

## TEST REPORT

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

Test Report # 14H-02583  
Date of Issue: September 19, 2014  
Pages: Page 1 of 11  
Date Received: September 10, 2014

### SAMPLE INFORMATION:

Description: Cool Gear Shaker Bottle 24 oz.  
Assortment: - Purchase Order Number: 3929  
Item No.: 46041 Country of Origin: China  
Country of Distribution: United States, Canada Labeled Age Grade: -  
Sample Submitted: 8 pcs per style Recommended Age Grade: -  
Testing Period: 09/11/2014 – 09/19/2014 Tested Age Grade: -

### OVERALL RESULT:

**PASS**

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

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	Client's Requirement: Bisphenol A <sup>#</sup>
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers <sup>#</sup>
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers (Solvents Extractions Only)
PASS	FDA 21 CFR 177.2420, Polyester Resins, Cross-Linked <sup>#</sup>
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers <sup>#</sup>

ANSECO GROUP (HK) LIMITED



Vincent Chow Wai Kit  
Manager, Chemical Laboratory

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### DETAILED RESULTS:

#### California Proposition 65, Total Lead in Substrate Materials

Analysis performed by Inductively Coupled Plasma Optical Emission Spectrometry to determine compliance with the above referenced regulation. [Referenced Test Method: CPSC-CH-E1002-08.2 (Non-Metal)]

Specimen No.	1	2	3	4	5	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	ND	ND	ND	ND	100
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	10	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	ND	ND	ND	ND	100
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	---	---	---	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	ND	---	---	---	100
<b>Conclusion</b>	PASS	PASS	---	---	---	

*Note:*

Pb = Lead  
ppm = Parts per million = mg/kg (Milligrams per kilogram)  
ND = Not detected (Reporting Limit = 20ppm)

*Remark:*

The limit is quoted from client's requirement.

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### SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Dull black soft plastic	Black rubber bottle band (TPR) on bottle and lid (black style)
2	Dull blue soft plastic	Blue rubber bottle band (TPR) on bottle and lid (blue style)
3	Translucent plastic (PP-co)	Clear plastic cap (PP co-polymer) (all styles)
4	Dull black plastic (PP-co)	Black plastic cap with spout with clip (PP-co polymer) (all styles)
5	Clear plastic (Polyester)	Clear bottle (Tritan) (all styles)
6	Black plastic	Black shaker ball (ABS) (black style)
7	Blue plastic	Blue shaker ball (ABS) (blue style)
8	Black soft plastic (TPR)	Black rubber spout cover (TPR) (black style)
9	Blue soft plastic (TPR)	Blue rubber spout cover (TPR) (blue style)
10	Translucent soft plastic (Silicone)	Silicone gasket (all styles)
11	Bright black plastic	Black handle clip (black style)
12	Bright blue plastic	Blue handle clip (blue style)

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### DETAILED RESULTS:

#### California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)

Analysis performed by Gas Chromatography/Mass Spectrometry to determine compliance with the above referenced regulation. [Referenced Test Method: CPSC-CH-C1001-09.3]

Specimen No.	1	2	8	9	---	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
DBP	ND	ND	ND	ND	---	1000
BBP	ND	ND	ND	ND	---	1000
DEHP	ND	ND	ND	ND	---	1000
DINP	ND	ND	ND	ND	---	1000*
DIDP	ND	ND	ND	ND	---	1000
DnHP	ND	ND	ND	ND	---	1000
<b>Conclusion</b>	PASS	PASS	PASS	PASS	---	

*Note:*

DBP = Dibutyl phthalate; BBP = Benzyl butyl phthalate; DEHP = Di-(2-ethylhexyl) phthalate  
DINP = Diisononyl phthalate, DIDP = Diisodecyl phthalate; DnHP = Di-n-hexyl phthalate  
ppm = Parts per million) = 0.0001 % w/w (Percent by weight)  
ND = Not detected (Reporting Limit = 120ppm)

*Remark:*

\*DINP was added to the California Proposition 65 list on December 20, 2013. There is a one year exemption against taking legal action on all new chemicals added to the list therefore, no action can be taken regarding DINP until after December 20, 2014.

By client's request, selected components were conducted for this section.

