

Test report

23W-016190



Verify Report

Overall result

PASS

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

Client information

Client: Polyconcept GBS
Address: 4th Floor, Hongqiao Rongguang Building,
11 Changshun Road, Changning District,
Shanghai, 200051, PRC



Sample information

Description: Riviera Electric 11oz Ceramic Mug/ Constellation 12oz Ceramic Mug/Angus 12oz Ceramic Mug/ Bounty Spirit 11oz Ceramic Mug/ Zapata 15oz Ceramic Mug

Article no.: SM-6330BKLG/BKWH/BKOR SM-6303WH SM-6943 BK/NY SM-6321BK/RE SM-6306BK

Factory no: 12331

Purchase order #: M000037146/M000037148/
M000036192/ M000036092/
M000037325/M000037324/
M000037144 M000037145 /
M000036196

Vendor no.: 11236

Country of origin: China

Country of distribution: Canada, United States

Quantity submitted: 12 pcs per style

Toy Co./agency: -

Labeled age grade: -

Requested age grade: -

Tested age grade: -

General information

Sample receipt date: 15-Nov-2023

Report date: 28-Nov-2023

Testing period: 20-Nov-2023 to 28-Nov-2023

QIMA (Hangzhou) Testing Co., Ltd.

Ada Guo

Ada Guo

Physical Laboratory Leader

QIMA (Hangzhou) Testing Co., Ltd.

Jeremy Xu

Jeremy Xu

Chemical Laboratory Supervisor



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Room 401 4-5/F, Building 1, No.1213 Huoju South Road,
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Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
California Proposition 65, Total Lead in Substrate Materials	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 (Lip and rim area)	PASS
California Proposition 65 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment over 2,000 Pieces) – Interior	PASS
Canadian Glazed Ceramics and Glassware Regulations SOR/2016-175, Leachable Lead and Cadmium from Ceramics and Glassware – Lip and Rim	PASS
Canadian Glazed Ceramics and Glassware Regulations SOR/2016-175, Leachable Lead and Cadmium from Ceramics and Glassware – Interior	PASS
Client's Requirement, Leachable Lead and Cadmium from Food Contact Articles – Lip and Rim	PASS
Client-Performance Requirement-Thermal Shock	PASS
19 CFR 134.11- Country of Origin-Labeling Review	PASS





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.	9	10	11	12	13	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	28	ND	29	28	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	14	15	16	17	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	28	26	25	30	---	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

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.	1-A	1-B	1-C	1-D	1-E	1-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)	360	360	360	360	360	360		
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	

Specimen No.	2-A	2-B	2-C	2-D	2-E	2-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 = 0.2 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

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.	3-A	3-B	3-C	3-D	3-E	3-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)	340	340	340	340	340	340		
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	

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)	360	360	360	360	360	360		
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

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.	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)	390	390	390	390	390	390		
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	

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)	470	470	470	470	470	470		
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

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)	390	390	390	390	390	390		
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	

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)	390	390	390	390	390	390		
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





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.	18-A	18-B	18-C	18-D	18-E	18-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.	19-A	19-B	19-C	19-D	19-E	19-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.	20-A	20-B	20-C	20-D	20-E	20-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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Room 401 4-5/F, Building 1, No.1213 Huoju South Road,
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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.	21-A	21-B	21-C	21-D	21-E	21-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.	22-A	22-B	22-C	22-D	22-E	22-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

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.	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)	360	360	360	360	360	360	360
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)	360	360	360	360	360		
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



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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.	2-A	2-B	2-C	2-D	2-E	2-F	2-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)	350	350	350	350	350	350	350
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	2-H	2-I	2-J	2-K	2-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)	350	350	350	350	350		
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



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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.	3-A	3-B	3-C	3-D	3-E	3-F	3-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)	340	340	340	340	340	340	340
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	3-H	3-I	3-J	3-K	3-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)	340	340	340	340	340		
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



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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)	360	360	360	360	360	360	360
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)	360	360	360	360	360		
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



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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.	5-A	5-B	5-C	5-D	5-E	5-F	5-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)	390	390	390	390	390	390	390
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	5-H	5-I	5-J	5-K	5-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)	390	390	390	390	390		
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



