



TEST REPORT

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

LAB NO.: (9021)313-0198
DATE IN: NOV. 09, 2021
DATE MODIFIED: /
DATE OUT: NOV. 17, 2021
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OVERALL RATING	
SATISFACTORY	_____ X _____
UNSATISFACTORY	_____
DATA	_____

Vendor:	ZIBO DIZHE INTERNATIONAL TRADING CO., LTD	Agent:	/
Raw Material Supplier:	/	Factory/Manufacturer:	/
P.O. No.:	/	Style No.:	1624-77RYL
Sample Description:	CERAMIC MUG	SKU#:	1624-77RYL
Color:	/	Country of Origin:	CHINA
Buyer Name:	BULLET	Submitted Size:	/
Submitted Amount:	/	End Use:	/
Country of Distribution	USA	Others:	/

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

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 Tableware - California Health and Safety Code Section 108860	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 Content from External Decoration in Lip and Rim Area - California Proposition 65	X			
Total Lead Content in Substrate - United States Consumer Product Safety Improvement Act (CPSIA) Section 101(a)(2)	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 in Lip and Rim - Glazed Ceramic and Glassware Regulation - SOR/2016-175 Sec.3	X			

Remark:

The client specifies the test method and requirement.

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

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Consumer Products Services (Shanghai)-Qingdao Branch



Anderson Zhang
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TEST RESULT

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Ceramic Mug	-	A

1.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)

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

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 - Small pitcher	0.5	0.5*
	Type VI - Large pitcher	0.5	0.25^

		Result		
Test Item(s)	I001			
Type	IV			
Parameter	Internal Depth	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	Mm	mL	mg/L	mg/L
Test Sample(s) / Trial(s)	-	-	-	-
Trial 1	87	370	<0.05	<0.01
Trial 2	87	370	<0.05	<0.01
Trial 3	87	370	<0.05	<0.01
Trial 4	87	370	<0.05	<0.01
Trial 5	87	370	<0.05	<0.01
Trial 6	87	370	<0.05	<0.01
Average	-	-	<0.05	<0.01
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 0.050; 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)

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

Test Item(s)	Result			
	I001			
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	87	370	ND	ND
Trial 2	87	370	ND	ND
Trial 3	87	370	ND	ND
Trial 4	87	370	ND	ND
Trial 5	87	370	ND	ND
Trial 6	87	370	ND	ND
Trial 7	87	370	ND	ND
Trial 8	87	370	ND	ND
Trial 9	87	370	ND	ND
Trial 10	87	370	ND	ND
Trial 11	87	370	ND	ND
Trial 12	87	370	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 tableware - California health and safety code section 108860

Test Method : AOAC973.32:2007

Extractable Element(s)	Pb	Cd
Type IV - Cup and mug	0.5	0.5*

-	Result			
Test Item(s)	I001			
Type	IV			
Parameter	Internal Depth	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	Mm	mL	mg/L	mg/L
Test Sample(s) / Trial(s)	-	-	-	-
Trial 1	87	370	<0.05	<0.01
Trial 2	87	370	<0.05	<0.01
Trial 3	87	370	<0.05	<0.01
Trial 4	87	370	<0.05	<0.01
Trial 5	87	370	<0.05	<0.01
Trial 6	87	370	<0.05	<0.01
Average	-	-	-	-
Conclusion	PASS			

Note/Key : ND = Not detected “>” = Greater 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

4. 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)

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

-	Result			
Test Item(s)	I001			
Type	-			
Parameter	Internal Volume	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	mL	mL	mg/L	mg/L
Test Sample(s) / Trial(s)	-	-	-	-
Trial 1	370	150	<0.05	<0.01
Trial 2	370	150	<0.05	<0.01
Trial 3	370	150	<0.05	<0.01
Trial 4	370	150	<0.05	<0.01
Trial 5	370	150	<0.05	<0.01
Trial 6	370	150	<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 - 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)	I001			
Type	-			
Parameter	Internal Volume	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	mL	mL	mg/L	mg/L
Test Sample(s) / Trial(s)	-	-	-	-
Trial 1	370	150	<0.05	<0.01
Trial 2	370	150	<0.05	<0.01
Trial 3	370	150	<0.05	<0.01
Trial 4	370	150	<0.05	<0.01
Trial 5	370	150	<0.05	<0.01
Trial 6	370	150	<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.

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

Test Method : CPSC-CH-E1002-08.3

Maximum Allowable Limit :	100 mg/kg
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	Unit	Result
-	-	I001
Test Item(s)	-	I001
Parameter	-	-
Total Lead (Pb)	mg/kg	42.8
Conclusion	-	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

7. 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

	Result			
-	I001			
Test Item(s)	I001			
Type	IV			
Parameter	Internal Depth	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	Mm	mL	mg/L	mg/L
Test Sample(s) / Trial(s)	-	-	-	-
Trial 1	87	370	<0.05	<0.01
Trial 2	87	370	<0.05	<0.01
Trial 3	87	370	<0.05	<0.01
Trial 4	87	370	<0.05	<0.01
Trial 5	87	370	<0.05	<0.01
Trial 6	87	370	<0.05	<0.01
Average	-	-	<0.05	<0.01
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 0.050; 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.

8. Extractable Lead and Cadmium in Lip and Rim - Glazed Ceramic and Glassware Regulation -

SOR/2016-175 Sec.3

Test Method : ASTM C927-80(R2019e1)

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

	Result			
Test Item(s)	I001			
Type	-			
Parameter	Internal Volume	Leaching Volume	Lead (Pb)	Cadmium (Cd)
Unit	mL	mL	mg/L	mg/L
Test Sample(s) / Trial(s)	-	-	-	-
Trial 1	370	150	<0.05	<0.01
Trial 2	370	150	<0.05	<0.01
Trial 3	370	150	<0.05	<0.01
Trial 4	370	150	<0.05	<0.01
Trial 5	370	150	<0.05	<0.01
Trial 6	370	150	<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.

Original Sample



END