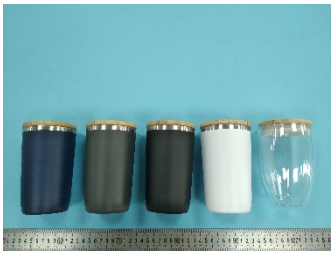
QIMA
YOUR EYES IN THE SUPPLY CHAIN

TEST REPORT

Test Report #	21W-007386	Date of Report Issue:	May 31, 2021
Date of Sample Received:	May 18, 2021	Pages:	Page 1 of 18

CLIENT INFORMATION:

Company:	Polyconcept GBS
Recipient:	kathy lu
Recipient Email:	kathy.lu@polyconceptgbs.com



SAMPLE INFORMATION:

Description:	Copper Vacuum Tumbler w/ Bamboo lid 14oz, DW Glass cup w/ Bamboo lid 12oz		
Article No.:	1600-21WH/BK/NY/GY, 1600-22CL	Purchase Order Number:	1905004/1905006/ 1905002/1905000, 1904996
Factory No.:	13756	Toy Co./Agency:	-
Vendor No.:	11104	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 styles	Requested Age Grade:	-
Testing Period:	05/19/2021-05/28/2021	Tested Age Grade:	-

OVERALL RESULT: PASS

Please refer to the following pages for test result summary and appropriate notes.

QIMA (HANGZHOU) TESTING CO., LTD.

Vicky Yu
Chemical Laboratory Supervisor

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.
If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.

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 Substrate Materials
PASS	Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead in Paints and Surface Coatings
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	Client's requirement, Bisphenol A content
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	Client's Requirement, Leachable Cadmium and Lead in metal
PASS	Canadian Glazed Ceramics and Glassware Regulations SOR/2016-175, Leachable Lead and Cadmium from Ceramics and Glassware – Interior
PASS	California Proposition 65 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment over 2,000 Pieces) – Interior
PASS	FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets

DETAILED RESULTS:

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+5	6+7+9	---	---	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	---	---	---	**90**
Conclusion	PASS	PASS	---	---	---	

Note:
mg/kg =Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit = 15 mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

California Proposition 65, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+5	6+7+9	---	---	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	---	---	---	**90**
Conclusion	PASS	PASS	---	---	---	

Note:
mg/kg =Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit = 15mg/kg)
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 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.	2	4	8	14	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	ND	---	**100**
Conclusion	PASS	PASS	PASS	PASS	---	

Note:
mg/kg =Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit =15 mg/kg)

Remark:
The specification is quoted from client's requirement.

DETAILED RESULTS:

Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead in Paints and Surface Coatings

Test Method: ASTM F963-17 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+5	6+7+9	---	---	---	**Total Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	---	---	---	**90**
Conclusion	PASS	PASS	---	---	---	

Note:
mg/kg=Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit: Pb=15 mg/kg; Hg = 10 mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

Test Method: ASTM F963-17 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	4	8	14	---	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	---	---	**90**
Conclusion	PASS	PASS	PASS	---	---	

Note:
mg/kg=Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 15 mg/kg)

DETAILED RESULTS:

Client's requirement, Bisphenol A content

Test Method: In-House Method
Analytical Method: Gas Chromatography-Mass Spectrometer
Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.		8	---	---	---	**Client's limit (mg/kg)**
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Bisphenol A (BPA)	80-05-7	ND	---	---	---	**Not Detected**
Conclusion		PASS	---	---	---	

Note:
mg/kg=milligram per kilogram
ND=Not Detected(Reporting limit = 1.0mg/kg)

DETAILED RESULTS:

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

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		3+5	6+7+9	8	---	**Limit (mg/kg)**
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	---	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	**1000**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	**1000**
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	---	**1000**
Conclusion		PASS	PASS	PASS	---	

Note:
mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 150 mg/kg)
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:

Client's Requirement, Leachable Lead and Cadmium from Food Contact Articles – Lip and Rim

Test Method: ASTM C927-80(Reapproved 2019)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	10-A	10-B	10-C	10-D	10-E	10-F	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)	300	300	300	300	300	300		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	**4.0**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	**0.4**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11-A	11-B	11-C	11-D	11-E	11-F	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)	300	300	300	300	300	300		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	**4.0**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	**0.4**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	

Note:
mL = Millilitres
NA = Not applicable
LT = Less than
ND = Not detected (Reporting Limit: Pb=0.2 mg/L, Cd=0.02 mg/L)

Remark:
The limit is quoted from Society of Glass & Ceramic Decorated Products.

DETAILED RESULTS:

Client's Requirement, Leachable Lead and Cadmium from Food Contact Articles – Lip and Rim

Test Method: ASTM C927-80(Reapproved 2019)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	12-A	12-B	12-C	12-D	12-E	12-F	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)	300	300	300	300	300	300		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	**4.0**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	**0.4**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	

Specimen No.	13-A	13-B	13-C	13-D	13-E	13-F	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)	300	300	300	300	300	300		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	**4.0**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	**0.4**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	

Note:
mL = Millilitres
NA = Not applicable
LT = Less than
ND = Not detected (Reporting Limit: Pb=0.2 mg/L, Cd=0.02 mg/L)

Remark:
The limit is quoted from Society of Glass & Ceramic Decorated Products.

