QIMA
YOUR EYES IN THE SUPPLY CHAIN

TEST REPORT

Test Report #	19W-021070	Date of Report Issue:	February 27, 2020
Date of Sample Received:	December 20, 2019	Pages:	Page 1 of 12

CLIENT INFORMATION:

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

SAMPLE INFORMATION:

Description:	-		
Assortment:	-	Test Request Form No.:	3484_HK
Item No.:	46340	Country of Origin:	China
Shipment Order No.:	PO 7102623	Labeled Age Grade:	-
Country of Distribution:	United States, Canada	Requested Age Grade:	-
Quantity Submitted:	4 color	Tested Age Grade:	-
Testing Period:	12/23/2019-12/30/2019		

OVERALL RESULT: **PASS**

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

QIMA (HANGZHOU) TESTING CO., LTD.

Kevin Lee
Technical Manager

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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 & 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 by SOR/2016-195, 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 Copolymers

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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	4	6	---	---	**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	---	---	**90**
Conclusion	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	Black coating	Black stainless steel body
4	White coating	White stainless steel body
6	Navy coating	Navy stainless steel body

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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	4	6	---	---	**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	---	---	**90**
Conclusion	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	Black coating	Black stainless steel body
4	White coating	White stainless steel body
6	Navy coating	Navy stainless steel body

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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	3	5	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)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9	10	11	---	---	**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	---	---	**100**
Conclusion	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	Black stainless steel body
3	Silvery metal	White stainless steel body
5	Silvery metal	Navy stainless steel body
7	Silvery metal	Silver stainless steel body
8	Black plastic	Black PP copolymer plastic lid
9	White plastic	White PP copolymer plastic lid
10	Navy plastic	Navy PP copolymer plastic lid
11	Gray plastic	Gray PP copolymer plastic lid

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DETAILED RESULTS:

Canadian Toys Regulations SOR/2011-17 as Amended by SOR/2016-195, 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	4	6	---	---	**Total 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	---	---	**90**
Total Mercury (Hg)	ND	ND	ND	---	---	**10**
Conclusion	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	Black coating	Black stainless steel body
4	White coating	White stainless steel body
6	Navy coating	Navy stainless steel body

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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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	3	5	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)	ND	ND	ND	ND	ND	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9	10	11	---	---	**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	---	---	**90**
Conclusion	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	Black stainless steel body
3	Silvery metal	White stainless steel body
5	Silvery metal	Navy stainless steel body
7	Silvery metal	Silver stainless steel body
8	Black plastic	Black PP copolymer plastic lid
9	White plastic	White PP copolymer plastic lid
10	Navy plastic	Navy PP copolymer plastic lid
11	Gray plastic	Gray PP copolymer plastic lid

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			8	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.886	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	1.2	**0.4**	**5.5**
Xylene extractive (% w/w)	Reflux	2 hours or total dissolved	12	**1**	**30**
Conclusion			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) 3.1a.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
8	Black plastic	Black PP copolymer plastic lid

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			9	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.892	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	1.3	**0.4**	**5.5**
Xylene extractive (% w/w)	Reflux	2 hours or total dissolved	13	**1**	**30**
Conclusion			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) 3.1a.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
9	White plastic	White PP copolymer plastic lid

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			10	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.897	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	1.0	**0.4**	**5.5**
Xylene extractive (% w/w)	Reflux	2 hours or total dissolved	10	**1**	**30**
Conclusion			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) 3.1a.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
10	Navy plastic	Navy PP copolymer plastic lid

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			11	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.893	**NA**	**0.85 – 1.00**
n-Hexane extractive (% w/w)	50°C	2 hours	1.2	**0.4**	**5.5**
Xylene extractive (% w/w)	Reflux	2 hours or total dissolved	13	**1**	**30**
Conclusion			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) 3.1a.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
11	Gray plastic	Gray PP copolymer plastic lid

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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SAMPLE PHOTO:

-End Report-

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