 7304.019 Chapter 04 Toxic Elements in Food and Foodware - Leachable Lead and Cadmium <sup>#</sup>
PASS	ASTM B117-16 Resistance to Corrosion <sup>#</sup>

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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	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	---	100
<b>Conclusion</b>	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.

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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	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	---	100
<b>Conclusion</b>	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.

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**DETAILED RESULTS:**

**Food and Drug Administration Compliance Program Guidance Manual 7304.019 Chapter 04 Toxic Elements in Food and Foodware - Leachable Lead and Cadmium**

Test Method: ASTM C738-94 (Reapproved 2016)<sup>#</sup>, In-House Method<sup>#</sup>  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	6A	---	---	---	---	---	Average (ppm)	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)		
Volume of acid used (mL)	5000	---	---	---	---	---		
Leachable Cadmium (Cd)	ND	---	---	---	---	---	NA	<b>0.25</b>
Leachable Lead (Pb)	ND	---	---	---	---	---	NA	<b>1.0</b>
<b>Conclusion</b>	PASS	---	---	---	---	---		

*Note:*

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

*Remark:*

The specification is referred from FDA CPG 545.400 & CPG 545.450.

Category	Leachable Cd (mg/L)	Leachable Pb (mg/L)
Cups and Mugs	<b>0.5</b>	<b>0.5</b>
Flatware	<b>0.5</b>	<b>3.0</b>
X Large Hollowware	<b>0.25</b>	<b>1.0</b>
Small Hollowware	<b>0.5</b>	<b>2.0</b>
Pitchers	<b>0.25</b>	<b>0.5</b>

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**DETAILED RESULTS:**

**ASTM B117-16 Resistance to Corrosion**

Test Method: ASTM B117-16#  
 Analytical Method: Salt Spray (Fog) Apparatus  
 Evaluation: In-house rating

Specimen no.:	5	Rating	Conclusion
Condition	Observation		
1% Sodium chloride solution for 24 hours	Rusting was not found on test sample.	6	PASS

Notes:

NR = Not required; NA = Not applicable

Rating (quantity of defect):  
 Rating 6 = Completely free of corrosion  
 Rating 5 = Very minor, i.e., little or barely corrosion  
 Rating 4 = Minor, i.e., little but significant corrosion  
 Rating 3 = Moderate, i.e., scattered corrosion  
 Rating 2 = Extensive, i.e., considerable corrosion  
 Rating 1 = Severe, i.e., dense corrosion

Requirement: Rating 6 = PASS; Rating 5 or below = FAIL (See Failure photo)

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**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Silvery metal	Body
2	Dull silvery metal	Handle
3	Matt silvery metal	Holder of handle
4	Bright silvery metal	Rivet
5	Completed product	Food contact part only
6	Silvery metal	Interior of bucket

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**SAMPLE PHOTO:**



-End Report-

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