

TEST REPORT



Test Report #	19H-006882	Date of Report Issue:	October 4, 2019
Date of Sample Received:	September 13, 2019	Pages:	Page 1 of 13
CLIENT INFORMATION:			
Company:	Hit Promotional Produ	cts	
Recipient:	Nathan Cotter		the second se
Recipient Email:	ncotter@hitpromo.net	t	
			19H-006882
SAMPLE INFORMATION:			19H-006882
Description:	16 Oz. Color Changing	Tumbler	
Assortment:	4 colors	Purchase Order Num	iber: 318121
SKU No.:	5811	Agent:	Headwind (Chairs, Bottles)
Factory No.:	129930	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	6 pcs per style + 1 lot F	Parts Recommended Age	Grade: -
Testing Period:	09/17/2019 - 10/04/2	019 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

QIMA Testing (HK) Limited * 3/F Liven House, No. 61 – 63 King Yip Street, Kwun Tong, Kowloon, Hong Kong * Tel: (852)3185 8000. The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation. ANAB is recognized by ILAC, APAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally. Test(s) marked with '\$\phi'\$ was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



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

QIMA Testing (HK) Limited * 3/F Liven House, No. 61 – 63 King Yip Street, Kwun Tong, Kowloon, Hong Kong * Tel: (852)3185 8000. The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation. ANAB is recognized by ILAC, APAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally. Test(s) marked with '\psi' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



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	3+4	5+6+7	8+9	10+11	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	

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.

QIMA Testing (HK) Limited * 3/F Liven House, No. 61 – 63 King Yip Street, Kwun Tong, Kowloon, Hong Kong * Tel: (852)3185 8000. The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation. ANAB is recognized by ILAC, APAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally. Test(s) marked with '\psi' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



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	3+4	5+6+7	8+9	10+11	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	

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.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



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
Conclus	ion	PASS	PASS	PASS	PASS	

Specimen No.		6	7	8	9	
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.		10	12			
Test Item	CAS No.	Result	Result	Result	Result	Limit
	CAS NO.	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Bisphenol A (BPA)	80-05-7	ND	ND			ND
Bisphenol S (BPS)	80-09-1	ND	ND			ND
Conclusi	ion	PASS	PASS			

Note:

ppb (Parts per billion) = $\mu g/kg$ (Micrograms per kilogram)

NA = Not applicable

LT = Less than

ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

QIMA Testing (HK) Limited * 3/F Liven House, No. 61 – 63 King Yip Street, Kwun Tong, Kowloon, Hong Kong * Tel: (852)3185 8000. The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation. ANAB is recognized by ILAC, APAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally. Test(s) marked with '\psi' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.

If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>. This test report may not be reproduced in whole or in part, without written approval of QIMA Testing (HK) Limited.



DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210[#]

Specime	1					
Tost Itom	Test Condition		Result	Result	RL	Limit
Test Item	Temp.	Duration	(ppm)	(ppm)	(ppm)	(ppm)
Distilled water extractive	120°F	24 hours	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.

QIMA Testing (HK) Limited * 3/F Liven House, No. 61 – 63 King Yip Street, Kwun Tong, Kowloon, Hong Kong * Tel: (852)3185 8000. The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation. ANAB is recognized by ILAC, APAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally. Test(s) marked with '\$\phi\$ was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			3	4		
Test Item	Temp.	Duration	Result	Result	RL	Limit
Density (g/cc)	NA	NA	0.898	0.898	NA	0.85-1.00
n-Hexane extractive (%)	50°C	2 hours	1.1	ND	0.4	5.5
Xylene extractive (%)	Reflux	2 hours or until total dissolved	2.7	2.2	1.0	30
		Conclusion	PASS	PASS		

Specimen No.			5	6		
Test Item	Temp.	Duration	Result	Result	RL	Limit
Density (g/cc)	NA	NA	0.898	0.898	NA	0.85-1.00
n-Hexane extractive (%)	50°C	2 hours	0.7	1.0	0.4	5.5
Xylene extractive (%)	Reflux	2 hours or until total dissolved	2.4	2.5	1.0	30
		Conclusion	PASS	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.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.

This test report may not be reproduced in whole or in part, without written approval of QIMA Testing (HK) Limited.



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				
Tost Simulant	Test Condition		Desult		Linait
Test Simulant	Temp.	Duration	Result	RL	Limit
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	120°F 2 hours		ND	0.001	0.003
Conclusion	PASS				

Specimen No	8				
Tost Simulant	Test Condition		Descult	ы	Linait
Test Simulant	Temp.	Duration	Result	RL	Limit
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	1 ²) 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).

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



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	9				
Tost Simulant	Test Condition		Desult		Linait
Test Simulant	Temp.	Duration	Result	RL	Limit
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	120°F 2 hours		ND	0.001	0.003
Conclusion	PASS				

Specimen No	10				
Test Simulant	Test Condition		Descult	ы	Lineit
Test Simulant	Temp.	Duration	Result	RL	Limit
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	acid extractive (mg/in ²) 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).

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.

This test report may not be reproduced in whole or in part, without written approval of QIMA Testing (HK) Limited.



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	12				
Test Simulant	Test Condition		Desult	ы	Linsit
Test simulant	Temp.	Duration	Result	RL	Limit
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	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).

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.

This test report may not be reproduced in whole or in part, without written approval of QIMA Testing (HK) Limited.



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	
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	ND	90
Conclusion	PASS	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.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Translucent soft plastic (silicone)	Gasket (all styles)
3	Translucent purple plastic (PP-co)	Straw/ ring of straw (pink style)
4	Translucent green plastic (PP-co)	Straw/ ring of straw (green style)
5	Translucent blue plastic (PP-co)	Straw/ ring of straw (blue style)
6	Translucent black plastic (PP-co)	Straw/ ring of straw (black style)
7	Pink plastic (AS)	Lid (pink style)
8	Green plastic (AS)	Lid (green style)
9	Blue plastic (AS)	Lid (blue style)
10	Black plastic (AS)	Lid (black style)
11	Clear plastic	Outer body/ inner body (all style)
12	Clear plastic (AS)	Inner body (all style)

QIMA Testing (HK) Limited * 3/F Liven House, No. 61 – 63 King Yip Street, Kwun Tong, Kowloon, Hong Kong * Tel: (852)3185 8000. The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation. ANAB is recognized by ILAC, APAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally. Test(s) marked with '\psi' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



Page 13 of 13

SAMPLE PHOTO:



-End Report-

QIMA Testing (HK) Limited * 3/F Liven House, No. 61 – 63 King Yip Street, Kwun Tong, Kowloon, Hong Kong * Tel: (852)3185 8000. The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation. ANAB is recognized by ILAC, APAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally. Test(s) marked with '\psi' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.

This test report may not be reproduced in whole or in part, without written approval of QIMA Testing (HK) Limited.