QIMA
YOUR EYES IN THE SUPPLY CHAIN

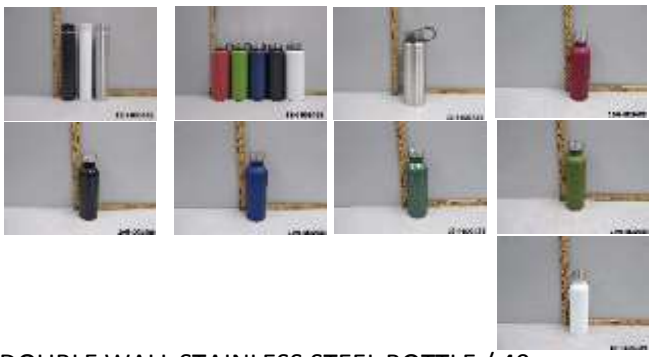
AT-1500

TEST REPORT

Test Report #	19H-005489	Date of Report Issue:	September 25, 2019
Date of Sample Received:	July 18, 2019	Pages:	Page 1 of 21

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description:	28oz Single Wall SS Bottle / 8oz DOUBLE WALL STAINLESS STEEL BOTTLE / 40 Oz. Invigorate Stainless Steel Bottle		
Assortment:	6 colors / 3 colors / 6 colors	Purchase Order Number:	321423/ 321454 / 321565
SKU No.:	5536 / 5539 / 5711	Agent:	Growth-Sonic
Factory No.:	127610	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	Refer to Page 2	Recommended Age Grade:	-
Testing Period:	07/18/2019 – 08/05/2019 08/08/2019 – 09/05/2019 09/20/2019 – 09/25/2019	Tested Age Grade:	-

OVERALL RESULT: **PASS with information**

Refer to page 3 for test result summary and appropriate notes.
QIMA Testing (HK) Limited

Loska Yeung Lok Ka
Assistant Manager, Chemical Laboratory

QUANTITY SUBMITTED DETAILED:

Style description	Qty.
8oz DOUBLE WALL STAINLESS STEEL BOTTLE - Black	5 pcs
8oz DOUBLE WALL STAINLESS STEEL BOTTLE - White	5 pcs
8oz DOUBLE WALL STAINLESS STEEL BOTTLE - Silver	15 pcs
40 Oz. Invigorate Stainless Steel Bottle - Red	5 pcs
40 Oz. Invigorate Stainless Steel Bottle - Green	5 pcs
40 Oz. Invigorate Stainless Steel Bottle - Navy	5 pcs
40 Oz. Invigorate Stainless Steel Bottle - Black	5 pcs
40 Oz. Invigorate Stainless Steel Bottle - White	5 pcs
40 Oz. Invigorate Stainless Steel Bottle - Silver	5 pcs
28oz Single Wall SS Bottle - Red	5 pcs
28oz Single Wall SS Bottle - Lime	5 pcs
28oz Single Wall SS Bottle - Emerald	5 pcs
28oz Single Wall SS Bottle - Navy	5 pcs
28oz Single Wall SS Bottle - Black	5 pcs
28oz Single Wall SS Bottle - White	5 pcs
Parts	1 lot

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	California Proposition 65, Total Lead in Substrate 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	FDA 21 CFR 177.1520, Polypropylene Homopolymers
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 & 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	9+10+11	12+13	19+20+21	22+23+24	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Conclusion	PASS	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 Paints and Surface Coatings

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

Specimen No.	1+2	9+10+11	12+13	19+20+21	22+23+24	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Conclusion	PASS	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:

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.	4	5	6	15	16	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	18	26	27	---	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	---	---	**100**
Conclusion	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.	4	5	6	15	16	**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.	18	26	27	----	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	**100**
Conclusion	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:

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	7	---	---	---
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)
Total Chromium (Cr)	17.1	12.5	---	---	---
Conclusion	Information Only	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.		14	16	---	---	
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.			3	17		
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	23	**10**	**50**
		Conclusion	PASS	PASS		

Specimen No.			25	---		
Test Item	Test Condition		Result (ppm)	Result (ppm)	**RL (ppm)**	**Limit (ppm)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	24	---	**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 Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			14	---		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.896	---	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	175.6	---	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	1.0	---	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	ND	---	**0.5**	**9.8**
		Conclusion	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.

