



# TEST REPORT

**C.C:** ZIBO DIZHE INTERNATIONAL TRADING CO., LTD  
**ADDRESS:** 113#ZHONGRUN ROAD, 412# ROOM, FUSHAN BUILDING, ZIBO CITY

**LAB NO.:** (9021)320-0125  
**DATE IN:** NOV. 16, 2021  
**DATE MODIFIED:** /  
**DATE OUT:** NOV. 23, 2021  
**NO. OF WORKING DAYS:** 6  
**PAGE 1 OF 11**

<b>OVERALL RATING</b>	
<b>SATISFACTORY</b>	_____ <b>X</b> _____
<b>UNSATISFACTORY</b>	_____
<b>DATA</b>	_____

<b>Vendor:</b>	ZIBO DIZHE INTERNATIONAL TRADING CO., LTD	<b>Agent:</b>	/
<b>Raw Material Supplier:</b>	/	<b>Factory/Manufacturer:</b>	/
<b>P.O. No.:</b>	/	<b>Style No.:</b>	SM-6301WH, SM-6301BK, SM-6321BK, SM-6321RE
<b>Sample Description:</b>	CERAMIC MUG	<b>SKU#:</b>	SM-6301WH, SM-6301BK, SM-6321BK, SM-6321RE
<b>Color:</b>	MULTIROW	<b>Country of Origin:</b>	CHINA
<b>Buyer Name:</b>	BULLET	<b>Submitted Size:</b>	/
<b>Submitted Amount:</b>	/	<b>End Use:</b>	/
<b>Country of Distribution</b>	USA	<b>Others:</b>	/

<b>Product Category:</b>	/
<b>Test Requested:</b>	SEE BELOW
<b>Previous Report No.:</b>	/

TEST PROPERTY	PASS	FAIL	DATA	COMMENTS
Extractable Lead and Cadmium Content in Interior of Ceramicware - United States Food and Drug Administration (FDA) Compliance Policy Guides (CPG), Sections 545.400 (CPG 7117.06) and 545.450 (CPG 7117.07)	X			
Extractable Lead and Cadmium in Ceramicware- California Proposition 65	X			
Extractable Lead and Cadmium in Ceramic and Glass - CCPSA Glazed Ceramics and Glassware Regulations -SOR/2016-175 Sec.2	X			
Extractable Lead and Cadmium Content from External Decoration in Lip and Rim Area - California Proposition 65	X			
Extractable Lead and Cadmium Content from External Decoration in Lip and Rim Area - Society of Glass and Ceramic Decorators (SGCD)	X			
Extractable Lead and Cadmium in Lip and Rim - Glazed Ceramic and Glassware Regulation - SOR/2016-175 Sec.3	X			
Total Lead Content in Substrate - United States Consumer Product Safety Improvement Act (CPSIA) Section 101(a)(2)	X			

**Remark:**

The client specifies the test method and requirement.

**BVCPS (SHANGHAI)-QINGDAO BRANCH CONTACT INFORMATION FOR THIS REPORT**

**Enquiry and invoicing:**

Wendy Huang 86-533-7868187 wendy.huang@bureauveritas.com  
Sunnee Li 86-533-7868185 sunnee.li@bureauveritas.com

**Bureau Veritas**  
Consumer Products Services (Shanghai)-Qingdao Branch



Anderson Zhang  
Qingdao Hardline Reporting Manager

**TEST RESULT**

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Ceramicware	-	A
I002	Ceramicware	-	B
I003	Ceramicware	-	C
I004	Ceramicware	-	D

**1.Extractable Lead and Cadmium Content in Interior of Glassware - United States Food and Drug Administration (FDA) Compliance Policy Guides (CPG), Sections 545.400 (CPG 7117.06) and 545.450 (CPG 7117.07)**

