



TEST REPORT

Test Report # 17H-009489 Date of Report Issue: December 8, 2017
 Date of Sample Received: December 5, 2017 Pages: Page 1 of 14

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description: KOOZIE® Hartwell Vacuum Tumbler- 16 oz., KOOZIE® Hartwell Vacuum Tumbler- 20oz.
 Assortment: - Test Request Form No.: 1711
 Item No.: 46177, 46178 Country of Origin: China
 Shipment Order No.: PO 7043384, PO 7043516 Labeled Age Grade: -
 Country of Distribution: United States, Canada Recommended Age Grade: -
 Quantity Submitted: 5 pcs per style Tested Age Grade: -
 Testing Period: 12/05/2017 – 12/08/2017

OVERALL RESULT:



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 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 Copolymers
PASS	Canadian Toys Regulations SOR/2011-17 as Amended by SOR/2016-195 & SOR/2016-302, 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.	6a	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	90
Conclusion	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
6a	Black coating	Black stainless steel body (all styles)

**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.	6a	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	90
Conclusion	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
6a	Black coating	Black stainless steel body (all styles)

**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
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6b	7	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	---	---	---	100
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 No. 5 (Black PP copolymer plastic lid (all styles)) is same material as Specimen No. 1.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Black plastic (PP-co)	Black PP plastic slider (all black styles)
2	Green plastic (PP-co)	Green PP plastic slider (all green styles)
3	Blue plastic (PP-co)	Royal blue PP plastic slider (all blue styles)
4	Red plastic (PP-co)	Red PP plastic slider (all red styles)
5	Black plastic (PP-co)	Black PP copolymer plastic lid (all styles)
6b	Silvery metal	Black stainless steel body (all styles)
7	Translucent soft plastic (Silicone)	Semi-translucent 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	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
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		5	7	---	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	---	---	ND
Conclusion		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. 5 (Black PP copolymer plastic lid (all styles)) is same material as Specimen No. 1.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Black plastic (PP-co)	Black PP plastic slider (all black styles)
2	Green plastic (PP-co)	Green PP plastic slider (all green styles)
3	Blue plastic (PP-co)	Royal blue PP plastic slider (all blue styles)
4	Red plastic (PP-co)	Red PP plastic slider (all red styles)
5	Black plastic (PP-co)	Black PP copolymer plastic lid (all styles)
7	Translucent soft plastic (Silicone)	Semi-translucent silicone gasket (all styles)



DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210[#]

Specimen No.			7	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	120 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
7	Translucent soft plastic (Silicone)	Semi-translucent silicone gasket (all styles)

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**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			1		
Test Item	Test Condition		Result	RL	Limit
	Temp.	Duration			
n-Hexane extractive (% w/w)	50 °C	2 hours	1.6	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	1.7	1	30
Conclusion			PASS		

Specimen No.			2		
Test Item	Test Condition		Result	RL	Limit
	Temp.	Duration			
n-Hexane extractive (% w/w)	50 °C	2 hours	0.7	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	1.9	1	30
Conclusion			PASS		

Specimen No.			3		
Test Item	Test Condition		Result	RL	Limit
	Temp.	Duration			
n-Hexane extractive (% w/w)	50 °C	2 hours	0.7	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	2.0	1	30
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) 3.1a.

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

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50 °C	2 hours	2.0	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	5.1	1	30
Conclusion			PASS		

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
n-Hexane extractive (% w/w)	50 °C	2 hours	1.6	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	1.7	1	30
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) 3.1a.

Specimen No. 5 (Black PP copolymer plastic lid (all styles)) is same material as Specimen No. 1.

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

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Black plastic (PP-co)	Black PP plastic slider (all black styles)
2	Green plastic (PP-co)	Green PP plastic slider (all green styles)
3	Blue plastic (PP-co)	Royal blue PP plastic slider (all blue styles)
4	Red plastic (PP-co)	Red PP plastic slider (all red styles)
5	Black plastic (PP-co)	Black PP copolymer plastic lid (all styles)

**DETAILED RESULTS:****Canadian Toys Regulations SOR/2011-17 as Amended by SOR/2016-195 & SOR/2016-302, Item 23 Total Lead and Mercury in Paints and Surface Coatings**

Test Method: ASTM F963-16 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	6a	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	90
Total Mercury (Hg)	ND	---	---	---	---	10
Conclusion	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
6a	Black coating	Black stainless steel body (all styles)



Test Report #

17H-009489

Pages:

Page 14 of 14

SAMPLE PHOTO:



-End Report-

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