





TEST REPORT

Test Report # 19H-006380 Date of Report Issue: September 2, 2019

Date of Sample Received: August 23, 2019 Pages: Page 1 of 13

CLIENT INFORMATION:

Company: Hit Promotional Products

Recipient: Nathan Cotter

Recipient Email: ncotter@hitpromo.net

SAMPLE INFORMATION:

Description: 24 Oz. Crest Carabiner Sports Bottle

Assortment: 7 colors Purchase Order Number: 325359

SKU No.: 5933 Agent: Brand New Days

Factory No.: 106719 Country of Origin: China

Country of Distribution: United States Labeled Age Grade:

Quantity Submitted: 5 pcs per style Recommended Age Grade: -

Testing Period: 08/23/2019 – 09/02/2019 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 Report #: 19H-006380 Page 2 of 13

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#
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets#
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

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Test Report #: 19H-006380 Page 3 of 13

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.	2+3+4	5+6	7+8	9+10+11	12+13+14	Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	15	16	17			Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (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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Test Report #: 19H-006380 Page 4 of 13

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.	2+3+4	5+6	7+8	9+10+11	12+13+14	Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	15	16	17			Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (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.

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Test Report #: 19H-006380 Page 5 of 13

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.		1	3	4	5	
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
Conclusi	on	PASS	PASS	PASS	PASS	

Specimen No.		6	7	8	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
Conclusi	on	PASS	PASS	PASS	PASS	

Note:

ppb (Parts per billion) = μ g/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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Test Report #: 19H-006380 Page 6 of 13

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			15			
Tost Itom	Test Co	ndition	Result	Result	RL	Limit
Test Item	Temp.	Duration	(ppm)	(ppm)	(ppm)	(ppm)
Distilled water extractive	Fill boiling	Until Cool			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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Test Report #: 19H-006380 Page 7 of 13

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			1			
Test Item	Temp.	Duration	Result	Result	RL	Limit
Density (g/cc)	NA	NA	0.903		NA	0.85-1.00
n-Hexane extractive (%)	50°C	2 hours	2.0		0.4	5.5
Xylene extractive (%)	Reflux	2 hours or until total dissolved	3.7		1.0	30
		Conclusion	PASS			

Note:

Temp. = Temperature

°C = Degree Celsius

g/cc = Grams per cubic centimeter

% = 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) 3.1a.

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Test Report #: 19H-006380 Page 8 of 13

DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32

Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No	3				
Tost Simulant	Test Condition		Daniele	RL	limait
Test Simulant	Temp.	Duration	Result	KL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F 2 hours		ND	0.001	0.003
Conclusion	Conclusion				

Specimen No	4				
Test Simulant	Test Co	Test Condition		RL	Limit
Test Simulant	Temp.	Duration	Result	KL	LIIIIL
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	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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Test Report #: 19H-006380 Page 9 of 13

DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32

Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No	5				
Tost Simulant	Test Condition		Docul+	RL	limait
Test Simulant	Temp.	Duration	Result	KL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F 2 hours		ND	0.001	0.003
Conclusion	Conclusion				

Specimen No	6				
Toot Circulant	Test Condition		Result	RL	Limit
Test Simulant	Temp.	Duration	Result	KL	LIIIIL
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	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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Test Report #: 19H-006380 Page 10 of 13

DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32

Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No	7				
Toot Cime down	Test Condition		Doordt	RL	limait
Test Simulant	Temp.	Duration	Result	KL	Limit
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
Conclusion	PASS				

Specimen No	8				
Toot Circulant	Test Condition		Result	RL	Limit
Test Simulant	Temp.	Duration	Result	KL	LIIIIL
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	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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Test Report #: 19H-006380 Page 11 of 13

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.	2+3+4	5+6	7+8	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 ppm)

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



Test Report #: 19H-006380 Page 12 of 13

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black plastic (PP-co)	Lid (all styles)
2	Black plastic	Lid/ carabiner (all styles)
3	Clear red plastic (AS)	Body (red style)
4	Clear orange plastic (AS)	Body (orange style)
5	Clear green plastic (AS)	Body (green style)
6	Clear blue plastic (AS)	Body (blue style)
7	Clear black plastic (AS)	Body (black style)
8	Clear plastic (AS)	Body (clear style)
9	Dull clear red plastic	Moving part of carabiner (red style)
10	Dull clear orange plastic	Moving part of carabiner (orange style)
11	Dull clear green plastic	Moving part of carabiner (green style)
12	Dull clear blue plastic	Moving part of carabiner (blue style)
13	Dull clear black plastic	Moving part of carabiner (black style)
14	Dull clear plastic	Moving part of carabiner (clear style)
15	Translucent soft plastic (Silicone)	Gasket (all styles)
16	Silvery metal	Axis of carabiner (all styles)
17	Dull silvery metal	Spring of carabiner (all styles)

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Test Report #: 19H-006380 Page 13 of 13

SAMPLE PHOTO:





-End Report-

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