

## TEST REPORT

Test Report # 21W-000536(A1) Date of Report Issue: January 22, 2021  
Date of Sample Received: January 12, 2021 Pages: Page 1 of 15

### CLIENT INFORMATION:

Company: Polyconcept GBS  
Recipient: kathy lu  
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### SAMPLE INFORMATION:

Description: Moscow Mule Mug 4-in-1 Gift Set  
Article No.: 1625-22COP Purchase Order Number: -  
Factory No.: 13727 Toy Co./Agency: -  
Vendor No.: 11104 Country of Origin: China  
Country of Distribution: United States Labeled Age Grade: -  
Quantity Submitted: 6sets Requested Age Grade: -  
Testing Period: 01/12/2021-01/21/2021 Tested Age Grade: -

### OVERALL RESULT:

**PASS**

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

QIMA (HANGZHOU) TESTING CO., LTD.

*Vicky Yu*

Vicky Yu  
Chemical Laboratory Supervisor



### TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead in Paints and Surface Coatings
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	Client's requirement, Bisphenol A content
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers
PASS	FDA 21 CFR 175.300, Resinous and Polymeric Coatings
PASS	Client's Requirement, Leachable Lead and Cadmium from Food Contact Articles – Lip and Rim



**DETAILED RESULTS:**

**CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	<b>90</b>
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

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



**DETAILED RESULTS:**

**California Proposition 65, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	<b>90</b>
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*

mg/kg =Milligrams per kilogram

LT = Less than

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

*Remark:*

The specification is quoted from client's requirement.



**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.	2	4	5	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	38	ND	ND	---	---	<b>100</b>
<b>Conclusion</b>	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:**

**Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead in Paints and Surface Coatings**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	---	---	---	---	Total Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	<b>90</b>
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*

mg/kg=Milligrams per kilogram

LT = Less than

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



**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.	2	4	5	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	38	ND	ND	---	---	90
<b>Conclusion</b>	PASS	PASS	PASS	---	---	

*Note:*

mg/kg=Milligrams per kilogram)

LT = Less than

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



**DETAILED RESULTS:**

**Client's requirement, Bisphenol A content**

Test Method: In-House Method  
 Analytical Method: Gas Chromatography-Mass Spectrometer  
 Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.	7	---	---	---	Client's limit (mg/kg)
Test Item CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Bisphenol A (BPA) 80-05-7	ND	---	---	---	<b>Not Detected</b>
<b>Conclusion</b>	PASS	---	---	---	

*Note:*  
 mg/kg=milligram per kilogram  
 ND=Not Detected(Reporting limit = 1 mg/kg)





**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.	7	---	---	---	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	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	---	---	1000
<b>Conclusion</b>		PASS	---	---	

**Note:**

mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)

LT = Less than

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

**Remark:**

The specification is quoted from client's requirement.



**DETAILED RESULTS:**

**FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers**

Test Method: SN/T 2718-2010  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	6	---	---	---	---	Limit (% m/m)
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	
Total Chromium (Cr)	17.47	---	---	---	---	<b>GT 16</b>
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*  
 % m/m = Percent by mass  
 GT = Greater than

*Remark:*  
 The limit is quoted from ANSI/NSF 51-1997 Section 7.1.2.



**DETAILED RESULTS:**

**FDA 21 CFR 175.300, Resinous and Polymeric Coatings**

Test Method: FDA 21 CFR 175.300

Specimen No.		3		RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	Fill boiling	Cooling to 100°F	0.2	<b>0.1</b>	<b>18</b>
n-Heptane extractive (mg/in <sup>2</sup> )	120°F	0.25 h	ND	<b>0.1</b>	<b>18</b>
8% Ethanol extractive (mg/in <sup>2</sup> )	Fill boiling	Cooling to 100°F	0.2	<b>0.1</b>	<b>18</b>
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature

°F = Degree Fahrenheit

mg/in<sup>2</sup> = Milligrams per square inch

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*

The specification is quoted from 21 CFR 175.300 (c) (3).



**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.	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)	300	300	300	300	300	300		
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	<b>4.0</b>
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	<b>0.4</b>
<b>Conclusion</b>	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.



**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Rose golden plated silvery metal	Lip of cup
2	Rose golden plated silvery metal	Main body of cup
3	Rose golden plated silvery metal	Cup exterior
4	Golden metal	Hand shank
5	Rose golden plated silvery metal	Spoon
6	Silvery metal	Cup interior
7	Transparent lacquer	Raw material



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*Test(s) marked with 'φ' was subcontracted to external laboratory.*

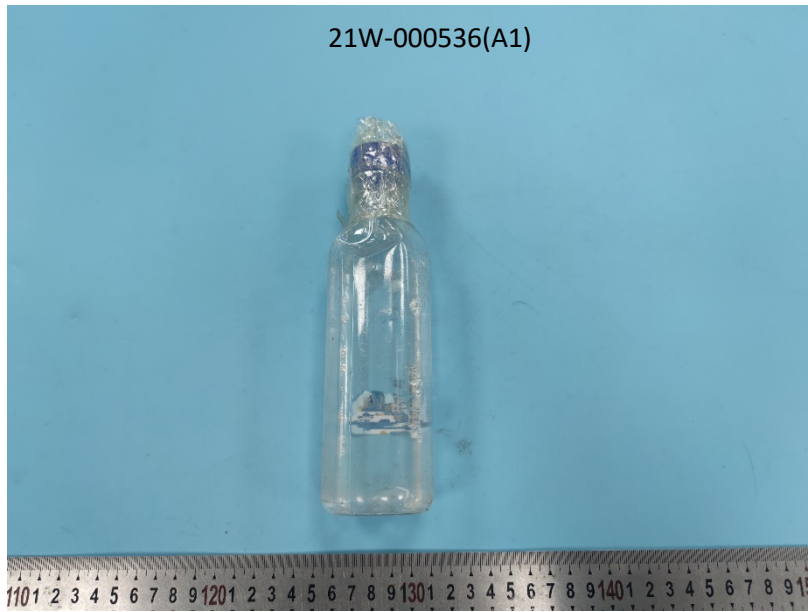
*The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.*

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**SAMPLE PHOTO:**



**SAMPLE PHOTO:**



-End Report-

