

TEST REPORT

Test Report # 19H-007956 Date of Report Issue: November 7, 2019
Date of Sample Received: October 28, 2019 Pages: Page 1 of 10

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description: 24 OZ. Shake-It-Up Bottle
Assortment: 3 colors Purchase Order Number: 340896
SKU No.: 5678 Agent: Growth-Sonic
Factory No.: 127640 Country of Origin: China
Country of Distribution: United States Labeled Age Grade: -
Quantity Submitted: 5 pcs per style Recommended Age Grade: -
Testing Period: 10/29/2019 – 11/07/2019 Tested Age Grade: -

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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Test(s) marked with 'φ' was subcontracted to external laboratory.

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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, 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 177.1520, Polypropylene Homopolymers
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

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DETAILED RESULTS:

CPSIA Section 101, 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	---	---	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.

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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.	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	---	---	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:

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	2	3	4	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.		5	6	7	---	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	ND
Bisphenol S (BPS)	80-09-1	ND	ND	ND	---	ND
Conclusion		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 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	2	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.906	0.909	NA	0.880 – 0.913
Melting point (°C)	NA	NA	164.5	163.9	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	2.6	2.7	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.9	2.8	0.5	9.8
Conclusion			PASS	PASS		

Specimen No.			3	4	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.903	0.897	NA	0.880 – 0.913
Melting point (°C)	NA	NA	164.2	167.4	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	1.1	1.1	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	1.6	2.0	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.

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	6	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.900	0.910	NA	0.880 – 0.913
Melting point (°C)	NA	NA	168.5	168.8	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	1.1	1.1	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	1.2	1.3	0.5	9.8
Conclusion			PASS	PASS		

Specimen No.			7	---	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.901	---	NA	0.880 – 0.913
Melting point (°C)	NA	NA	154.2	---	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	2.9	---	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	3.4	---	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:

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	---	---	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	---	---	90
Conclusion	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	Red plastic (PP-homo)	Lid/ flip lid (red style)
2	Blue plastic (PP-homo)	Lid/ flip lid (blue style)
3	Black plastic (PP-homo)	Lid/ flip lid (black style)
4	Dull red plastic (PP-homo)	Ball (red style)
5	Dull blue plastic (PP-homo)	Ball (blue style)
6	Dull black plastic (PP-homo)	Ball (black style)
7	Translucent plastic (PP-homo)	Body of bottle (all styles)

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SAMPLE PHOTO:



-End Report-

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