**Test Method** : AOAC 973.32 (2007) / ASTM C738-94 (R2020)

Extractable Element(s)		Pb	Cd
<b>Maximum Allowable Limit (mg/L) (Average of 6 trials )</b>	<b>Type I – Flatware</b>	<b>3.0</b>	<b>0.5</b>
	<b>Type II - Small hollowware</b>	<b>2.0</b>	<b>0.5</b>
	<b>Type III - Large hollowware</b>	<b>1.0</b>	<b>0.25</b>
	<b>Type IV - Cup and mug</b>	<b>0.5</b>	<b>0.5*</b>
	<b>Type V - Small pitcher</b>	<b>0.5</b>	<b>0.5*</b>
	<b>Type VI - Large pitcher</b>	<b>0.5</b>	<b>0.25^</b>

-	Result			
Test Item(s)	I001			
Type	IV			
Parameter	Internal Depth	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	Mm	mL	mg/L	mg/L
<b>Test Sample(s) / Trial(s)</b>	-	-	-	-
Trial 1	90	325	<0.05	<0.01
Trial 2	90	325	<0.05	<0.01
Trial 3	90	325	<0.05	<0.01
Trial 4	90	325	<0.05	<0.01
Trial 5	90	325	<0.05	<0.01
Trial 6	90	325	<0.05	<0.01
Average	-	-	<0.05	<0.01
<b>Conclusion</b>	<b>PASS</b>			

	<b>Result</b>			
<b>Test Item(s)</b>	I002			
<b>Type</b>	IV			
<b>Parameter</b>	Internal Depth	Leaching Volume	Lead (Pb)	Cadmium (Cd)
<b>Unit</b>	Mm	mL	mg/L	mg/L
<b>Test Sample(s) / Trial(s)</b>	-	-	-	-
Trial 1	90	325	<0.05	<0.01
Trial 2	90	325	<0.05	<0.01
Trial 3	90	325	<0.05	<0.01
Trial 4	90	325	<0.05	<0.01
Trial 5	90	325	<0.05	<0.01
Trial 6	90	325	<0.05	<0.01
Average	-	-	<0.05	<0.01
<b>Conclusion</b>	PASS			

Note/Key : ND = Not detected                      “<” = less than                      mm = millimeter(s)  
 mg/L = milligram(s) per liter = ppm = part(s) per million                      mL = milliliter(s)  
 Detection Limit (mg/L) : Pb 0.050; Cd 0.010

Remark:  
 - Product(s) with extractable lead content and (or) extractable cadmium content exceeding the corresponding maximum allowable limit has (have) to comply with the warning utilization requirement.

## **2. Extractable Lead and Cadmium in Ceramicware- California Proposition 65**

**Test Method** : AOAC 973.32 (2007) / ASTM C738-94 (R2020)

<b>Extractable Element(s)</b>		<b>Pb</b>	<b>Cd</b>
<b>Maximum Allowable Limit (mg/L)</b>  <b>( Any 1 of 12 trials )</b>	<b>Type I – Flatware</b>	<b>0.226</b>	<b>1.853</b>
	<b>Type II - Small hollowware</b>	<b>0.100</b>	<b>0.189</b>
	<b>Type III - Large hollowware</b>	<b>0.100</b>	<b>0.049</b>

	<b>Result</b>			
<b>Test Item(s)</b>	I001			
<b>Type</b>	II			
<b>Parameter</b>	Internal Depth	Leaching Volume	Lead (Pb)	Cadmium (Cd)
<b>Unit</b>	Mm	mL	mg/L	mg/L
<b>Test Sample(s) / Trial(s)</b>	-	-	-	-
Trial 1	90	325	ND	ND
Trial 2	90	325	ND	ND
Trial 3	90	325	ND	ND
Trial 4	90	325	ND	ND
Trial 5	90	325	ND	ND
Trial 6	90	325	ND	ND
Trial 7	90	325	ND	ND
Trial 8	90	325	ND	ND
Trial 9	90	325	ND	ND
Trial 10	90	325	ND	ND
Trial 11	90	325	ND	ND
Trial 12	90	325	ND	ND
<b>Conclusion</b>	PASS			

