

TEST REPORT

Test Report #	19H-005771	Date of Report Issue:	September 30, 2019
Date of Sample Received:	July 30, 2019	Pages:	Page 1 of 22

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description:	15 Oz. Terra Tumbler, 16 Oz. Stainless Steel Thermos, 25 Oz. Stainless Steel Grip Bottle		
Assortment:	4 colors/ 3 colors/ 8 colors	Purchase Order Number:	323354
SKU No.:	5797/ 5855/ 5886	Agent:	Growth-Sonic
Factory No.:	127770	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	Refer to Page 2	Recommended Age Grade:	-
Testing Period:	07/31/2019 – 08/13/2019 08/14/2019 – 08/21/2019 08/23/2019 – 09/05/2019 09/19/2019 – 09/30/2019	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

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YOUR EYES IN THE SUPPLY CHAIN

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QUANTITY SUBMITTED DETAILED:

Style description	Qty.
15 Oz. Terra Tumbler - Red	5 pcs
15 Oz. Terra Tumbler - Blue	5 pcs
15 Oz. Terra Tumbler - Purple	5 pcs
15 Oz. Terra Tumbler - Black	5 pcs
16 Oz. Stainless Steel Thermos - Red	3 pcs
16 Oz. Stainless Steel Thermos - Teal	3 pcs
16 Oz. Stainless Steel Thermos - Silver	3 pcs
25 Oz. Stainless Steel Grip Bottle - Red	2 pcs
25 Oz. Stainless Steel Grip Bottle - Lime	3 pcs
25 Oz. Stainless Steel Grip Bottle - Turquoise	3 pcs
25 Oz. Stainless Steel Grip Bottle - Blue	3 pcs
25 Oz. Stainless Steel Grip Bottle - Black	3 pcs
25 Oz. Stainless Steel Grip Bottle - White	3 pcs
25 Oz. Stainless Steel Grip Bottle - Silver	3 pcs
25 Oz. Stainless Steel Grip Bottle - Grey	3 pcs
Parts	3 lots

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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	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	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers
PASS	ASTM B117-16 Resistance to Corrosion [#]
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

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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+3	4+5	6+7	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	90
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.

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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+3	4+5	6+7	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	90
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.

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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.	8	9+10+11	12+13+14	15	16+17	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+19	26	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	---	---	---	100
Conclusion	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.	8	9+10+11	12+13+14	15	16+17	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+19	26	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	---	---	---	100
Conclusion	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:**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.	27	28	---	---	---
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)
Total Chromium (Cr)	18.8	13.9	---	---	---
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.

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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.		8	9	10	11	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.		12	13	14	15	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.		17	20	21	22	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	

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.			23	24	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	15	10	50
Conclusion			PASS	PASS		

Specimen No.			25	---	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	---	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.

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

Test Method: FDA 21 CFR 177.1520

Specimen No.			13	14	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.890	0.884	NA	0.880 – 0.913
Melting point (°C)	NA	NA	168.8	168.3	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	1.6	1.8	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.7	1.3	0.5	9.8
Conclusion			PASS	PASS		

Specimen No.			15	21	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.908	0.897	NA	0.880 – 0.913
Melting point (°C)	NA	NA	169.9	172.7	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	1.0	0.9	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	1.2	1.5	0.5	9.8
Conclusion			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:**FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			22	---	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.893	---	NA	0.880 – 0.913
Melting point (°C)	NA	NA	170.2	---	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	1.4	---	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.4	---	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.

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DETAILED RESULTS:**FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers**

Test Method: FDA 21 CFR 180.22 and 181.32
 Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			9	RL	Limit
Test Simulant	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
Conclusion			PASS		

Specimen No.			10	RL	Limit
Test Simulant	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
Conclusion			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 181.32 (b) (3).

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DETAILED RESULTS:**FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers**

Test Method: FDA 21 CFR 180.22 and 181.32

Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			11	RL	Limit
Test Simulant	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
Conclusion			PASS		

Specimen No.			12	RL	Limit
Test Simulant	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
Conclusion			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 181.32 (b) (3).

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DETAILED RESULTS:**FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers**

Test Method: FDA 21 CFR 180.22 and 181.32
 Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			17	RL	Limit
Test Simulant	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
Conclusion			PASS		

Specimen No.			20	RL	Limit
Test Simulant	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
Conclusion			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 181.32 (b) (3).

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YOUR EYES IN THE SUPPLY CHAIN

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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.:	28	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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YOUR EYES IN THE SUPPLY CHAIN

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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	6+7	8	9+10+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
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	12+13+14	15	16+17	26	---	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	---	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 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Red coating	On outer wall/ base (25 Oz - red style)
2	Green coating	On outer wall/ base (25 Oz - lime style)
3	Deep turquoise coating	On outer wall/ base (25 Oz - turquoise style)
4	Blue coating	On outer wall/ base (25 Oz - blue style)
5	Black coating	On outer wall/ base (25 Oz – black style)
6	White coating	On outer wall/ base (25 Oz - white style)
7	Grey coating	On outer wall/ base (25 Oz - grey style)
8	Translucent soft plastic	Gasket (all styles)
9	Dull red plastic (ABS)	Slider (15 Oz – red style)
10	Dull blue plastic (ABS)	Slider (15 Oz – blue style)
11	Dull purple plastic (ABS)	Slider (15 Oz – purple style)
12	Dull black plastic (ABS)	Slider (15 Oz – black style)
13	Red plastic (PP-homo)	Lid/ body of bottle (15 Oz – red style)
14	Blue plastic (PP-homo)	Lid/ body of bottle (15 Oz – blue style)
15	Purple plastic (PP-homo)	Lid/ body of bottle (15 Oz – purple style)
16	Black plastic	Lid/ body of bottle (15 Oz – black style); top inner lid/ lid/ inner lid/ piston (all 16 Oz styles); lid (all 25 Oz styles)
17	White plastic (ABS)	Switch button of lid (all 16 Oz styles)
18	Transparent red plastic	Outer body (16Oz – red style)
19	Transparent blue plastic	Outer body (16Oz – teal style)
20	Ivory plastic (ABS)	Inner part of switch (all 16 Oz styles)
21	Transparent plastic (PP-homo)	Washer of piston (all 16 Oz styles)
22	Black plastic (PP-homo)	Lid/ body of bottle (15 Oz – black style); top inner lid/ inner lid/ piston (all 16 Oz styles); lid (all 25 Oz styles)
23	Translucent soft plastic (silicone)	Gasket (all 15 Oz styles)
24	Translucent soft plastic (silicone)	Gasket (all 16 Oz styles)
25	Translucent soft plastic (silicone)	Gasket (all 25 Oz styles)

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YOUR EYES IN THE SUPPLY CHAIN

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
26	Silvery metal	Outer lid/ outer body (all 15 Oz styles); outer lid/ outer wall/ inner wall/ bottom (all 16 Oz styles); body of bottle (all 25 Oz styles)
27	Silvery metal (201SS)	Inner wall (all 16 Oz styles); body of bottle (all 25 Oz styles)
28	Off silvery metal (304SS)	Spring of inner lid (all 16 Oz styles)

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SAMPLE PHOTO:



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-End Report-

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