

TEST REPORT

Test Report # 20A-005143 Date of Report Issue: August 19, 2020
Date of Sample Received: August 13, 2020 Pages: Page 1 of 12

CLIENT INFORMATION:

Company: Digital on Demand
Address: 44 Garden Street, Unit 3, Danvers, MA 01923



SAMPLE INFORMATION:

Product Name: S/S stemless wine glass (double s/s wall vacuum)
Test Type: Full Test
Model/style No.: ST41
PO No.: PO2006000008
Buyer: -
Supplier: -
Country of Distribution: United States
Country of Origin: China
Testing Period: 08/14/2020-08/19/2020

OVERALL RESULT:

 **PASS with
information**

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

QIMA (HANGZHOU) TESTING CO., LTD.

Kevin Lee

Kevin Lee
Technical Manager



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• Email: Labtesting@qima.com • Tel: (86) 571 8999 7158.

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TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Paints and Surface Coatings of Other Items
PASS	The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Substrate Materials of Other Items
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	California Proposition 65, Lead and Cadmium – External Decoration
PASS	FDA 21 CFR 175.300, Resinous and Polymeric Coatings
Information only	FDA/GRAS Evaluation- Chemical Composition Analysis of Metal



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.	2	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	90
Conclusion	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.	1	3	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	---	---	---	100
Conclusion	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:

The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Paints and Surface Coatings of Other Items

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2	---	---	---	---	Total
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Limit (mg/kg)
Total Lead (Pb)	ND	---	---	---	---	600
Conclusion	PASS	---	---	---	---	

Note:

mg/kg=Milligrams per kilogram

LT = Less than

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



DETAILED RESULTS:**The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Substrate Materials of Other Items**

Test Method: CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	3	---	---	---	Total
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Limit (mg/kg)
Total Lead (Pb)	ND	ND	---	---	---	600
Conclusion	PASS	PASS	---	---	---	

Note:

mg/kg=Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/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.	2	---	---	---	---	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
Conclusion		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:

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 (µg/article)
Test Item	Result (µg/article)	Result (µg/article)	Result (µg/article)	Result (µg/article)	Result (µg/article)	
Lead (Pb)	ND	---	---	---	---	1.0
Cadmium (Cd)	ND	---	---	---	---	4.0
Conclusion	PASS	---	---	---	---	

Note:

µg/article = Micrograms per article

LT = Less than

ND = Not detected (Reporting Limit = 0.4 µg/article)



DETAILED RESULTS:**FDA 21 CFR 175.300, Resinous and Polymeric Coatings**

Test Method: FDA 21 CFR 175.300

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in²)	Fill boiling	Cooling to 100°F	ND	0.1	18
n-Heptane extractive (mg/in²)	120°F	0.25 hours	ND	0.1	18
8% Ethanol extractive (mg/in²)	Fill boiling	Cooling to 100°F	ND	0.1	18
Conclusion			PASS		

Note:

Temp. = Temperature

°F = Degree Fahrenheit

mg/in² = 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:

FDA/GRAS Evaluation- Chemical Composition Analysis of Metal

Test method: SN/T 2718-2010 & GB/T 20123-2006 & GB/T 223.59-2008

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry
Ultraviolet-Visible Spectrophotometry
C-S analyzer

Test result: The sample **meet** the chemical requirements of AISI 304 stainless steel.

Specimen No.:	1	---	---	---	---
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)
Carbon (C)	0.055 ^φ	---	---	---	---
Sulphur (S)	0.0040 ^φ	---	---	---	---
Silicon (Si)	0.378	---	---	---	---
Manganese (Mn)	1.021	---	---	---	---
Phosphorus (P)	0.034	---	---	---	---
Chromium (Cr)	18.12	---	---	---	---
Nickel (Ni)	8.516	---	---	---	---
Type of Stainless steel Name	AISI 304	---	---	---	---
Conclusion	Information only	---	---	---	---

Note:

% m/m = Percent by mass

LT = Less than

Type of Stainless steel Name	C	S	Si	Mn	P	Cr	Ni	Mo	Cu
AISI 304	≤0.08	≤0.03	≤1.00	≤2.00	≤0.045	18~20	8~10.5	-	-



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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Silvery metal	Interior(ST41)
2	White coating	Exterior(ST41)
3	Silvery metal	Exterior(ST41)
4	White coated silvery metal	Exterior(ST41)



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SAMPLE PHOTO:



-End Report-

