

TEST REPORT

Test Report #	19H-003459	Date of Report Issue:	May 27, 2019
Date of Sample Received:	May 17, 2019	Pages:	Page 1 of 13

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description:	24OZ. Tritan™ Swiggy Bottle	Purchase Order Number:	310197
Assortment:	8 colors	Agent:	Growth-Sonic
SKU No.:	5991	Country of Origin:	China
Factory No.:	127044	Labeled Age Grade:	-
Country of Distribution:	United States	Recommended Age Grade:	-
Quantity Submitted:	5 pcs per style	Tested Age Grade:	-
Testing Period:	05/17/2019 – 05/27/2019		

OVERALL RESULT:

 **PASS**

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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YOUR EYES IN THE SUPPLY CHAIN

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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
PASS	Client's Requirement, Bisphenol A and Bisphenol S [#]
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	FDA 21 CFR 177.1240, 1,4-Cyclohexylene Dimethylene Terephthalate and 1,4-Cyclohexylene Dimethylene Isophthalate Copolymer [#]
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	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	90
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.

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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	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	90
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.

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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.	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	---	---	100
Conclusion	PASS	PASS	PASS	---	---	

Note:

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LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

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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.	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	---	---	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:

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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.		2	4	5	6	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.		7	8	9	10	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.		11	---	---	---	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (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)

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

Test Method: FDA 21 CFR 177.1520

Specimen No.			2	---	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.904	---	NA	0.880 – 0.913
Melting point (°C)	NA	NA	171.9	---	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	2.2	---	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.9	---	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.

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DETAILED RESULTS:**FDA 21 CFR 177.1240, 1,4-Cyclohexylene Dimethylene Terephthalate and 1,4- Cyclohexylene Dimethylene Isophthalate Copolymer**Test Method: FDA 21 CFR 177.1240[#]

Specimen No.			4	5	RL (%)	Limit (%)
Test Item	Test Condition		Result (%)	Result (%)		
	Temp.	Duration				
Distilled water extractive	Reflux	2 hours	ND	ND	0.01	0.05
n-Hexane extractive	Reflux	2 hours	ND	ND	0.01	0.05
Ethyl acetate extractive	Reflux	2 hours	0.446	0.425	0.01	0.7
Conclusion			PASS	PASS		

Specimen No.			6	7	RL (%)	Limit (%)
Test Item	Test Condition		Result (%)	Result (%)		
	Temp.	Duration				
Distilled water extractive	Reflux	2 hours	ND	ND	0.01	0.05
n-Hexane extractive	Reflux	2 hours	ND	ND	0.01	0.05
Ethyl acetate extractive	Reflux	2 hours	0.399	0.413	0.01	0.7
Conclusion			PASS	PASS		

Note:

Temp. = Temperature

% w/w = Percent by weight

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

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DETAILED RESULTS:**FDA 21 CFR 177.1240, 1,4-Cyclohexylene Dimethylene Terephthalate and 1,4- Cyclohexylene Dimethylene Isophthalate Copolymer**Test Method: FDA 21 CFR 177.1240[#]

Specimen No.			8	9	RL (%)	Limit (%)
Test Item	Test Condition		Result (%)	Result (%)		
	Temp.	Duration				
Distilled water extractive	Reflux	2 hours	ND	ND	0.01	0.05
n-Hexane extractive	Reflux	2 hours	ND	ND	0.01	0.05
Ethyl acetate extractive	Reflux	2 hours	0.406	0.200	0.01	0.7
Conclusion			PASS	PASS		

Specimen No.			10	11	RL (%)	Limit (%)
Test Item	Test Condition		Result (%)	Result (%)		
	Temp.	Duration				
Distilled water extractive	Reflux	2 hours	ND	ND	0.01	0.05
n-Hexane extractive	Reflux	2 hours	ND	ND	0.01	0.05
Ethyl acetate extractive	Reflux	2 hours	0.361	0.423	0.01	0.7
Conclusion			PASS	PASS		

Note:

Temp. = Temperature

% w/w = Percent by weight

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

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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	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	---	90
Conclusion	PASS	PASS	PASS	PASS	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)

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ND = Not detected (Reporting Limit = 20 ppm)

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Grey coating	On lid/ bottom (all styles)
2	Black plastic (PP-homo)	Lid (all styles)
3	Black plastic	Lid/ bottom (all styles)
4	Clear red plastic (PCTG)	Body (red style)
5	Clear orange plastic (PCTG)	Body (orange style)
6	Clear green plastic (PCTG)	Body (lime style)
7	Clear dark green plastic (PCTG)	Body (green style)
8	Clear blue plastic (PCTG)	Body (blue style)
9	Clear purple plastic (PCTG)	Body (purple style)
10	Clear black plastic (PCTG)	Body (black style)
11	Clear plastic (PCTG)	Body (clear style)

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SAMPLE PHOTO:



-End Report-

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