





# **TEST REPORT**

Test Report # 17H-005428 Date of Report Issue: July 10, 2017
Date of Sample Received: July 3, 2017 Pages: Page 1 of 13

**CLIENT INFORMATION:** 

Company: BIC Graphic

Recipient: 14421 Myerlake Circle

Clearwater Florida 33760

United States (USA)

**SAMPLE INFORMATION:** 

Description: Stainless Deal Tumbler - 16oz

Assortment: - Purchase Order Number: 1459
Item No.: 45359 Country of Origin: China

Country of Distribution: United States, Canada Labeled Age Grade: -

Quantity Submitted: 6 pcs per style Recommended Age Grade: -

Testing Period: 07/03/2017 - 07/10/2017 Tested Age Grade: -

**OVERALL RESULT:** 

**PASS** 

Refer to page 2 for test result summary and appropriate notes.

ANSECO GROUP (HK) LIMITED



Loska Yeung Lok Ka Assistant Manager, Chemical Laboratory

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Test Report # 17H-005428 Pages: Page 2 of 13

#### **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 Metal / Plastic / Textile
PASS	Client's Requirement, Bisphenol A#
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets#
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers
PASS	Canadian Toys Regulations SOR/2011-17 as Amended by SOR/2016-195, Item 23 Total Lead and Mercury in Paints and Surface Coatings

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Test Report # 17H-005428 Pages: Page 3 of 13

#### **DETAILED RESULTS:**

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

Test Method: CPSC-CH-E-1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2a	4a				Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND				90
Conclusion	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.

# **SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
2a	Red coating	Red stainless steel exterior (red style)
4a	Blue coating	Blue stainless steel exterior (blue style)

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Test Report # 17H-005428 Pages: Page 4 of 13

#### **DETAILED RESULTS:**

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

Test Method: CPSC-CH-E-1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2a	4a				Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND				90
Conclusion	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
2a	Red coating	Red stainless steel exterior (red style)
4a	Blue coating	Blue stainless steel exterior (blue style)

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Test Report # 17H-005428 Pages: Page 5 of 13

#### **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	2b	3	4b	5	Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8			Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND	ND			100
Conclusion	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.

# Remark:

Specimen No. 3 (Silver stainless steel exterior (silver style)) is same material as Specimen No. 2b.

Specimen No. 4b (Blue stainless steel exterior (blue style)) is same material as Specimen No. 2b.

Specimen No. 5 (Black plastic rim & bottom (all styles)) is same material as Specimen No. 1.

Specimen No. 6 (Black PP homopolymer plastic lid (all styles)) is same material as Specimen No. 1.

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Test Report # 17H-005428 Pages: Page 6 of 13

# **SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Black plastic (PP-homo)	Black PP homopolymer plastic interior liner (all styles)
2b	Silvery metal	Red stainless steel exterior (red style)
3	Silvery metal	Silver stainless steel exterior (silver style)
4b	Silvery metal	Blue stainless steel exterior (blue style)
5	Black plastic (PP-homo)	Black plastic rim & bottom (all styles)
6	Black plastic (PP-homo)	Black PP homopolymer plastic lid (all styles)
7	Dull black plastic (ABS)	Black ABS plastic slider (all styles)
8	Translucent soft plastic (Silicone)	Silicone gasket (all styles)

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Test Report # 17H-005428 Pages: Page 7 of 13

# **DETAILED RESULTS:**

# Client's Requirement, Bisphenol A

Test Method: AI|ANSECO Method#

Analytical Method: Liquid Chromatography with Fluorescence Detection

Specimen No.		1	6	7		
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Bisphenol A (BPA)	80-05-7	ND	ND	ND		ND
Conclusion		PASS	PASS	PASS		

Note:

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

LT = Less than

ND = Not Detected (Reporting Limit = 1 ppm)

# Remark:

Specimen No. 6 (Black PP homopolymer plastic lid (all styles)) is same material as Specimen No. 1.

# **SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Black plastic (PP-homo)	Black PP homopolymer plastic interior liner (all styles)
6	Black plastic (PP-homo)	Black PP homopolymer plastic lid (all styles)
7	Dull black plastic (ABS)	Black ABS plastic slider (all styles)

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Test Report # 17H-005428 Pages: Page 8 of 13

# **DETAILED RESULTS:**

# FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No	8				
Tost Itam	Test Condition		Docul+	DI	Limait
Test Item	Temp.	Duration	Result	RL	Limit
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	110 minutes	ND	10	50
Conclusion	PASS				

Note:

Temp. = Temperature

°F = Degree Fahrenheit

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

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

#### Remark:

The specification is quoted from 21 CFR 177.1210 Table 2 Section 2.

# **SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
8	Translucent soft plastic (Silicone)	Silicone gasket (all styles)

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Test Report # 17H-005428 Pages: Page 9 of 13

# **DETAILED RESULTS:**

# FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No	1				
Test Item	Test Condition		Result	RL	Limit
rest item	Temp.	Duration	Result	KL	Limit
n-Hexane extractive (% w/w)	Reflux	2 hours	0.7	0.1	6.4
Xylene extractive (% w/w)	lene extractive (% w/w) 25°C 1 hour		1.7	0.5	9.8
Conclusion	PASS				

Specimen No	6				
Tost Itom	Test Condition		Daniel	DI	Limait
Test Item	Temp.	Duration	Result	RL	Limit
n-Hexane extractive (% w/w)	Reflux	2 hours	0.7	0.1	6.4
Xylene extractive (% w/w)	25°C 1 hour		1.7	0.5	9.8
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) 1.1.

# Remark:

By client's request, density and melting point are not conducted in FDA 21 CFR 177.1520 PP-homo.

Specimen No. 6 (Black PP homopolymer plastic lid (all styles)) is same material as Specimen No. 1.

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Test Report # 17H-005428 Pages: Page 10 of 13

# **SPECIMEN DESCRIPTION:**

Spe	ecimen No.	Specimen Description	Location
	1	Black plastic (PP-homo)	Black PP homopolymer plastic interior liner (all styles)
	6	Black plastic (PP-homo)	Black PP homopolymer plastic lid (all styles)

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Test Report # 17H-005428 Pages: Page 11 of 13

# **DETAILED RESULTS:**

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

Test Method: FDA 21 CFR 180.22 and 181.32

Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

# **Acrylonitrile Monomers:**

Specimen No	7				
Test Simulant	Test Condition		Docult.	RL	Limit
Test Simulant	Temp.	Duration	Result	KL	LIIIII
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F 2 hours		ND	0.001	0.003
Conclusion	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 181.32 (b) (3).

# **SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location	
7	Dull black plastic (ABS)	Black ABS plastic slider (all styles)	

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Test Report # 17H-005428 Pages: Page 12 of 13

# **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 F963-11 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2a	4a				Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND				90
Total Mercury (Hg)	ND	ND				10
Conclusion	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.

# **SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
2a	Red coating	Red stainless steel exterior (red style)
4a	Blue coating	Blue stainless steel exterior (blue style)

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Test Report # 17H-005428 Pages: Page 13 of 13

# **SAMPLE PHOTO:**



-End Report-

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