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	5	6	9+10+11	12+13	
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	ND	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	15	16	19+20+21	22+23+24	---	
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.

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.:	7	**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 coating	On outer lid/ outer wall (8oz DOUBLE WALL STAINLESS STEEL BOTTLE – Black style)
2	White coating	On outer lid/ outer wall (8oz DOUBLE WALL STAINLESS STEEL BOTTLE – White style)
3	Translucent soft plastic (silicone)	Gasket (all 8oz DOUBLE WALL STAINLESS STEEL BOTTLE styles)
4	White plastic	Inner lid (all 8oz DOUBLE WALL STAINLESS STEEL BOTTLE styles)
5	Silvery metal	Outer wall (all 8oz DOUBLE WALL STAINLESS STEEL BOTTLE/ all 40 Oz. Invigorate Stainless Steel Bottle styles); outer lid (all styles); inner lid (all 8oz DOUBLE WALL STAINLESS STEEL BOTTLE styles); cap of lid (all 40 Oz. Invigorate Stainless Steel Bottle styles)
6	Dull silvery metal (304SS)	Inner wall (all 8oz DOUBLE WALL STAINLESS STEEL BOTTLE/ all 40 Oz. Invigorate Stainless Steel Bottle styles); body (all 28oz Single Wall SS Bottle styles)
7	Silvery metal (201SS)	Inner lid (all 8oz DOUBLE WALL STAINLESS STEEL BOTTLE styles)
9	Red coating	On outer wall (40 Oz. Invigorate Stainless Steel Bottle – Red style)
10	Green coating	On outer wall (green style)
11	Navy coating	On outer wall (40 Oz. Invigorate Stainless Steel Bottle – Navy style)
12	Dull black coating	On outer wall (40 Oz. Invigorate Stainless Steel Bottle – Black style)
13	Dull white coating	On outer wall (40 Oz. Invigorate Stainless Steel Bottle – White style)
14	Black plastic (PP-homo)	Inner lid (all 40 Oz. Invigorate Stainless Steel Bottle/ all 28oz Single Wall SS Bottle styles)
15	Black plastic	Inner lid (all 40 Oz. Invigorate Stainless Steel Bottle/ all 28oz Single Wall SS Bottle styles); handle (all 40 Oz. Invigorate Stainless Steel Bottle styles)
16	Translucent soft plastic (Silicone)	Gasket (all styles)
17	Translucent soft plastic (Silicone)	Gasket (all 40 Oz. Invigorate Stainless Steel Bottle styles)
18	Black foam with adhesive	Pad of bottom (40 Oz. Invigorate Stainless Steel Bottle – Silver style)
19	Dull red coating	On outer body (28oz Single Wall SS Bottle – Red style)

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
20	Dull green coating	On outer body (lime style)
21	Bright green coating	On outer body (emerald style)
22	Dull navy coating	On outer body (28oz Single Wall SS Bottle – Navy style)
23	Bright black coating	On outer body (28oz Single Wall SS Bottle – Black style)
24	Bright white coating	On outer body (28oz Single Wall SS Bottle – White style)
25	Translucent soft plastic (Silicone)	Gasket (all 28oz Single Wall SS Bottle styles)
26	Dull silvery metal	Handle (28oz Single Wall SS Bottle style)
27	Dull black foam with adhesive	Pad of bottom (all 8oz DOUBLE WALL STAINLESS STEEL BOTTLE/ all 40 Oz. Invigorate Stainless Steel Bottle except silvery style styles)

SAMPLE PHOTO:

SAMPLE PHOTO:

SAMPLE PHOTO:

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SAMPLE PHOTO:

-End Report-