

TEST REPORT

Test Report # 22W-013538 Date of Report Issue: September 19, 2022
Date of Sample Received: August 23, 2022 Pages: Page 1 of 14

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description: Dimple Double Wall Ceramic Cup 10oz
Article No.: 1600-73WH/BK/NY Purchase Order Number: PO#1990164 -1600-73BK PO#1990162 -1600-73WH PO#1990160 -1600-73NY
Factory No.: 13247 Toy Co./Agency: -
Vendor No.: 11612 Country of Origin: China
Country of Distribution: United States Labeled Age Grade: -
Quantity Submitted: 3 styles Requested Age Grade: -
Testing Period: 08/23/2022-09/01/2022, 09/08/2022-09/16/2022 Tested Age Grade: -

OVERALL RESULT:

PASS

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

QIMA (HANGZHOU) TESTING CO., LTD.



Jeremy Xu
Chemical Laboratory Supervisor



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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 Substrate Materials
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	California Proposition 65 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment over 2,000 Pieces) – Interior
PASS	California Proposition 65 Case No. CGC-04-436729, Leachable Lead and Cadmium from Food Contact Articles (Lip and rim area)
PASS	FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior
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



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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	8	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	53	67	37	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.



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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.	8	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	90
Conclusion	PASS	---	---	---	---	

Note:

mg/kg=Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)



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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.	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	---	---	---
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	---
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	---
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	---
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	---
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	---	---	---
Conclusion	PASS	---	---	---	---

Note:

mg/kg (Milligrams per kilogram) = 0.0001 % w/w (Percent by weight)

LT = Less than

ND = Not detected (Reporting Limit = 150 mg/kg)

Remark:

The specification is quoted from client's requirement.



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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 2020)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	4-A	4-B	4-C	4-D	4-E	4-F	4-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)	300	300	300	300	300	300	300
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	4-H	4-I	4-J	4-K	4-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)	300	300	300	300	300		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	0.100
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	0.049
Conclusion						PASS	



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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



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DETAILED RESULTS:

California Proposition 65 Case No. CGC-04-436729, 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	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	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	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	0.5
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	2.0
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	

Specimen No.	7-A	7-B	7-C	7-D	7-E	7-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	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)



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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.	4-A	4-B	4-C	4-D	4-E	4-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	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 = 0.2 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



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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.	4-A	4-B	4-C	4-D	4-E	4-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	0.5
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	0.5
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



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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	

Specimen No.	7-A	7-B	7-C	7-D	7-E	7-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)



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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black/white printed white ceramic	Main body (white style)
2	Black/white printed white ceramic	Main body (black style)
3	Dark blue printed white ceramic	Main body (dark blue style)
4	White ceramic	Interior (white style)
5	White printed white ceramic	Lip (white style)
6	Black printed white ceramic	Lip (black style)
7	Dark blue printed white ceramic	Lip (dark blue style)
8	White soft plastic	Bottom plug (white style)



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SAMPLE PHOTO:



-End Report-



RC-CSHZ-R079

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