



TEST REPORT

Test Report # 17H-002397 Date of Report Issue: May 23, 2017
 Date of Sample Received: April 3, 2017 Pages: Page 1 of 9

CLIENT INFORMATION:

Company: Numo Manufacturing
 Recipient: Rebecca Williams
 Recipient Email: rwilliams@numomfg.com



SAMPLE INFORMATION:

Description:	Marble Mug - B732-0121		
Assortment:	-	Purchase Order Number:	-
SKU/style No.:	-	Toy Co./Agency:	-
Factory/Supplier/Vendor:	Numo Manufacturing	Country of Origin:	China
Country of Distribution:	-	Labeled Age Grade:	-
Quantity Submitted:	14 pcs	Recommended Age Grade:	-
Testing Period:	05/16/2017 – 05/23/2017	Tested Age Grade:	-

OVERALL RESULT:



Refer to page 2 for test result summary and appropriate notes.

ANSECO GROUP (HK) LIMITED



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The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation. The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein. This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited. ANAB is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.



TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	Client’s Requirement, Total Cadmium in Glass and Ceramic Materials [#]
PASS	California Proposition 65 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment under 2,000 Pieces) – Interior
PASS	FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior
PASS	California Proposition 65 Case No. CGC-04-436729, Leachable Lead and Cadmium from Tableware – Lip and Rim
PASS	California Proposition 65, Lead and Cadmium – External Decoration [#]

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**DETAILED RESULTS:****Client's Requirement, Total Cadmium in Glass and Ceramic Materials**

Test Method: AI|ANSECO Method#
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	40
Conclusion	PASS	---	---	---	---	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

**DETAILED RESULTS:****California Proposition 65 Case No. 938430, Leachable Lead and Cadmium from Tableware (Shipment under 2,000 Pieces) – Interior**

Test Method: ASTM C738-94(Reapproved 2011)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2A	2B	2C	2D	2E	2F	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)	440	440	440	440	440	440		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	0.049
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	0.100
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 = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Average of 6)	0.049	0.100
	Flatware (Average of 6)	0.189	0.226
	Large Hollowware (Average of 6)	0.049	0.100
	Small Hollowware (Average of 6)	0.049	0.100
	Pitchers (Average of 6)	0.049	0.100

**DETAILED RESULTS:****FDA CPG 545.400 & CPG 545.450, Leachable Cadmium and Lead from Ceramics – Interior**

Test Method: ASTM C738-94(Reapproved 2011)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2A	2B	2C	2D	2E	2F	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)	440	440	440	440	440	440		
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	NA	0.5
Leachable Lead (Pb)	ND	ND	ND	ND	ND	ND	NA	0.5
Conclusion	PASS	PASS	PASS	PASS	PASS	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 = 0.04 mg/L; Cd = 0.02 mg/L)

Category		Leachable Cd (mg/L)	Leachable Pb (mg/L)
X	Cups and Mugs (Any of 6)	0.5	0.5
	Flatware (Average of 6)	0.5	3.0
	Large Hollowware (Any of 6)	0.25	1.0
	Small Hollowware (Any of 6)	0.5	2.0
	Pitchers (Any of 6)	0.25	0.5

**DETAILED RESULTS:****California Proposition 65 Case No. CGC-04-436729, Leachable Lead and Cadmium from Tableware – Lip and Rim**

Test Method: ASTM C927-80(2014)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3A	3B	3C	3D	3E	3F	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)	160	160	160	160	160	160	
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	ND	2.0
Leachable Lead (Pb)	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 = 0.04 mg/L; Cd = 0.02 mg/L)

**DETAILED RESULTS:****California Proposition 65, Lead and Cadmium – External Decoration**Test Method: NIOSH Method 9100[#]

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	4	---	---	---	---	Limit ($\mu\text{g}/\text{article}$)
Test Item	Result ($\mu\text{g}/\text{article}$)	Result ($\mu\text{g}/\text{article}$)	Result ($\mu\text{g}/\text{article}$)	Result ($\mu\text{g}/\text{article}$)	Result ($\mu\text{g}/\text{article}$)	
Cadmium (Cd)	ND	---	---	---	---	4.0
Lead (Pb)	ND	---	---	---	---	1.0
Conclusion	PASS	---	---	---	---	

Note: $\mu\text{g}/\text{article}$ = Micrograms per article

LT = Less than

ND = Not detected (Reporting Limit = 0.4 $\mu\text{g}/\text{article}$)

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Purple printed dull white ceramic	Mug
2	Purple printed dull white ceramic	Interior of mug
3	Purple printed dull white ceramic	Lip and rim of mug
4	Purple printed dull white ceramic	Exterior decoration of mug



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SAMPLE PHOTO:



-End Report-