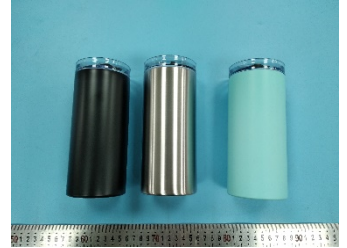


TEST REPORT

Test Report # 20W-000147 Date of Report Issue: February 21, 2020
Date of Sample Received: January 3, 2020 Pages: Page 1 of 11

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description: Esther Vacuum Tumbler - 18 oz.
Assortment: - Test Request Form No.: 3485_HK
Item No.: 46341 Country of Origin: China
Shipment Order No.: PO 7102625 Labeled Age Grade: -
Country of Distribution: Canada, United Kingdom Requested Age Grade: -
Quantity Submitted: 3 color Tested Age Grade: -
Testing Period: 01/06/2020-01/17/2020

OVERALL RESULT:

PASS

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

QIMA (HANGZHOU) TESTING CO., LTD.

Kevin Lee

Kevin Lee
Technical 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.

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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 Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Paints and Surface Coatings
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	Client's requirement, Bisphenol A content
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers



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.	1a	3a	---	---	---	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	---	---	---	90
Conclusion	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
1a	Black coating	Black stainless steel body (black style)
3a	Teal coating	Teal stainless steel body (Teal style)



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.	1a	3a	---	---	---	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	---	---	---	90
Conclusion	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
1a	Black coating	Black stainless steel body (black style)
3a	Teal coating	Teal stainless steel body (Teal style)



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.	1b	2	3b	4	5	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	

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 No. 1b (Black stainless steel body (black style)) is same material as Specimen No. 2.
 Specimen No. 3b (Teal stainless steel body (teal style)) is same material as Specimen No. 2.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1b	Silvery metal	Black stainless steel body (black style)
2	Silvery metal	Silver stainless steel body&slider top (silver style)
3b	Silvery metal	Teal stainless steel body (teal style)
4	Clear plastic (AS)	Clear AS plastic lid (all styles)
5	Black plastic (PP-copo)	Black PP Copolymer plastic slider (all styles)



DETAILED RESULTS:

Canadian Surface Coating Materials Regulations SOR/2016-193, 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.	1a	3a	---	---	---	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	---	---	---	90
Total Mercury (Hg)	ND	ND	---	---	---	10
Conclusion	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
1a	Black coating	Black stainless steel body (black style)
3a	Teal coating	Teal stainless steel body (Teal style)



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.	1b	2	3b	4	5	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	

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 No. 1b (Black stainless steel body (black style)) is same material as Specimen No. 2.

Specimen No. 3b (Teal stainless steel body (teal style)) is same material as Specimen No. 2.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1b	Silvery metal	Black stainless steel body (black style)
2	Silvery metal	Silver stainless steel body&slider top (silver style)
3b	Silvery metal	Teal stainless steel body (teal style)
4	Clear plastic (AS)	Clear AS plastic lid (all styles)
5	Black plastic (PP-copo)	Black PP Copolymer plastic slider (all styles)



DETAILED RESULTS:

Client's requirement, Bisphenol A content

Test Method: In-House Method
 Analytical Method: Gas Chromatography-Mass Spectrometer
 Liquid Chromatography-Mass Spectrometer (LC-MS)

Sample No.:	4	5	---	---	---	Client's limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Bisphenol A (BPA)	ND	ND	---	---	---	Not Detected
Conclusion	PASS	PASS	---	---	---	

Note:
 mg/kg=milligram per kilogram
 ND=Not Detected(Reporting limit = 1mg/kg)

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
4	Clear plastic (AS)	Clear AS plastic lid (all styles)
5	Black plastic (PP-copo)	Black PP Copolymer plastic slider (all styles)



DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.920	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours or total dissolved	3	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
5	Black plastic (PP-copo)	Black PP Copolymer plastic slider (all styles)



DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32, EN 13130-3:2004

Analytical Method: Headspace-Gas Chromatography

Acrylonitrile Monomers:

Specimen No.		4		Result	RL	Limit
Test Simulant	Test Condition		Temp.			
	3% Acetic acid extractive (mg/in ²)	120°F		2 hours	ND	0.001
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:

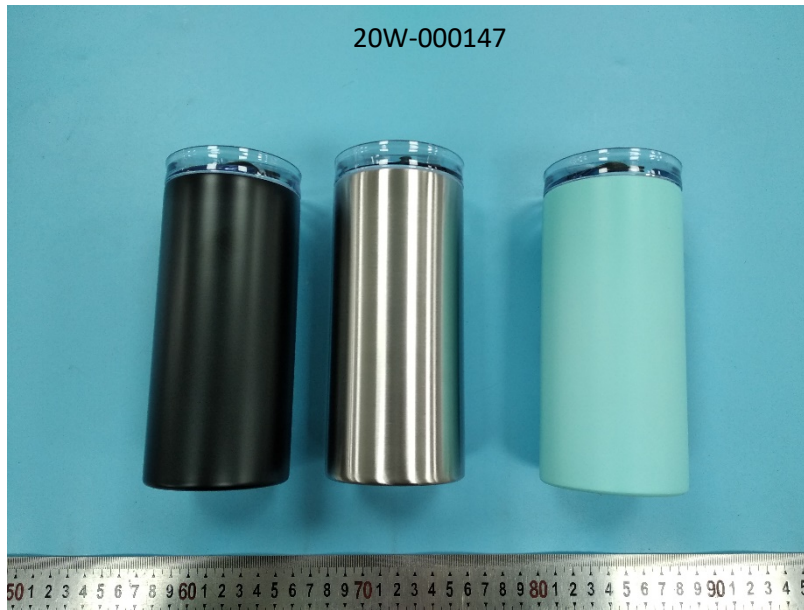
The specification is quoted from 21 CFR 181.32 (b) (3).

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
4	Clear plastic (AS)	Clear AS plastic lid (all styles)



SAMPLE PHOTO:



-End Report-