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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.	6-A	6-B	6-C	6-D	6-E	6-F	6-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)	470	470	470	470	470	470	470
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	6-H	6-I	6-J	6-K	6-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)	470	470	470	470	470		
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



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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.	7-A	7-B	7-C	7-D	7-E	7-F	7-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)	390	390	390	390	390	390	390
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	7-H	7-I	7-J	7-K	7-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)	390	390	390	390	390		
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



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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.	8-A	8-B	8-C	8-D	8-E	8-F	8-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)	390	390	390	390	390	390	390
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Conclusion							

Specimen No.	8-H	8-I	8-J	8-K	8-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)	390	390	390	390	390		
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



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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.	18-A	18-B	18-C	18-D	18-E	18-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	
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	0.4
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	

Specimen No.	19-A	19-B	19-C	19-D	19-E	19-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	
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	0.4
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	

Specimen No.	20-A	20-B	20-C	20-D	20-E	20-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	
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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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.	21-A	21-B	21-C	21-D	21-E	21-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.	22-A	22-B	22-C	22-D	22-E	22-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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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)	360	360	360	360	360	360	
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	

Specimen No.	2-A	2-B	2-C	2-D	2-E	2-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)	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



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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.	3-A	3-B	3-C	3-D	3-E	3-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)	340	340	340	340	340	340	
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	

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)	360	360	360	360	360	360	
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



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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.	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)	390	390	390	390	390	390	
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	

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)	470	470	470	470	470	470	
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



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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.	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)	390	390	390	390	390	390	
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	

Specimen No.	8-A	8-B	8-C	8-D	8-E	8-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)	390	390	390	390	390	390	
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



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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.	18-A	18-B	18-C	18-D	18-E	18-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.	19-A	19-B	19-C	19-D	19-E	19-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.	20-A	20-B	20-C	20-D	20-E	20-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.



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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.	21-A	21-B	21-C	21-D	21-E	21-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.	22-A	22-B	22-C	22-D	22-E	22-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.



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Detailed results

Client-Performance Requirement-Thermal Shock

Test Method: ASTM C149-86-Modified

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

19 CFR 134.11- Country of Origin-Labeling Review

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



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QIMA (Hangzhou) Testing Co., Ltd.
Room 401 4-5/F, Building 1, No.1213 Huoju South Road,
Puyao Subdistrict, Binjiang District, Hangzhou, China

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Specimen description

Specimen #	Specimen description	Location
1	Bright white printed white ceramic	Interior (SM-6330BKWH)
2	Light lime printed white ceramic	Interior (SM-6330BKLG)
3	Orange printed white ceramic	Interior (SM-6330BKOR)
4	White printed beige ceramic	Interior (SM-6321RE/SM-6321BK)
5	White printed beige ceramic	Interior (SM-6303WH)
6	Black printed white ceramic	Interior (SM-6306BK)
7	Navy printed beige ceramic	Interior (SM-6943NY)
8	Black printed beige ceramic	Interior (SM-6943BK)
9	Bright white/black printed white ceramic	Main body (SM-6330BKWH)
10	Light lime/black printed white ceramic	Main body (SM-6330BKLG)
11	Orange/black printed white ceramic	Main body (SM-6330BKOR)
12	White/red printed beige ceramic	Main body (SM-6321RE)
13	White/black printed beige ceramic	Main body (SM-6321BK)
14	White printed beige ceramic	Main body (SM-6303WH)
15	Black printed white ceramic	Main body (SM-6306BK)
16	Navy printed beige ceramic	Main body (SM-6943NY)
17	Black printed beige ceramic	Main body (SM-6943BK)
18	Bright white/black printed white ceramic	Lip (SM-6330BKWH)
19	Light lime/black printed white ceramic	Lip (SM-6330BKLG)
20	Orange/black printed white ceramic	Lip (SM-6330BKOR)
21	White/red printed beige ceramic	Lip (SM-6321RE)
22	White/black printed beige ceramic	Lip (SM-6321BK)





Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the 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>). This test report may not be reproduced in whole or in part, without the written approval of QIMA (Hangzhou) Testing Co., Ltd.



Verify Report



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