

# TEST REPORT

Test Report # 16H-07834 Date of Report Issue: April 12, 2017  
Date of Sample Received: April 5, 2017 Pages: Page 1 of 18

## CLIENT INFORMATION:

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



## SAMPLE INFORMATION:

Description: Color Grip Tumbler - 18 oz.  
Assortment: - Purchase Order Number: 7849  
Item No.: 45926 Country of Origin: China  
Country of Distribution: United States, Canada Labeled Age Grade: -  
Quantity Submitted: 3 pcs per style Recommended Age Grade: -  
Testing Period: 04/05/2017 – 04/12/2017 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  
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*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	California Proposition 65, Total Lead in Metal / Plastic / Textile
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 <sup>#</sup>
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers

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

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

Specimen No. 1 (Blue PP Copolymer plastic interior liner (blue style)) is same material as Specimen No. 11.

Specimen No. 2 (Orange PP Copolymer plastic interior liner (orange style)) is same material as Specimen No. 12.

Specimen No. 3 (Red PP Copolymer plastic interior liner (red style)) is same material as Specimen No. 13.

Specimen No. 4 (Green PP Copolymer plastic interior liner (green style)) is same material as Specimen No. 14.

**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.	11	12	13	14	15	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	<b>100</b>
<b>Conclusion</b>	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
1	Blue plastic (PP-co)	Blue PP Copolymer plastic interior liner (blue style)
2	Orange plastic (PP-co)	Orange PP Copolymer plastic interior liner (orange style)
3	Red plastic (PP-co)	Red PP Copolymer plastic interior liner (red style)
4	Green plastic (PP-co)	Green PP Copolymer plastic interior liner (green style)
5	Silvery metal	Stainless steel exterior (all styles)
6	Blue soft plastic	Blue rubber grips (blue style)
7	Orange soft plastic	Orange rubber grips (orange style)
8	Red soft plastic	Red rubber grips (red style)
9	Green soft plastic	Green rubber grips (green style)
10	Black plastic (PP-co)	Black PP Copolymer plastic lid (all styles)
11	Blue plastic (PP-co)	Blue PP Copolymer plastic slider (blue style)
12	Orange plastic (PP-co)	Orange PP Copolymer plastic slider (orange style)
13	Red plastic (PP-co)	Red PP Copolymer plastic slider (red style)
14	Green plastic (PP-co)	Green Copolymer PP plastic slider (green style)
15	Translucent soft plastic (Silicone)	Semi-transparent silicone gasket (all styles)
16	Black foam with adhesive	Black plastic foam bottom (all styles)

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**DETAILED RESULTS:**

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

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		6	7	8	9	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

*Note:*

ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 100 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

*Remark:*

The specification is quoted from client's requirement.

**DETAILED RESULTS:**

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

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		16	---	---	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	ND	---	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	---	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	---	---	---	1000
<b>Conclusion</b>		PASS	---	---	---	

*Note:*

ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 100 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
6	Blue soft plastic	Blue rubber grips (blue style)
7	Orange soft plastic	Orange rubber grips (orange style)
8	Red soft plastic	Red rubber grips (red style)
9	Green soft plastic	Green rubber grips (green style)
16	Black foam with adhesive	Black plastic foam bottom (all styles)



**DETAILED RESULTS:**

**Client's Requirement, Bisphenol A**

Test Method: AI | ANSECO Method#  
 Analytical Method: Liquid Chromatography with Fluorescence Detection

Specimen No.		1	2	3	4	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

Specimen No.		10	11	12	13	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

Specimen No.		14	---	---	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	---	---	---	ND
<b>Conclusion</b>		PASS	---	---	---	

*Note:*  
 ppm (Parts per million) = mg/kg (Milligrams per kilogram)  
 LT = Less than  
 ND = Not Detected (Reporting Limit = 1 ppm)

