

## TEST REPORT

Test Report # 20W-008336(R1) Date of Report Issue: November 19, 2020  
Date of Sample Received: July 9, 2020 Pages: Page 1 of 12

### CLIENT INFORMATION:

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



### SAMPLE INFORMATION:

\*Description: Koozie Savannah Vacuum Tumbler – 18 oz.  
Assortment: - Test Request Form No.: 3486\_HK  
Item No.: 46317 Country of Origin: China  
Shipment Order No.: PO 7090810 Labeled Age Grade: -  
Country of Distribution: United States, Canada Requested Age Grade: -  
Quantity Submitted: 2 pcs per color Tested Age Grade: -  
Testing Period: 07/10/2020-07/17/2020

### OVERALL RESULT:

**PASS**

Please refer to the following pages for test result summary and appropriate notes.

QIMA (HANGZHOU) TESTING CO., LTD.

*Contrary Kong*

Contrary Kong  
Chemical Laboratory Manager



QIMA (HANGZHOU) TESTING CO., LTD. ♦ 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA

♦ Email: Labtesting@qima.com ♦ Tel: (86) 571 8999 7158.

Test(s) marked with 'φ' 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 QIMA decision rule.

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

### TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	Canadian Toys Regulations SOR/2011-17 as Amended, Item 23 – Total Lead and Mercury in Paints and Surface Coatings
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	FDA 21 CFR 177.2420, Polyester Resins, Cross-Linked

Remark: †Revised information and supersedes the previous report no. 20W-008336 date: 07/23/2020



**DETAILED RESULTS:**

**CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2	3	4	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	31	20	31	---	---	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
2	Blue coating	Blue stainless steel body
3	White coating	White stainless steel body
4	Black coating	Black stainless steel body



**DETAILED RESULTS:**

**California Proposition 65, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2	3	4	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	31	20	31	---	---	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/kg)

*Remark:*

The specification is quoted from client's requirement.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
2	Blue coating	Blue stainless steel body
3	White coating	White stainless steel body
4	Black coating	Black stainless steel body



**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	5	6	7	8	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	38	ND	ND	ND	ND	100
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9	10	11	12	---	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	---	100
<b>Conclusion</b>	PASS	PASS	PASS	PASS	---	

*Note:*  
 mg/kg = Milligrams per kilogram  
 LT = Less than  
 ND = Not detected (Reporting Limit = 15 mg/kg)

*Remark:*  
 The specification is quoted from client's requirement.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Silvery metal	Silver stainless steel body
5	Black plastic	Black tritan lid
6	Blue plastic	Blue tritan lid
7	White plastic	White tritan lid
8	Black plastic	Black ABS slider
9	Gray plastic	Gray ABS slider
10	White plastic	White ABS slider
11	Black plastic	Black PP homopolymer plastic inner lid
12	Blue plastic	Blue PP homopolymer plastic inner lid



**DETAILED RESULTS:**

**Canadian Toys Regulations SOR/2011-17 as Amended, Item 23 – Total Lead and Mercury in Paints and Surface Coatings**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2	3	4	---	---	Total Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	31	20	31	---	---	<b>90</b>
Total Mercury (Hg)	ND	ND	ND	---	---	<b>10</b>
<b>Conclusion</b>	PASS	PASS	PASS	---	---	

Note:

mg/kg=Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit: Pb=15 mg/kg; Hg = 10 mg/kg)

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
2	Blue coating	Blue stainless steel body
3	White coating	White stainless steel body
4	Black coating	Black stainless steel body



**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	5	6	7	8	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	38	ND	ND	ND	ND	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9	10	11	12	---	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	---	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	---	

*Note:*

mg/kg=Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Silvery metal	Silver stainless steel body
5	Black plastic	Black tritan lid
6	Blue plastic	Blue tritan lid
7	White plastic	White tritan lid
8	Black plastic	Black ABS slider
9	Gray plastic	Gray ABS slider
10	White plastic	White ABS slider
11	Black plastic	Black PP homopolymer plastic inner lid
12	Blue plastic	Blue PP homopolymer plastic inner lid



**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			11	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.901	NA	0.880 – 0.913
Melting point (°C)	NA	NA	170	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.8	0.1	6.4
Xylene extractive (% w/w)	120°C	2 hours or until total dissolved	2.0	0.5	9.8
<b>Conclusion</b>			PASS		

Specimen No.			12	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.888	NA	0.880 – 0.913
Melting point (°C)	NA	NA	173	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	0.8	0.1	6.4
Xylene extractive (% w/w)	120°C	2 hours or until total dissolved	0.6	0.5	9.8
<b>Conclusion</b>			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.





**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
11	Black plastic	Black PP homopolymer plastic inner lid
12	Blue plastic	Blue PP homopolymer plastic inner lid



QIMA (HANGZHOU) TESTING CO., LTD. ♦ 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA

♦ Email: Labtesting@qima.com ♦ Tel: (86) 571 8999 7158.

*Test(s) marked with 'φ' 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 QIMA decision rule.*

*This test report may not be reproduced in whole or in part, without written approval of QIMA (Hangzhou) Testing Co., Ltd.*

**DETAILED RESULTS:**

**FDA 21 CFR 177.2420, Polyester Resins, Cross-Linked**

Test Method: FDA 21 CFR 177.2420

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	212°F	0.5 hours	0.03	<b>0.01</b>	<b>0.1</b>
n-Heptane extractive (mg/in <sup>2</sup> )	120°F	0.5 hours	ND	<b>0.01</b>	<b>0.1</b>
8% Ethanol extractive (mg/in <sup>2</sup> )	212°F	0.5 hours	ND	<b>0.01</b>	<b>0.1</b>
50% Ethanol extractive (mg/in <sup>2</sup> )	212°F	0.5 hours	ND	<b>0.01</b>	<b>0.1</b>
<b>Conclusion</b>			PASS		

Specimen No.			6	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	212°F	0.5 hours	ND	<b>0.01</b>	<b>0.1</b>
n-Heptane extractive (mg/in <sup>2</sup> )	120°F	0.5 hours	ND	<b>0.01</b>	<b>0.1</b>
8% Ethanol extractive (mg/in <sup>2</sup> )	212°F	0.5 hours	ND	<b>0.01</b>	<b>0.1</b>
50% Ethanol extractive (mg/in <sup>2</sup> )	212°F	0.5 hours	0.05	<b>0.01</b>	<b>0.1</b>
<b>Conclusion</b>			PASS		

**Note:**

- Temp. = Temperature
- °F = Degree Fahrenheit
- 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 177.2420 (c).

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
5	Black plastic	Black tritan lid
6	Blue plastic	Blue tritan lid



**DETAILED RESULTS:**

**FDA 21 CFR 177.2420, Polyester Resins, Cross-Linked**

Test Method: FDA 21 CFR 177.2420

Specimen No.			7	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	212°F	0.5 hours	0.02	<b>0.01</b>	<b>0.1</b>
n-Heptane extractive (mg/in <sup>2</sup> )	120°F	0.5 hours	ND	<b>0.01</b>	<b>0.1</b>
8% Ethanol extractive (mg/in <sup>2</sup> )	212°F	0.5 hours	ND	<b>0.01</b>	<b>0.1</b>
50% Ethanol extractive (mg/in <sup>2</sup> )	212°F	0.5 hours	0.03	<b>0.01</b>	<b>0.1</b>
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature

°F = Degree Fahrenheit

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 177.2420 (c).

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
7	White plastic	White tritan lid



**SAMPLE PHOTO:**



-End Report-