Test Item(s)	Result			
	I002			
Type	II			
Parameter	Internal Depth	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	Mm	mL	mg/L	mg/L
Test Sample(s) / Trial(s)	-	-	-	-
Trial 1	90	325	ND	ND
Trial 2	90	325	ND	ND
Trial 3	90	325	ND	ND
Trial 4	90	325	ND	ND
Trial 5	90	325	ND	ND
Trial 6	90	325	ND	ND
Trial 7	90	325	ND	ND
Trial 8	90	325	ND	ND
Trial 9	90	325	ND	ND
Trial 10	90	325	ND	ND
Trial 11	90	325	ND	ND
Trial 12	90	325	ND	ND
Conclusion	PASS			

Note / Key :

ND = Not detected    “<” = less than    mm = millimeter(s)  
 mg/L = milligram(s) per liter = ppm = part(s) per million    mL = milliliter(s)  
 Detection Limit (mg/L) : Pb 0.05; Cd 0.01

Remark :

- Ceramicware food and beverage use products, such as china, porcelain and glazed earthenware tableware, are applicable to be tested with the exclusion of salt and pepper shakers and pepper mills.
- For potential sale of less than 2000 pieces of products per year, the average result should be obtained from 6 trials. While for potential sale of greater than or equal to 2000 pieces of products per year, the average result should be obtained from 12 trials.
- Product(s) with extractable lead and (or) extractable cadmium content exceeding the corresponding maximum allowable limit has (have) to comply with the warning utilization requirement.
- Apart from these extractable lead and cadmium requirements of California Proposition 65 or California Health and Safety Code, Section 25249.5, product(s) has (have) to comply with the extractable lead and cadmium requirements of United States Food and Drug Administration (FDA) Compliance Policy Guides (CPG), Sections 545.400 (CPG 7117.06) and 545.450 (CPG 7117.07).

**3. Extractable Lead and Cadmium in Ceramic and Glass - CCPSA Glazed Ceramics and Glassware Regulations**

**-SOR/2016-175 Sec.2**

Test Method : ISO 6486-1:1999

Extractable Element(s)	Pb	Cd	
Maximum Allowable Limit (mg/L) (Average of 6 trials)	Type I – Flatware	3.0	0.5
	Type II - Small hollowware	2.0	0.5
	Type III - Large hollowware	1.0	0.25
	Type IV - Cup and mug	0.5	0.5
	Type V - Pitcher	0.5	0.25

-	<b>Result</b>			
<b>Test Item(s)</b>	I001			
<b>Type</b>	IV			
<b>Parameter</b>	Internal Depth	Leaching Volume	Lead (Pb)	Cadmium (Cd)
<b>Unit</b>	Mm	mL	mg/L	mg/L
<b>Test Sample(s) / Trial(s)</b>	-	-	-	-
Trial 1	90	325	<0.05	<0.01
Trial 2	90	325	<0.05	<0.01
Trial 3	90	325	<0.05	<0.01
Trial 4	90	325	<0.05	<0.01
Trial 5	90	325	<0.05	<0.01
Trial 6	90	325	<0.05	<0.01
Average	-	-	<0.05	<0.01
<b>Conclusion</b>	PASS			

-	<b>Result</b>			
<b>Test Item(s)</b>	I002			
<b>Type</b>	IV			
<b>Parameter</b>	Internal Depth	Leaching Volume	Lead (Pb)	Cadmium (Cd)
<b>Unit</b>	Mm	mL	mg/L	mg/L
<b>Test Sample(s) / Trial(s)</b>	-	-	-	-
Trial 1	90	325	<0.05	<0.01
Trial 2	90	325	<0.05	<0.01
Trial 3	90	325	<0.05	<0.01
Trial 4	90	325	<0.05	<0.01
Trial 5	90	325	<0.05	<0.01
Trial 6	90	325	<0.05	<0.01
Average	-	-	<0.05	<0.01
<b>Conclusion</b>	PASS			

Note/Key : ND = Not detected                      “<” = less than                      mm = millimeter(s)  
 mg/L = milligram(s) per liter = ppm = part(s) per million                      mL = milliliter(s)  
 Detection Limit (mg/L) : Pb 0.050; Cd 0.010

Remark:  
 - Product(s) with extractable lead content and (or) extractable cadmium content exceeding the corresponding maximum allowable limit has (have) to comply with the warning utilization requirement.