*Remark:*  
 Specimen No. 1 (Blue PP Copolymer plastic interior liner (blue style)) is same material as Specimen No. 11.  
 Specimen No. 2 (Orange PP Copolymer plastic interior liner (orange style)) is same material as Specimen No. 12.  
 Specimen No. 3 (Red PP Copolymer plastic interior liner (red style)) is same material as Specimen No. 13.  
 Specimen No. 4 (Green PP Copolymer plastic interior liner (green style)) is same material as Specimen No. 14.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Blue plastic (PP-co)	Blue PP Copolymer plastic interior liner (blue style)
2	Orange plastic (PP-co)	Orange PP Copolymer plastic interior liner (orange style)
3	Red plastic (PP-co)	Red PP Copolymer plastic interior liner (red style)
4	Green plastic (PP-co)	Green PP Copolymer plastic interior liner (green style)
10	Black plastic (PP-co)	Black PP Copolymer plastic lid (all styles)
11	Blue plastic (PP-co)	Blue PP Copolymer plastic slider (blue style)
12	Orange plastic (PP-co)	Orange PP Copolymer plastic slider (orange style)
13	Red plastic (PP-co)	Red PP Copolymer plastic slider (red style)
14	Green plastic (PP-co)	Green Copolymer PP plastic slider (green style)

**DETAILED RESULTS:**

**FDA 21 CFR 177.1210, Closures with Sealing Gaskets**

Test Method: FDA 21 CFR 177.1210<sup>#</sup>

Specimen No.		15		Result	RL	Limit
Test Item	Test Condition		ND			
	Temp.	Duration				
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	140 minutes	ND	<b>10</b>	<b>50</b>	
<b>Conclusion</b>			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
15	Translucent soft plastic (Silicone)	Semi-transparent silicone gasket (all styles)

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.4	<b>0.4</b>	<b>5.5</b>
Xylene extractive (% w/w)	25°C	1 hour	ND	<b>1</b>	<b>30</b>
<b>Conclusion</b>			PASS		

Specimen No.			2	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.6	<b>0.4</b>	<b>5.5</b>
Xylene extractive (% w/w)	25°C	1 hour	ND	<b>1</b>	<b>30</b>
<b>Conclusion</b>			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.

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

Specimen No. 1 (Blue PP Copolymer plastic interior liner (blue style)) is same material as Specimen No. 11.

Specimen No. 2 (Orange PP Copolymer plastic interior liner (orange style)) is same material as Specimen No.

12.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.4	<b>0.4</b>	<b>5.5</b>
Xylene extractive (% w/w)	25°C	1 hour	ND	<b>1</b>	<b>30</b>
<b>Conclusion</b>			PASS		

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.8	<b>0.4</b>	<b>5.5</b>
Xylene extractive (% w/w)	25°C	1 hour	ND	<b>1</b>	<b>30</b>
<b>Conclusion</b>			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.

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

Specimen No. 3 (Red PP Copolymer plastic interior liner (red style)) is same material as Specimen No. 13.

Specimen No. 4 (Green PP Copolymer plastic interior liner (green style)) is same material as Specimen No.

14.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			10	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.5	<b>0.4</b>	<b>5.5</b>
Xylene extractive (% w/w)	25°C	1 hour	ND	<b>1</b>	<b>30</b>
<b>Conclusion</b>			PASS		

Specimen No.			11	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.4	<b>0.4</b>	<b>5.5</b>
Xylene extractive (% w/w)	25°C	1 hour	ND	<b>1</b>	<b>30</b>
<b>Conclusion</b>			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.

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

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			12	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.6	<b>0.4</b>	<b>5.5</b>
Xylene extractive (% w/w)	25°C	1 hour	ND	<b>1</b>	<b>30</b>
<b>Conclusion</b>			PASS		

Specimen No.			13	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.4	<b>0.4</b>	<b>5.5</b>
Xylene extractive (% w/w)	25°C	1 hour	ND	<b>1</b>	<b>30</b>
<b>Conclusion</b>			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.

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

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			14	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.8	<b>0.4</b>	<b>5.5</b>
Xylene extractive (% w/w)	25°C	1 hour	ND	<b>1</b>	<b>30</b>
<b>Conclusion</b>			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.

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



**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Blue plastic (PP-co)	Blue PP Copolymer plastic interior liner (blue style)
2	Orange plastic (PP-co)	Orange PP Copolymer plastic interior liner (orange style)
3	Red plastic (PP-co)	Red PP Copolymer plastic interior liner (red style)
4	Green plastic (PP-co)	Green PP Copolymer plastic interior liner (green style)
10	Black plastic (PP-co)	Black PP Copolymer plastic lid (all styles)
11	Blue plastic (PP-co)	Blue PP Copolymer plastic slider (blue style)
12	Orange plastic (PP-co)	Orange PP Copolymer plastic slider (orange style)
13	Red plastic (PP-co)	Red PP Copolymer plastic slider (red style)
14	Green plastic (PP-co)	Green Copolymer PP plastic slider (green style)

**SAMPLE PHOTO:**



-End Report-