

TEST REPORT

Test Report # 16H-05189 Date of Report Issue: September 2, 2016
Date of Sample Received: August 26, 2016 Pages: Page 1 of 13

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description: Budget Mug - 11 oz. (colors)
Assortment: - Purchase Order Number: 7643
Item No.: 45140C Country of Origin: China
Country of Distribution: United States, Canada Labeled Age Grade: -
Quantity Submitted: 7 pcs per style Recommended Age Grade: -
Testing Period: 08/26/2016 – 09/02/2016 Tested Age Grade: -

OVERALL RESULT:



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

ANSECO GROUP (HK) LIMITED



Vincent Chow Wai Kit
Manager, Chemical Laboratory

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The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

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TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2011)
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1A	1B	1C	1D	1E	1F	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	330	330	330	330	330	330		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS		

Note:

mL = Millilitres

mg/L (Milligrams per litre) = ppm (Parts per million)

NA = Not applicable

LT = Less than

ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2011)
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2A	2B	2C	2D	2E	2F	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	330	330	330	330	330	330		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS		

Note:
 mL = Millilitres
 mg/L (Milligrams per litre) = ppm (Parts per million)
 NA = Not applicable
 LT = Less than
 ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2011)
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3A	3B	3C	3D	3E	3F	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	330	330	330	330	330	330		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS		

Note:

mL = Millilitres
 mg/L (Milligrams per litre) = ppm (Parts per million)
 NA = Not applicable
 LT = Less than
 ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2011)
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	4A	4B	4C	4D	4E	4F	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	330	330	330	330	330	330		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS		

Note:
 mL = Millilitres
 mg/L (Milligrams per litre) = ppm (Parts per million)
 NA = Not applicable
 LT = Less than
 ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2011)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	5A	5B	5C	5D	5E	5F	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	330	330	330	330	330	330		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS		

Note:

mL = Millilitres

mg/L (Milligrams per litre) = ppm (Parts per million)

NA = Not applicable

LT = Less than

ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2011)
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	6A	6B	6C	6D	6E	6F	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	330	330	330	330	330	330		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS		

Note:
 mL = Millilitres
 mg/L (Milligrams per litre) = ppm (Parts per million)
 NA = Not applicable
 LT = Less than
 ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2011)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7A	7B	7C	7D	7E	7F	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	330	330	330	330	330	330		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS		

Note:

mL = Millilitres

mg/L (Milligrams per litre) = ppm (Parts per million)

NA = Not applicable

LT = Less than

ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2011)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	8A	8B	8C	8D	8E	8F	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	330	330	330	330	330	330		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS		

Note:

mL = Millilitres

mg/L (Milligrams per litre) = ppm (Parts per million)

NA = Not applicable

LT = Less than

ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2011)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	9A	9B	9C	9D	9E	9F	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	330	330	330	330	330	330		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS		

Note:

mL = Millilitres

mg/L (Milligrams per litre) = ppm (Parts per million)

NA = Not applicable

LT = Less than

ND = Not detected (Reporting Limit: Pb = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black printed dull white ceramic	Black internal ceramic (black style)
2	Blue printed dull white ceramic	Royal internal ceramic (royal blue style)
3	Light blue printed dull white ceramic	Cobalt internal ceramic (cobalt style)
4	Yellow printed dull white ceramic	Yellow internal ceramic (yellow style)
5	Red printed dull white ceramic	Maroon internal ceramic (maroon style)
6	Light yellow printed dull white ceramic	Cream internal ceramic (cream style)
7	Purple printed dull white ceramic	Purple internal ceramic (purple style)
8	Green printed dull white ceramic	Dark green internal ceramic (dark green style)
9	Light green printed dull white ceramic	Lime internal ceramic (lime style)

SAMPLE PHOTO:



-End Report-