**4. Extractable Lead and Cadmium Content from External Decoration in Lip and Rim Area - California Proposition 65**

Test Method : ASTM C927-80(R2019e1)

Extractable Element(s)	Pb	Cd
Maximum Allowable Limit (mg/L) ( Any 1 of 6 trials )	0.5	4.0

-	Result			
Test Item(s)	I003			
Type	-			
Parameter	Internal Volume	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	mL	mL	mg/L	mg/L
Test Sample(s) / Trial(s)	-	-	-	-
Trial 1	325	175	<0.05	<0.01
Trial 2	325	175	<0.05	<0.01
Trial 3	325	175	<0.05	<0.01
Trial 4	325	175	<0.05	<0.01
Trial 5	325	175	<0.05	<0.01
Trial 6	325	175	<0.05	<0.01
Conclusion	PASS			

-	Result			
Test Item(s)	I004			
Type	-			
Parameter	Internal Volume	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	mL	mL	mg/L	mg/L
Test Sample(s) / Trial(s)	-	-	-	-
Trial 1	325	175	<0.05	<0.01
Trial 2	325	175	<0.05	<0.01
Trial 3	325	175	<0.05	<0.01
Trial 4	325	175	<0.05	<0.01
Trial 5	325	175	<0.05	<0.01
Trial 6	325	175	<0.05	<0.01
Conclusion	PASS			

Note / Key :

ND = Not detected                                  "<" = less than                                  mL = milliliter(s)  
 mg/L = milligram(s) per liter leached relative to internal volume                                  mg/L = ppm  
 ppm = part(s) per million leached relative to internal volume  
 Detection Limit (mg/L) : Pb : 0.05; Cd : 0.01

Remark :

- Product(s) with extractable lead content and (or) extractable cadmium content exceeding the corresponding maximum allowable limit has (have) to comply with the warning utilization requirement.

**5. Extractable Lead and Cadmium Content from External Decoration in Lip and Rim Area - Society of Glass and Ceramic Decorators (SGCD)**

Test Method : ASTM C927-80(R2019e1)

<b>Extractable Element(s)</b>	<b>Pb</b>	<b>Cd</b>
<b>Maximum Allowable Limit (mg/L) ( Any 1 of 6 trials )</b>	<b>4.0</b>	<b>0.4</b>

-	<b>Result</b>			
<b>Test Item(s)</b>	I003			
<b>Type</b>	-			
<b>Parameter</b>	Internal Volume	Leaching Volume	Lead (Pb)	Cadmium (Cd)
<b>Unit</b>	mL	mL	mg/L	mg/L
<b>Test Sample(s) / Trial(s)</b>	-	-	-	-
Trial 1	325	175	<0.05	<0.01
Trial 2	325	175	<0.05	<0.01
Trial 3	325	175	<0.05	<0.01
Trial 4	325	175	<0.05	<0.01
Trial 5	325	175	<0.05	<0.01
Trial 6	325	175	<0.05	<0.01
<b>Conclusion</b>	PASS			

-	<b>Result</b>			
<b>Test Item(s)</b>	I004			
<b>Type</b>	-			
<b>Parameter</b>	Internal Volume	Leaching Volume	Lead (Pb)	Cadmium (Cd)
<b>Unit</b>	mL	mL	mg/L	mg/L
<b>Test Sample(s) / Trial(s)</b>	-	-	-	-
Trial 1	325	175	<0.05	<0.01
Trial 2	325	175	<0.05	<0.01
Trial 3	325	175	<0.05	<0.01
Trial 4	325	175	<0.05	<0.01
Trial 5	325	175	<0.05	<0.01
Trial 6	325	175	<0.05	<0.01
<b>Conclusion</b>	PASS			

