



TEST REPORT

Test Report # 18H-004269 Date of Report Issue: July 20, 2018
 Date of Sample Received: June 19, 2018 Pages: Page 1 of 14

CLIENT INFORMATION:

Company: Hit Promotional Products
 Recipient: Nathan Cotter
 Recipient Email: ncotter@hitpromo.net



SAMPLE INFORMATION:

Description:	Square Glass Container with Color Trim		
Assortment:	4 colors	Purchase Order Number:	258859
SKU No.:	2169	Agent:	Growth-Sonic
Factory No.:	127775	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	2 sets per style + 2 lots Parts	Recommended Age Grade:	-
Testing Period:	07/04/2018 – 07/20/2018	Tested Age Grade:	-

OVERALL RESULT:



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

ANSECO GROUP (HK) LIMITED

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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, Total Lead in Substrate Materials
PASS	CPSIA Section 101, Total Lead in Glass and Ceramic Materials [#]
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Lead in Glass and Ceramic Materials [#]
PASS	California Proposition 65 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment over 2,000 Pieces) – Interior
PASS	FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior
PASS	Client's Requirement, Bisphenol A and Bisphenol S [#]
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets [#]
PASS	FDA 21 CFR 177.1010, Acrylic and Modified Acrylic Plastics – Semi Rigid and Rigid [#]

**DETAILED RESULTS:****CPSIA Section 101, Total Lead in Substrate Materials**

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+6	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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 = 20 ppm)

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



DETAILED RESULTS:

CPSIA Section 101, Total Lead in Glass and Ceramic Materials

Test Method: In-House Method#
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
Conclusion	PASS	---	---	---	---	

Note:
 ppm (Parts per million) = mg/kg (Milligrams per kilogram)
 LT = Less than
 ND = Not detected (Reporting Limit = 20 ppm)
 Composite results are based on specimen of least mass resulting in highest potential concentration.

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**DETAILED RESULTS:****California Proposition 65, Total Lead in Substrate Materials**

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+6	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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 = 20 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, Total Lead in Glass and Ceramic Materials**Test Method: In-House Method[#]

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
Conclusion	PASS	---	---	---	---	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 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 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment over 2,000 Pieces) – Interior**

Test Method: ASTM C738-94(Reapproved 2011)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	8A	8B	8C	8D	8E	8F	8G
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)
Volume of acid used (mL)	750	750	750	750	750	750	750
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	8H	8I	8J	8K	8L	Average (mg/L)	Limit (mg/L)
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)		
Volume of acid used (mL)	750	750	750	750	750		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	0.049
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	0.100
Conclusion						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)
	Cups and Mugs (Average of 12)	0.049	0.100
	Flatware (Average of 12)	0.189	0.226
	Large Hollowware (Average of 12)	0.049	0.100
x	Small Hollowware (Average of 12)	0.049	0.100
	Pitchers (Average of 12)	0.049	0.100

**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)	750	750	750	750	750	750		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	2.0
Conclusion	PASS	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)
	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
x	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

**DETAILED RESULTS:****Client's Requirement, Bisphenol A and Bisphenol S**Test Method: In-House Method[#]

Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		1	3	4	5	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		6	---	---	---	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	
Bisphenol A (BPA)	80-05-7	ND	---	---	---	ND
Bisphenol S (BPS)	80-09-1	ND	---	---	---	ND
Conclusion		PASS	---	---	---	

Note:ppb (Parts per billion) = $\mu\text{g}/\text{kg}$ (Micrograms per kilogram)

NA = Not applicable

LT = Less than

ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

**DETAILED RESULTS:****FDA 21 CFR 177.1210, Closures with Sealing Gaskets**Test Method: FDA 21 CFR 177.1210[#]

Specimen No.			3	4	RL	Limit
Test Item	Test Condition		Result (ppm)	Result (ppm)		
	Temp.	Duration				
Distilled water extractive	212°F	30 minutes	ND	ND	10	50
n-Heptane extractive	120°F	30 minutes	14	21	10	250
Conclusion			PASS	PASS		

Specimen No.			5	6	RL	Limit
Test Item	Test Condition		Result (ppm)	Result (ppm)		
	Temp.	Duration				
Distilled water extractive	212°F	30 minutes	ND	ND	10	50
n-Heptane extractive	120°F	30 minutes	22	13	10	250
Conclusion			PASS	PASS		

Note:

Temp. = Temperature

°F = Degree Fahrenheit

ppm (Parts per million) = mg/kg (Milligrams per kilogram foodstuff)

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.

