

## TEST REPORT

Test Report #	19H-002195	Date of Report Issue:	April 18, 2019
Date of Sample Received:	April 9, 2019	Pages:	Page 1 of 13

### CLIENT INFORMATION:

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



### SAMPLE INFORMATION:

Description:	Stainless Steel Straw/Cleaning Brush		
Assortment:	6 colors/1 colors	Purchase Order Number:	306713
SKU No.:	5202 / 5208	Agent:	Growth-Sonic
Factory No.:	127740	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	Refer to page 2	Recommended Age Grade:	-
Testing Period:	04/09/2019 – 04/18/2019	Tested Age Grade:	-

### OVERALL RESULT:

 **PASS**

Refer to page 3 for test result summary and appropriate notes.

QIMA Testing (HK) Limited



Loska Yeung Lok Ka  
 Assistant Manager, Chemical Laboratory

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**QUANTITY SUBMITTED DETAILS:**

STYLE DESCRIPTION	QTY.
Stainless Steel Straw - Straw	32 pcs
Cleaning Brush	28 pcs
Stainless Steel Straw - Red Rubber	16 pcs
Stainless Steel Straw - Orange Rubber	16 pcs
Stainless Steel Straw - Green Rubber	16 pcs
Stainless Steel Straw - Blue Rubber	18 pcs
Stainless Steel Straw - Purple Rubber	26 pcs
Stainless Steel Straw - Black Rubber	16 pcs

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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	FDA GRAS Specifications, Total Chromium in Stainless Steel Food Contact Utensils <sup>#</sup>
PASS	Client's Requirement, Bisphenol A and Bisphenol S <sup>#</sup>
PASS	FDA 21 CFR 177.2600, Rubber
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+8	9	10	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
<b>Conclusion</b>	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.

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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+8	9	10	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
<b>Conclusion</b>	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.

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**DETAILED RESULTS:****FDA GRAS Specifications, Total Chromium in Stainless Steel Food Contact Utensils**

Test Method: In-House Method<sup>#</sup>  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	10	---	---	---	---	Limit (% m/m)
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	
Total Chromium (Cr)	16.9	---	---	---	---	<b>GT 10.5</b>
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*

% m/m = Percent by mass

GT = Greater than

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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.		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
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

Specimen No.		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
Bisphenol S (BPS)	80-09-1	ND	ND	---	---	ND
<b>Conclusion</b>		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 177.2600, Rubber**

Test Method: FDA 21 CFR 177.2600

Specimen No.			1	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	First 7 hours	ND	2	20
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	Succeeding 2 hours	0.3	0.1	1
Conclusion			PASS		

Specimen No.			2	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	First 7 hours	ND	2	20
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	Succeeding 2 hours	0.3	0.1	1
Conclusion			PASS		

**Note:**

Temp. = Temperature

mg/in<sup>2</sup> = 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 177.2600 (e).

From Client's information, rubber article was intended for repeated use in contact with aqueous food only, therefore n-hexane extractive was not conducted.

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**DETAILED RESULTS:****FDA 21 CFR 177.2600, Rubber**

Test Method: FDA 21 CFR 177.2600

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	First 7 hours	ND	2	20
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	Succeeding 2 hours	0.3	0.1	1
Conclusion			PASS		

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	First 7 hours	ND	2	20
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	Succeeding 2 hours	0.2	0.1	1
Conclusion			PASS		

**Note:**

Temp. = Temperature

mg/in<sup>2</sup> = 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 177.2600 (e).

From Client's information, rubber article was intended for repeated use in contact with aqueous food only, therefore n-hexane extractive was not conducted.



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**DETAILED RESULTS:****FDA 21 CFR 177.2600, Rubber**

Test Method: FDA 21 CFR 177.2600

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	First 7 hours	ND	2	20
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	Succeeding 2 hours	0.5	0.1	1
Conclusion			PASS		

Specimen No.			6	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	First 7 hours	ND	2	20
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	Succeeding 2 hours	0.3	0.1	1
Conclusion			PASS		

**Note:**

Temp. = Temperature

mg/in<sup>2</sup> = 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 177.2600 (e).

From Client's information, rubber article was intended for repeated use in contact with aqueous food only, therefore n-hexane extractive was not conducted.



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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+8	9	10	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	ND	90
<b>Conclusion</b>	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 ppm)

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

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**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Red soft plastic (silicone)	Straw tip (red rubber style)
2	Orange soft plastic (silicone)	Straw tip (orange rubber style)
3	Green soft plastic (silicone)	Straw tip (green rubber style)
4	Blue soft plastic (silicone)	Straw tip (blue rubber style)
5	Purple soft plastic (silicone)	Straw tip (purple rubber style)
6	Black soft plastic (silicone)	Straw tip (black rubber style)
7	White plastic	Brush tip (cleaning brush style)
8	Translucent plastic	Brush hair (cleaning brush style)
9	Dull silvery metal	Brush body (cleaning brush style)
10	Silvery metal (304SS)	Straw (straw style)

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YOUR EYES IN THE SUPPLY CHAIN

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**SAMPLE PHOTO:**



-End Report-

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