TEST REPORT

Test Report #	23W-005923	Date of Report Issue:	May 22, 2023
Date of Sample Received:	May 5, 2023	Pages:	Page 1 of 16

CLIENT INFORMATION:

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

SAMPLE INFORMATION:

Description:	Field & Co Stoneware Mug 12oz		
Article No.:	1601-08BK,GY	Purchase Order Number:	2029858 2029855
Factory No.:	13247	Toy Co./Agency:	-
Vendor No.:	11612	Country of Origin:	China
Country of Distribution:	Canada, United States	Labeled Age Grade:	-
Quantity Submitted:	26PCS PER STYLE	Requested Age Grade:	-
Testing Period:	05/12/2023-05/22/2023	Tested Age Grade:	-

OVERALL RESULT: **PASS**

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

QIMA (HANGZHOU) TESTING CO., LTD.

Ada Guo

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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 (https://www.qima.com/conditions-of-service#decisionRule).

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 Substrate Materials
PASS	California Proposition 65, Lead and Cadmium – External Decoration
PASS	FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior
PASS	California Proposition 65, Leachable Lead and Cadmium from Food Contact Articles – Interior
PASS	California Proposition 65, Leachable Lead and Cadmium from Food Contact Articles (Lip and rim area)
PASS	Client's Requirement, Leachable Lead and Cadmium from Food Contact Articles – Lip and Rim
PASS	Canadian Glazed Ceramics and Glassware Regulations SOR/2016-175, Leachable Lead and Cadmium from Ceramics and Glassware – Interior
PASS	Canadian Glazed Ceramics and Glassware Regulations SOR/2016-175, Leachable Lead and Cadmium from Ceramics and Glassware – Lip and Rim
PASS	19 CFR 134.11, Country of Origin
PASS	Client-Performance Requirement-Thermal Shock

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 (https://www.qima.com/conditions-of-service#decisionRule).

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	---	---	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	53	44	---	---	---	**100**
Conclusion	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:

California Proposition 65, Lead and Cadmium – External Decoration

Test Method: NIOSH Method 9100
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry/Inductively Coupled Plasma-Mass Spectrometry

Specimen No.	3	4	---	---	---	**Limit (µg/article)**
Test Item	Result (µg/article)	Result (µg/article)	Result (µg/article)	Result (µg/article)	Result (µg/article)	
Lead (Pb)	ND	ND	---	---	---	**1.0**
Cadmium (Cd)	ND	ND	---	---	---	**4.0**
Conclusion	PASS	PASS	---	---	---	

Note:
µg/article = Micrograms per article
LT = Less than
ND = Not detected (Reporting Limit = 0.4 µg/article)

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2020)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7-A	7-B	7-C	7-D	7-E	7-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)	350	350	350	350	350	350		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	**0.5**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	**0.5**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	NA	

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	(Any of 6)	0.5	0.5
	Flatware	(Average of 6)	3.0	0.5
	Large Hollowware	(Any of 6)	1.0	0.25
	Small Hollowware	(Any of 6)	2.0	0.5
	Pitchers	(Any of 6)	0.5	0.25

DETAILED RESULTS:

FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior

Test Method: ASTM C738-94(Reapproved 2020)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	8-A	8-B	8-C	8-D	8-E	8-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)	350	350	350	350	350	350		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	**0.5**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	**0.5**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	NA	

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	(Any of 6)	0.5	0.5
	Flatware	(Average of 6)	3.0	0.5
	Large Hollowware	(Any of 6)	1.0	0.25
	Small Hollowware	(Any of 6)	2.0	0.5
	Pitchers	(Any of 6)	0.5	0.25

DETAILED RESULTS:

California Proposition 65, Leachable Lead and Cadmium from Food Contact Articles – Interior

Test Method: ASTM C738-94(Reapproved 2020)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7-A	7-B	7-C	7-D	7-E	7-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)	350	350	350	350	350	350		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	**0.100**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	**0.189**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	NA	

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	(Any of 6)	**0.100**	**0.189**
	Flatware	(Average of 6)	**0.226**	**0.5**
	Large Hollowware	(Any of 6)	**0.100**	**0.049**
	Small Hollowware	(Any of 6)	**0.100**	**0.189**
	Pitchers	(Any of 6)	**0.100**	**0.049**

DETAILED RESULTS:

California Proposition 65, Leachable Lead and Cadmium from Food Contact Articles – Interior

Test Method: ASTM C738-94(Reapproved 2020)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	8-A	8-B	8-C	8-D	8-E	8-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)	350	350	350	350	350	350		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	**0.100**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	**0.189**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	NA	