DETAILED RESULTS:

Canadian Glazed Ceramics and Glassware Regulations SOR/2016-175, Leachable Lead and Cadmium from Ceramics and Glassware – Interior

Test Method: ISO 6486-1:2019
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1-A	1-B	1-C	1-D	1-E	1-F	**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)	420	420	420	420	420	420	
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	**0.5**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	**0.50**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	

Note:
mL = Millilitres
mg/L (Milligrams per litre) = ppm (Parts per million)
LT = Less than
ND = Not detected (Reporting Limit: Pb = 0.2mg/L; Cd = 0.02 mg/L)

	Category		Leachable Pb (mg/L)	Leachable Cd (mg/L)
X	Cups and Mugs	(Any of 6)	**0.5**	**0.50**
	Flatware	(Any of 6)	**3.0**	**0.50**
	Large Hollowware	(Any of 6)	**1.0**	**0.25**
	Small Hollowware	(Any of 6)	**2.0**	**0.50**
	Pitchers	(Any of 6)	**0.5**	**0.25**

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 2016)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1-A	1-B	1-C	1-D	1-E	1-F	1-G
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)	420	420	420	420	420	420	420
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	1-H	1-I	1-J	1-K	1-L	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)	420	420	420	420	420		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	**0.100**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	**0.049**
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 = 0.1 mg/L; Cd = 0.02 mg/L)

Category			Leachable Pb (mg/L)	Leachable Cd (mg/L)
X	Cups and Mugs	(Average of 12)	**0.100**	**0.049**
	Flatware	(Average of 12)	**0.226**	**0.189**
	Large Hollowware	(Average of 12)	**0.100**	**0.049**
	Small Hollowware	(Average of 12)	**0.100**	**0.049**
	Pitchers	(Average of 12)	**0.100**	**0.049**

DETAILED RESULTS:

FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers

Test Method: SN/T 2718-2010
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	14	---	---	---	---	**Limit (% m/m)**
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	
Total Chromium (Cr)	18.15	---	---	---	---	**GT 16**
Conclusion	PASS	---	---	---	---	

Note:
% m/m = Percent by mass
GT = Greater than

Remark:
The limit is quoted from ANSI/NSF 51-1997 Section 7.1.2.

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210

Specimen No.			8	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/kg)	Fill boiling	Cooling to 100°F	ND	**10**	**50**
n-Heptane extractive (mg/kg)	120°F	0.25h	40	**10**	**50**
8% Ethanol extractive (mg/kg)	Fill boiling	Cooling to 100°F	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).

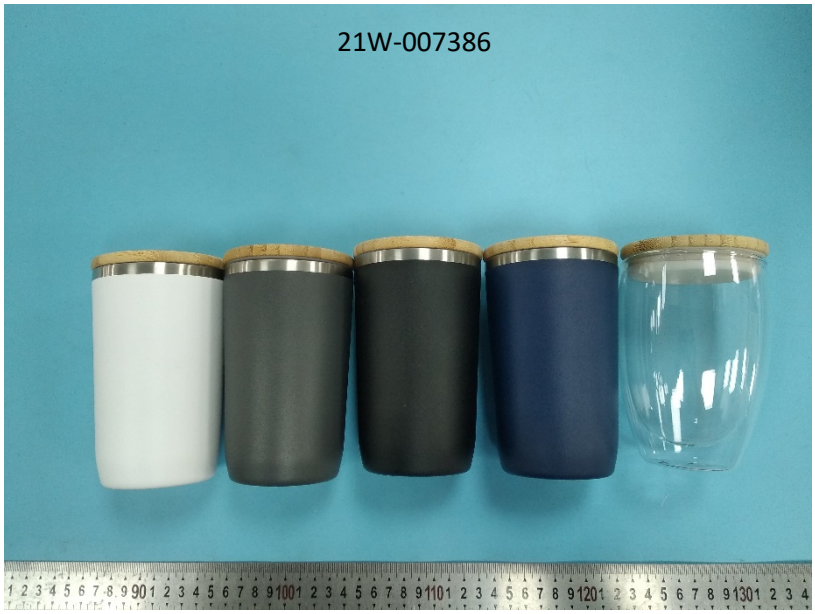
Remark:
The specification is quoted from 21 CFR 177.1210 Table 2 Section 3.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Transparent glass	Interior (transparent style)
2	Transparent glass	Main body (transparent style)
3	Dark blue coating	Main body (dark blue style)
4	Silvery metal	Main body (dark blue style)
5	Grey coating	Main body (grey style)
6	Black coating	Main body (black style)
7	White coating	Main body (white style)
8	Translucent soft plastic	Gasket (black style)
9	Transparent lacquer	Lid (black style)
10	Dark blue coated silvery metal	Lip (dark blue style)
11	Grey coated silvery metal	Lip (grey style)
12	Black coated silvery metal	Lip (black style)
13	White coated silvery metal	Lip (white style)
14	Silvery metal	Interior (white style)

SAMPLE PHOTO:

SAMPLE PHOTO:



-End Report-