

## TEST REPORT

Test Report # 18H-009117 Date of Report Issue: January 25, 2019  
Date of Sample Received: November 22, 2018 Pages: Page 1 of 8

### CLIENT INFORMATION:

Company: BIC Graphic  
Recipient: 14421 Myerlake Circle  
Clearwater  
Florida  
33760  
United States (USA)



### SAMPLE INFORMATION:

Description:	Metal straw & Metal Straw in Pouch & 4 Metal Straws in Pouch		
Assortment:	-	Test Request Form No.:	2442_HK
Item No.:	51028, 51029, 51030	Country of Origin:	China
Shipment Order No.:	-	Labeled Age Grade:	-
Country of Distribution:	United States, Canada	Recommended Age Grade:	-
Quantity Submitted:	4 pcs per style	Tested Age Grade:	-
Testing Period:	11/23/2018 – 11/30/2018		

### 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 RESULTS SUMMARY:**

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Metal / Plastic / Textile
PASS	Client's Requirement, Bisphenol A <sup>#</sup>
PASS	FDA 21 CFR 177.2600, Rubber

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**DETAILED RESULTS:****California Proposition 65, Total Lead in Metal / Plastic / Textile**

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	6	7	8	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	---	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	---	

**Note:**

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 10 ppm)

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

**Remark:**

The specification is quoted from client's requirement.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Silvery metal	Stainless steel straw body & brush body (test one report two) (51028, 51029 & 51030) (all styles)
6	Translucent plastic	Silver Nylon brush hair (51028, 51029 & 51030) (all styles)
7	Transparent plastic with adhesive	Clear PP plastic polybag (51028) (Metal straw style)
8	Black textile	Black fleece pouch (51029 & 51030) (Metal Straw in Pouch/ 4 Metal Straws in Pouch styles)

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**DETAILED RESULTS:****Client's Requirement, Bisphenol A**

Test Method: In-House Method<sup>#</sup>  
 Analytical Method: Liquid Chromatography with Fluorescence Detection

Specimen No.		2	3	4	5	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

**Note:**

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not Detected (Reporting Limit = 1 ppm)

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
2	Red soft plastic (Silicone)	Red silicone tip on straw (51028, 51029 & 51030) (all styles)
3	Blue soft plastic (Silicone)	Blue silicone tip on straw (51028, 51029 & 51030) (4 Metal Straws in Pouch style)
4	Yellow soft plastic (Silicone)	Yellow silicone tip on straw (51028, 51029 & 51030) (4 Metal Straws in Pouch style)
5	Green soft plastic (Silicone)	Green silicone tip on straw (51028, 51029 & 51030) (4 Metal Straws in Pouch style)

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

Test Method: FDA 21 CFR 177.2600

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	0.1	0.1	1
Conclusion			PASS		

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	0.2	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.			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	ND	0.1	1
Conclusion			PASS		

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	ND	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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**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
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3	Blue soft plastic (Silicone)	Blue silicone tip on straw (51028, 51029 & 51030) (4 Metal Straws in Pouch style)
4	Yellow soft plastic (Silicone)	Yellow silicone tip on straw (51028, 51029 & 51030) (4 Metal Straws in Pouch style)
5	Green soft plastic (Silicone)	Green silicone tip on straw (51028, 51029 & 51030) (4 Metal Straws in Pouch style)

**SAMPLE PHOTO:**



-End Report-