QIMA
YOUR EYES IN THE SUPPLY CHAIN

ilac-MRA ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1500

TEST REPORT

Test Report #	19H-007856	Date of Report Issue:	November 7, 2019
Date of Sample Received:	October 23, 2019	Pages:	Page 1 of 12

CLIENT INFORMATION:

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

SAMPLE INFORMATION:

Description:	16 Oz. Travel Tumbler		
Assortment:	3 cups, 7 bands, 7 lids	Purchase Order Number:	340894
SKU No.:	5766	Agent:	Growth-Sonic
Factory No.:	127647	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	Refer to Page 2	Recommended Age Grade:	-
Testing Period:	10/30/2019 – 11/07/2019	Tested Age Grade:	-

OVERALL RESULT: **PASS**

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.
16 Oz. Travel Tumbler - Lid - Red	5 pcs
16 Oz. Travel Tumbler - Lid - Orange	5 pcs
16 Oz. Travel Tumbler - Lid - Green	5 pcs
16 Oz. Travel Tumbler - Lid - Blue	5 pcs
16 Oz. Travel Tumbler - Lid - Black	5 pcs
16 Oz. Travel Tumbler - Lid - White	5 pcs
16 Oz. Travel Tumbler - Lid - Gray	5 pcs
16 Oz. Travel Tumbler - Band - Red	5 pcs
16 Oz. Travel Tumbler - Band - Orange	5 pcs
16 Oz. Travel Tumbler - Band - Lime	5 pcs
16 Oz. Travel Tumbler - Band - Blue	5 pcs
16 Oz. Travel Tumbler - Band - Black	5 pcs
16 Oz. Travel Tumbler - Band - White	5 pcs
16 Oz. Travel Tumbler - Band - Gray	5 pcs
16 Oz. Travel Tumbler - Cup - Black	4 pcs
16 Oz. Travel Tumbler - Cup - White	4 pcs
16 Oz. Travel Tumbler - Cup - Gray	5 pcs

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	Client's Requirement, Bisphenol A and Bisphenol S[#ϕ]
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

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+6	7+8	9+10+11	**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.	12+13	14+15	---	---	---	**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.

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+6	7+8	9+10+11	**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.	12+13	14+15	---	---	---	**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:
The specification is quoted from client's requirement.

DETAILED RESULTS:

Client's Requirement, Bisphenol A and Bisphenol S

Test Method: In-House Method[#ϕ]
Analytical Method: Liquid Chromatography with Mass Spectrometry or
Liquid Chromatography with Mass Spectrometry Mass Spectrometry

Specimen No.		1	9	10	11	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (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	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (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)

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			1	---		
Test Item	Test Condition		Result (ppm)	Result (ppm)	**RL (ppm)**	**Limit (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.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			9	10		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.901	0.903	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	169.6	170.2	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	0.9	0.9	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	0.9	1.0	**0.5**	**9.8**
		Conclusion	PASS	PASS		

Specimen No.			11	12		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.897	0.899	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	163.1	167.8	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	1.0	1.1	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	1.4	1.0	**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.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			13	14		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.902	0.904	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	169.7	168.5	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	0.9	1.0	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	1.1	0.8	**0.5**	**9.8**
		Conclusion	PASS	PASS		

Specimen No.			15	---		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.903	---	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	170.6	---	**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	0.9	---	**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	9+10+11	12+13	14+15	---	
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.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Translucent soft plastic (silicone)	Gasket (all lid styles)
2	Red soft plastic	Band (band – red style)
3	Orange soft plastic	Band (band – orange style)
4	Green soft plastic	Band (band – lime style)
5	Blue soft plastic	Band (band – blue style)
6	Black soft plastic	Band (band – black style)
7	White soft plastic	Band (band – white style)
8	Grey soft plastic	Band (band – gray style)
9	Red plastic (PP-homo)	Lid (lid – red style)
10	Orange plastic (PP-homo)	Lid (lid – orange style)
11	Green plastic (PP-homo)	Lid (lid – lime style)
12	Blue plastic (PP-homo)	Lid (lid – blue style)
13	Black plastic (PP-homo)	Lid (lid – black style); cup (cup – black style)
14	White plastic (PP-homo)	Lid (lid – white style); cup (cup – white style)
15	Grey plastic (PP-homo)	Lid (lid – gray style); cup (cup – gray style)

SAMPLE PHOTO:

-End Report-