Note / Key :

ND = Not detected  
 mg/L = milligram(s) per liter leached relative to internal volume  
 ppm = part(s) per million leached relative to internal volume  
 Detection Limit (mg/L) : Pb : 0.05; Cd : 0.01  
 “<” = less than  
 mL = milliliter(s)  
 mg/L = ppm

Remark :

- Product(s) with extractable lead content and (or) extractable cadmium content exceeding the corresponding maximum allowable limit has (have) to comply with the warning utilization requirement.



**6. Extractable Lead and Cadmium in Lip and Rim - Glazed Ceramic and Glassware Regulation - SOR/2016-175**

**Sec.3**

Test Method : ASTM C927-80(R2019e1)

<b>Extractable Element(s)</b>	<b>Pb</b>	<b>Cd</b>
<b>Maximum Allowable Limit (mg/L) ( Any 1 of 6 trials )</b>	<b>4.0</b>	<b>0.4</b>

		<b>Result</b>		
<b>Test Item(s)</b>		I003		
<b>Type</b>		-		
<b>Parameter</b>	Internal Volume	Leaching Volume	Lead (Pb)	Cadmium (Cd)
<b>Unit</b>	mL	mL	mg/L	mg/L
<b>Test Sample(s) / Trial(s)</b>	-	-	-	-
Trial 1	325	175	<0.05	<0.01
Trial 2	325	175	<0.05	<0.01
Trial 3	325	175	<0.05	<0.01
Trial 4	325	175	<0.05	<0.01
Trial 5	325	175	<0.05	<0.01
Trial 6	325	175	<0.05	<0.01
<b>Conclusion</b>	PASS			

		<b>Result</b>		
<b>Test Item(s)</b>		I004		
<b>Type</b>		-		
<b>Parameter</b>	Internal Volume	Leaching Volume	Lead (Pb)	Cadmium (Cd)
<b>Unit</b>	mL	mL	mg/L	mg/L
<b>Test Sample(s) / Trial(s)</b>	-	-	-	-
Trial 1	325	175	<0.05	<0.01
Trial 2	325	175	<0.05	<0.01
Trial 3	325	175	<0.05	<0.01
Trial 4	325	175	<0.05	<0.01
Trial 5	325	175	<0.05	<0.01
Trial 6	325	175	<0.05	<0.01
<b>Conclusion</b>	PASS			

Note / Key :

ND = Not detected                                    “<” = less than                                    mL = milliliter(s)  
 mg/L = milligram(s) per liter leached relative to internal volume                                    mg/L = ppm  
 ppm = part(s) per million leached relative to internal volume  
 Detection Limit (mg/L) : Pb : 0.05; Cd : 0.01

Remark :

- Product(s) with extractable lead content and (or) extractable cadmium content exceeding the corresponding maximum allowable limit has (have) to comply with the warning utilization requirement.

**7. Total Lead Content in Substrate - United States Consumer Product Safety Improvement Act (CPSIA) Section 101(a)(2)**

Test Method : CPSC-CH-E1002-08.3

<b>Maximum Allowable Limit :</b>	<b>100 mg/kg</b>
----------------------------------	------------------

-	Unit	Result
<b>Test Item(s)</b>	-	I001
<b>Parameter</b>	-	-
Total Lead (Pb)	mg/kg	77.5
<b>Conclusion</b>	-	PASS

Note / Key :

ND = Not detected                      “<” = Less than  
 mg/kg = milligram(s) per kilogram = ppm = part(s) per million  
 10000 mg/kg = 1 %                      % = percent  
 Detection Limit (mg/kg) : 10

**Original Sample**



**END**