

TEST REPORT

Test Report #	19H-005901	Date of Report Issue:	September 12, 2019
Date of Sample Received:	August 4, 2019	Pages:	Page 1 of 13

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description:	Tritan™ Hydrator Sports Bottle		
Assortment:	4 colors	Purchase Order Number:	323349
SKU No.:	5989	Agent:	Growth-Sonic
Factory No.:	127742	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	9 pcs (Green), 8 pcs (Red, Blue, Black)	Recommended Age Grade:	-
Testing Period:	08/15/2019 – 08/23/2019 09/04/2019 – 09/12/2019	Tested Age Grade:	-

OVERALL RESULT:



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 177.1210, Closures with Sealing Gaskets [#]
PASS	FDA 21 CFR 177.1240, 1,4-Cyclohexylene Dimethylene Terephthalate and 1,4-Cyclohexylene Dimethylene Isophthalate Copolymer [#]
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
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	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.	8	9	10	11+12+13	---	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.

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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	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.	8	9	10	11+12+13	---	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:

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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	6	8	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.		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
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)

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DETAILED RESULTS:**FDA 21 CFR 177.1210, Closures with Sealing Gaskets**Test Method: FDA 21 CFR 177.1210[#]

Specimen No.			6	---	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 177.1240, 1,4-Cyclohexylene Dimethylene Terephthalate and 1,4- Cyclohexylene Dimethylene Isophthalate Copolymer**

+ Test Method: FDA 21 CFR 177.1240#

Specimen No.			4	8	RL (%)	Limit (%)
Test Item	Test Condition		Result (%)	Result (%)		
	Temp.	Duration				
Distilled water extractive	Reflux	2 hours	0.042	0.046	0.02	0.05
n-Hexane extractive	Reflux	2 hours	0.022	ND	0.02	0.05
Ethyl acetate extractive	Reflux	2 hours	0.213	0.195	0.02	0.7
Conclusion			PASS	PASS		

Specimen No.			9	10	RL (%)	Limit (%)
Test Item	Test Condition		Result (%)	Result (%)		
	Temp.	Duration				
Distilled water extractive	Reflux	2 hours	0.037	0.036	0.02	0.05
n-Hexane extractive	Reflux	2 hours	0.023	ND	0.02	0.05
Ethyl acetate extractive	Reflux	2 hours	0.227	0.191	0.02	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 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			2	---		
Test Item	Temp.	Duration	Result	Result	RL	Limit
Density (g/cc)	NA	NA	0.901	---	NA	0.880 – 0.913
Melting point (°C)	NA	NA	170.1	---	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.

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Transparent lacquer	On outer body (all styles)
2	Grey plastic (PP-homo)	Lid (all styles)
3	Grey plastic	Lid/ cap of lid (all styles)
4	Clear green plastic (PCTG)	Body (green style)
5	Dull grey plastic	Strap/ ring of body (all styles)
6	Translucent soft plastic (Silicone)	Gasket (all styles)
7	Green soft plastic	Band of lid (green style)
8	Clear red plastic (PCTG)	Body (red style)
9	Clear blue plastic (PCTG)	Body (blue style)
10	Clear black plastic (PCTG)	Body (black style)
11	Red soft plastic	Band of lid (red style)
12	Blue soft plastic	Band of lid (blue style)
13	Black soft plastic	Band of lid (black style)

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SAMPLE PHOTO:



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