AT-1500

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

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

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)

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 Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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)

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.

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)

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)

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			8		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
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)

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**
	Temp.	Duration			
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		

Specimen No.			6		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
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.

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)

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		Result	**RL**	**Limit**
	Temp.	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
mg/in^2 = 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)

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)

SAMPLE PHOTO:

-End Report-