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### SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Dull black soft plastic	Black rubber bottle band (TPR) on bottle and lid (black style)
2	Dull blue soft plastic	Blue rubber bottle band (TPR) on bottle and lid (blue style)
8	Black soft plastic (TPR)	Black rubber spout cover (TPR) (black style)
9	Blue soft plastic (TPR)	Blue rubber spout cover (TPR) (blue style)

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### DETAILED RESULTS:

#### Client's Requirement: Bisphenol A

Analysis performed by High Performance Liquid Chromatography with Fluorescence Detector to determine compliance with the above specification. [Referenced Test Method: ANSECO Method<sup>#</sup>]

Specimen No.	4	5	6	7	---	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A	ND	ND	ND	ND	---	ND
<b>Conclusion</b>	PASS	PASS	PASS	PASS	---	

*Note:*

mg/kg = Milligrams per kilogram  
ppm = Parts per million = mg/kg (Milligrams per kilogram)  
ND = Not Detected (Reporting limit = 1ppm)

*Remark:*

By client's request, selected components were conducted for this section.

### SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
4	Dull black plastic (PP-co)	Black plastic cap with spout with clip (PP-co polymer) (all styles)
5	Clear plastic (Polyester)	Clear bottle (Tritan) (all styles)
6	Black plastic	Black shaker ball (ABS) (black style)
7	Blue plastic	Blue shaker ball (ABS) (blue style)

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### DETAILED RESULTS:

#### FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1210#]

Specimen No.			8	9	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (ppm)	120°F	24 hours	ND	ND	50
Conclusion			PASS	PASS	

Specimen No.			10	---	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (ppm)	120°F	24 hours	ND	---	50
Conclusion			PASS	---	

*Note:*

ppm = part per million

°F = Degree Fahrenheit

ND = Not Detected (Reporting limit = 10ppm)

*Remark:*

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

### SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
8	Black soft plastic (TPR)	Black rubber spout cover (TPR) (black style)
9	Blue soft plastic (TPR)	Blue rubber spout cover (TPR) (blue style)
10	Translucent soft plastic (Silicone)	Silicone gasket (all styles)

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### DETAILED RESULTS:

#### FDA 21 CFR 177.1520, Polypropylene Copolymers (Solvents Extractions Only)

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1520]

Specimen No.			3	4	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
n-Hexane extractive (% w/w)	50 °C	2 hours	1.1	1.2	5.5
Xylene extractive (% w/w)	25 °C	1 hour	9.8	5.7	30
Conclusion			PASS	PASS	

*Note:*

°C = Degree Celsius

% w/w = Percent by weight

ND = Not Detected (Reporting limit = 1.0 % w/w)

*Remark:*

The specification is quoted from 21 CFR 177.1520 (c) 3.1a.

By client's request, density is not conducted in FDA 21 CFR 177.1520 PP(co).

### SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
3	Translucent plastic (PP-co)	Clear plastic cap (PP co-polymer) (all styles)
4	Dull black plastic (PP-co)	Black plastic cap with spout with clip (PP-co polymer) (all styles)

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### DETAILED RESULTS:

#### FDA 21 CFR 177.2420, Polyester Resins, Cross-Linked

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.2420#]

Specimen No.			5	---	
Test Item	Test Condition		Result	Result	Specification
	Temperature	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	120°F	24 hours	ND	---	<b>0.1</b>
<b>Conclusion</b>			PASS	---	

*Note:*

mg/in<sup>2</sup> = Milligram per square inch

°F = Degree Fahrenheit

ND = Not Detected (Reporting limit = 0.010 mg/in<sup>2</sup>)

*Remark:*

The specification is quoted from 21 CFR 177.2420 (c).

### SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
5	Clear plastic (Polyester)	Clear bottle (Tritan) (all styles)

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### DETAILED RESULTS:

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

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 180.22<sup>#</sup> and 181.32<sup>#</sup>]

#### Acrylonitrile Monomers:

Specimen No.			6	7	Specification
Test Item	Test Condition		Result	Result	
	Temperature	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	120°F	2 hours	ND	ND	0.003
3% Acetic acid extractive (mg/in <sup>2</sup> )	120°F	2 hours	ND	ND	0.003
Conclusion			PASS	PASS	

#### Note:

mg/in<sup>2</sup> = Milligram per square inch

°F = Degree Fahrenheit

ND = Not Detected (Reporting limit = 0.0010mg/in<sup>2</sup>)

#### Remark:

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

### SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
6	Black plastic	Black shaker ball (ABS) (black style)
7	Blue plastic	Blue shaker ball (ABS) (blue style)

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### SAMPLE PHOTO:



-End Report-

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