QIMA
YOUR EYES IN THE SUPPLY CHAIN

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1500

TEST REPORT

Test Report #	19H-006076	Date of Report Issue:	August 30, 2019
Date of Sample Received:	August 13, 2019	Pages:	Page 1 of 15

CLIENT INFORMATION:

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

SAMPLE INFORMATION:

Description:	18 Oz. Aqua Pure Glass Bottle		
Assortment:	3 colors	Purchase Order Number:	326103
SKU No.:	6027	Agent:	Growth-Sonic
Factory No.:	127042	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 pcs per style	Recommended Age Grade:	-
Testing Period:	08/15/2019 – 08/23/2019 08/26/2019 – 08/30/2019	Tested Age Grade:	-

OVERALL RESULT: **PASS with information**

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	CPSIA Section 101, Total Lead in Glass and Ceramic Materials#
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Lead in Glass and Ceramic Materials#
INFORMATION ONLY	FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers#
PASS	Client's Requirement, Bisphenol A and Bisphenol S#
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets#
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#
PASS	ASTM B117-16 Resistance to Corrosion#

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	---	**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:

CPSIA Section 101, Total Lead in Glass and Ceramic Materials

Test Method: In-House Method#
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	---	---	---	---	**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.

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	---	**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:

California Proposition 65, Total Lead in Glass and Ceramic Materials

Test Method: In-House Method#
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	---	---	---	---	**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.

DETAILED RESULTS:

FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers

Test Method: In-House Method#
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	6	---	---	---	---
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)
Total Chromium (Cr)	14.5	---	---	---	---
Conclusion	Information Only	---	---	---	---

Note:
% m/m = Percent by mass
GT = Greater than

Remark:
The limit is quoted from ANSI/NSF 51-1997 Section 7.1.2.

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.		2	---	---	---	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	---	---	---	**ND**
Bisphenol S (BPS)	80-09-1	ND	---	---	---	**ND**
Conclusion		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.			2	---		
Test Item	Test Condition		Result (ppm)	Result (ppm)	**RL (ppm)**	**Limit (ppm)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	10	---	**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:

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.	8A	8B	8C	8D	8E	8F	8G
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)	550	550	550	550	550	550	550
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	8H	8I	8J	8K	8L	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)	550	550	550	550	550		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	**0.049**
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	**0.100**
Conclusion						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)

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

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#
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2	5	7	---	---	
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	---	---	**90**
Conclusion	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 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

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.:	6	**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)

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black foam	Sleeve (all styles)
2	Translucent soft plastic (silicone)	Gasket (all styles)
3	Black plastic	Inner lid (all styles)
4	Grey plastic	Strap holder (all styles)
5	Silvery metal	Outer lid/ inner lid (all styles)
6	Silvery metal (stainless steel)	Inner lid (all styles)
7	Transparent glass	Body of bottle (all styles)
8	Transparent glass	Interior of bottle (all styles)

SAMPLE PHOTO:

-End Report-