**DETAILED RESULTS:****FDA 21 CFR 177.1010, Acrylic and Modified Acrylic Plastics – Semi Rigid and Rigid**

Test Method: FDA 21 CFR 177.1010#
 Analytical Method: Ultraviolet-Visible Spectrophotometry

Total Non-volatile Extractives:

Specimen No.			1		
Test Item	Test Condition		Result	RL	Limit
	Temp.	Duration			
Distilled water extractive (mg/in ²)	212°F	30 minutes	ND	0.1	0.3
n-Heptane extractive (mg/in ²)	120°F	30 minutes	ND	0.1	0.3
Conclusion			PASS		

Absorbance of potassium permanganate oxidizable extractives:

Specimen No.			1		
Test Item	Test Condition		Result	RL	Limit
	Temp.	Duration			
Absorbance in distilled water	212°F	30 minutes	ND	0.015	0.15
Conclusion			PASS		

Absorbance of ultraviolet absorbing extractives:

Specimen No.			1		
Test Item	Test Condition		Result	RL	Limit
	Temp.	Duration			
Absorbance in distilled water	212°F	30 minutes	ND	0.03	0.30
Absorbance in n-Heptane	120°F	30 minutes	ND	0.01	0.10
Conclusion			PASS		

Note:

°F = Degree Fahrenheit

mg/in² = 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 177.1010 (b).

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**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Clear plastic (MS)	Lid (all styles)
2	White plastic	Lock (all styles)
3	Blue soft plastic (Silica)	Gasket (blue style)
4	Red soft plastic (Silica)	Gasket (red style)
5	Green soft plastic (Silica)	Gasket (green style)
6	White soft plastic (Silica)	Gasket (white style)
7	Transparent glass	Container (all styles)
8	Transparent glass	Interior of container (all styles)



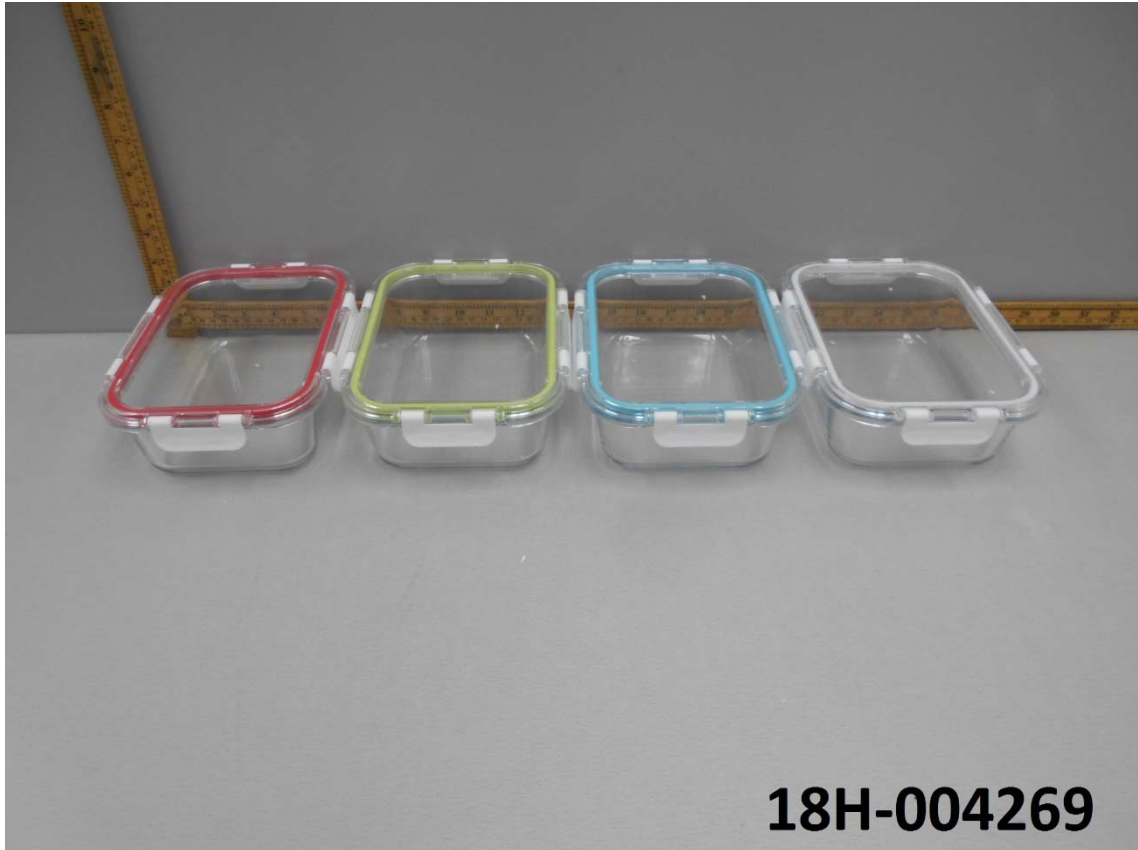
Test Report #

18H-004269

Pages:

Page 14 of 14

SAMPLE PHOTO:



-End Report-

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