

## TEST REPORT

Test Report # 22H-008563 Date of Report Issue: December 29, 2022  
Date of Sample Received: December 16, 2022 Pages: Page 1 of 13

### CLIENT INFORMATION:

Company: Imagen Brands  
Recipient: Carissa Roepke



### SAMPLE INFORMATION:

Description: 34 oz. Hydration Tumbler  
Assortment: -  
Item No.: CDKW025  
Shipment Order No.: DP42104 for Black, DP44016 for Blue  
Country of Distribution: Canada, United States  
Quantity Submitted: 6 pcs per style  
Testing Period: 12/20/2022 – 12/29/2022

Test Request Form No: IB0246  
Country of Origin: China  
Labeled Age Grade: -  
Recommended Age Grade: -  
Tested Age Grade: -

### OVERALL RESULT:

 **PASS**

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

QIMA Testing (HK) Limited



Loska Yeung Lok Ka  
Assistant Manager, Chemical Laboratory

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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 Cadmium in Paints and Surface Coatings
PASS	Client's Requirement, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Cadmium in Substrate Materials
PASS	Client's Requirement, Total Lead in Accessible Substrate Materials
PASS	Client's Requirement, 10 Phthalates
PASS	Client's Requirement, Bisphenol A <sup>#</sup>
PASS	FDA 21 CFR 177.1520, Polyethylene Homopolymer
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers

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**DETAILED RESULTS:**

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

Test Method: ASTM F963-17 Clause 8.3.1  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Cadmium (Cd)	ND	ND	---	---	---	75
<b>Conclusion</b>	PASS	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 limit is quoted from client's requirement.

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**DETAILED RESULTS:**

**Client's Requirement, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E-1003-09.1  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	---	---	---	90
<b>Conclusion</b>	PASS	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.

**DETAILED RESULTS:**

**California Proposition 65, Total Cadmium in Substrate Materials**

Test Method: ASTM F963-17 Clause 8.3.1  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3	7	8	9	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Cadmium (Cd)	ND	ND	ND	ND	---	75
<b>Conclusion</b>	PASS	PASS	PASS	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.

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**DETAILED RESULTS:**

**Client's Requirement, Total Lead in Accessible Substrate Materials**

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.	3	7	8	9	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	---	90
<b>Conclusion</b>	PASS	PASS	PASS	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.

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**DETAILED RESULTS:**

**Client's Requirement, 10 Phthalates**

Test Method: CPSC-CH-C1001-09.4  
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3	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	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

**Note:**  
 mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % w/w (Percent by weight)  
 LT = Less than  
 ND = Not detected (Reporting Limit = 300 mg/kg)  
 Composite results are based on specimen of least mass resulting in highest potential concentration.

**DETAILED RESULTS:**

**Client's Requirement, 10 Phthalates**

Test Method: CPSC-CH-C1001-09.4  
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		8	9	---	---	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	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	---	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	---	---	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	---	---	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	---	---	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	---	---	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	---	---	1000
<b>Conclusion</b>		PASS	PASS	---	---	

**Note:**

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % w/w (Percent by weight)

LT = Less than

ND = Not detected (Reporting Limit = 300 mg/kg)

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

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**DETAILED RESULTS:**

**Client's Requirement, Bisphenol A**

Test Method: In-House Method<sup>#</sup>  
 Analytical Method: Liquid Chromatography with Fluorescence Detection,  
 Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.		3	4	5	6	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

*Note:*  
 ppm (Parts per million) = mg/kg (Milligrams per kilogram)  
 LT = Less than  
 ND = Not Detected (Reporting Limit = 1 ppm)

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**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polyethylene Homopolymer**

Test Method: FDA 21 CFR 177.1520

Specimen No.			3	---		
Test Item	Temp.	Duration	Result	Result	RL	Limit
n-Hexane Extractive (%)	50°C	2 Hours	3.4	---	<b>0.4</b>	<b>5.5</b>
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	5.6	---	<b>1.0</b>	<b>11.3</b>
<b>Conclusion</b>			PASS	---		

*Note:*

Temp. = Temperature

°C = Degree Celsius

g/cc = Grams per cubic centimeter

% = Percent by weight

NA = Not applicable

LT = Less than

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

*Remark:*

The specification is quoted from 21 CFR 177.1520 (c) 2.1.

By client's request, density is not conducted in FDA 21 CFR 177.1520 PE.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			4	5	RL	Limit
Test Item	Temp.	Duration	Result	Result		
n-Hexane Extractive (%)	Reflux	2 Hours	4.9	3.1	<b>0.1</b>	<b>6.4</b>
Xylene Extractive (%)	120°C	2 Hours or Until Total Dissolved	7.3	5.8	<b>0.5</b>	<b>9.8</b>
<b>Conclusion</b>			PASS	PASS		

Specimen No.			6	---	RL	Limit
Test Item	Temp.	Duration	Result	Result		
n-Hexane Extractive (%)	Reflux	2 Hours	2.4	---	<b>0.1</b>	<b>6.4</b>
Xylene Extractive (%)	120°C	2 Hours or Until Total Dissolved	4.4	---	<b>0.5</b>	<b>9.8</b>
<b>Conclusion</b>			PASS	---		

*Note:*

Temp. = Temperature

°C = Degree Celsius

g/cc = Grams per cubic centimeter

% w/w = Percent by weight

NA = Not applicable

LT = Less than

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

*Remark:*

The specification is quoted from 21 CFR 177.1520 (c) 1.1.

By client's request, density and melting point are not conducted in FDA 21 CFR 177.1520 PP-homo.

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## SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black coating	On outer wall (black style)
2	Blue coating	On outer wall (blue style)
3	Transparent plastic (PE-homo)	Straw (all styles)
4	Translucent plastic (PP-homo)	Inner wall (all styles)
5	Black plastic (PP-homo)	Lid/ swivel (black style)
6	Translucent blue plastic (PP-homo)	Lid/ swivel (blue style)
7	Translucent plastic	Inner wall/ outer wall (all styles)
8	Black plastic	Lid/ swivel/ handle/ cap of straw (black style)
9	Translucent blue plastic	Lid/ swivel/ handle/ cap of straw (blue style)

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**SAMPLE PHOTO:**



-End Report-

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