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	(Any of 6)	**0.100**	**0.189**
	Flatware	(Average of 6)	**0.226**	**0.5**
	Large Hollowware	(Any of 6)	**0.100**	**0.049**
	Small Hollowware	(Any of 6)	**0.100**	**0.189**
	Pitchers	(Any of 6)	**0.100**	**0.049**

DETAILED RESULTS:

California Proposition 65, Leachable Lead and Cadmium from Food Contact Articles (Lip and rim area)

Test Method: ASTM C 927-80 (Reapproved 2019)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	5-A	5-B	5-C	5-D	5-E	5-F	
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	**Limit (mg/L)**
Volume of acid used (mL)	300	300	300	300	300	300	
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	**0.5**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	**2.0**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6-A	6-B	6-C	6-D	6-E	6-F	
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	**Limit (mg/L)**
Volume of acid used (mL)	300	300	300	300	300	300	
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	**0.5**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	**2.0**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	

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

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.	5-A	5-B	5-C	5-D	5-E	5-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	NA	**4.0**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	**0.4**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	NA	

Specimen No.	6-A	6-B	6-C	6-D	6-E	6-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	NA	**4.0**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	**0.4**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	NA	

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.	7-A	7-B	7-C	7-D	7-E	7-F	
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	**Limit (mg/L)**
Volume of acid used (mL)	350	350	350	350	350	350	
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:

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.	8-A	8-B	8-C	8-D	8-E	8-F	
Test Item	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)	**Limit (mg/L)**
Volume of acid used (mL)	350	350	350	350	350	350	
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:

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

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

Specimen No.	5-A	5-B	5-C	5-D	5-E	5-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)	300	300	300	300	300	300	
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	**4.0**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	**0.4**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6-A	6-B	6-C	6-D	6-E	6-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)	300	300	300	300	300	300	
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	**4.0**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	**0.4**
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	

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

DETAILED RESULTS:

19 CFR 134.11, Country of Origin

Test	Observation	Conclusion
Country of Origin	Present on packaging and can be read easily by consumer at the point of sale	PASS

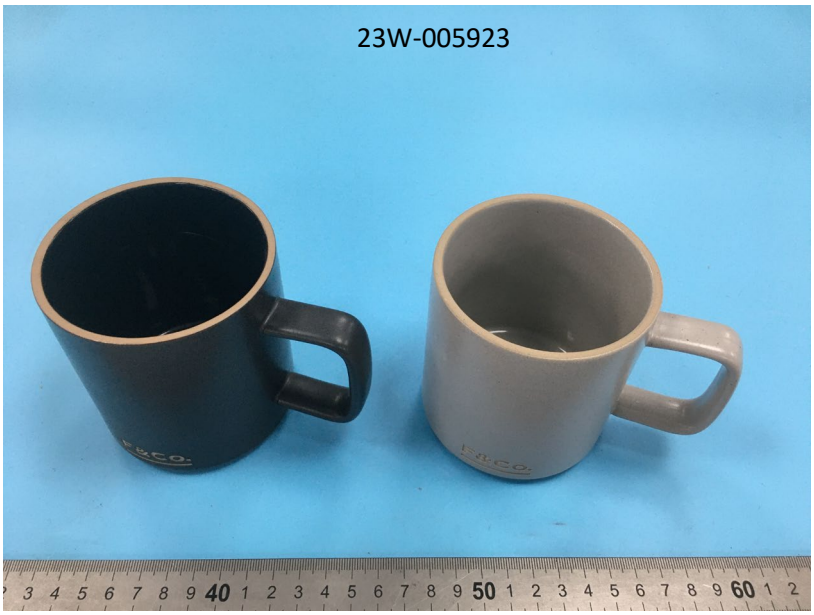
Client-Performance Requirement-Thermal Shock

Test	Test Method	Observation	Conclusion
Thermal Shock	Product shall not crack or shatter after being subjected to extreme temperature change: Ceramic mugs & dinnerware: 212°F to 68°F	Cracking, broken wasn't happened when test from high temperature to low temperature test conditions.	PASS

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black/bright black printed dark beige stoneware	Main body (1601-08BK)
2	Grey/bright grey printed dark beige stoneware	Main body (1601-08GY)
3	Black printed dark beige stoneware	Exterior (1601-08BK)
4	Grey printed dark beige stoneware	Exterior (1601-08GY)
5	Black/bright black printed dark beige stoneware	Lip (1601-08BK)
6	Grey/bright grey printed dark beige stoneware	Lip (1601-08GY)
7	Bright black printed dark beige stoneware	Interior (1601-08BK)
8	Bright grey printed dark beige stoneware	Interior (1601-08GY)

SAMPLE PHOTO:



-End Report-