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YOUR EYES IN THE SUPPLY CHAIN

ilac-MRA ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1500

TEST REPORT

Test Report #	20H-001075(A1)	Date of Report Issue:	March 23, 2020
Date of Sample Received:	March 2, 2020	Pages:	Page 1 of 13

CLIENT INFORMATION:

Company:	Imagen Brands
Recipient:	Carissa Roepke
Recipient Email:	CarissaR@imagenbrands.com

SAMPLE INFORMATION:

Description:	24 oz Orbit Tumbler		
Assortment:	Aqua, Clear, Red, Smoke	Purchase Order Number:	-
SKU/style No.:	24ORBTMB-AQ, 24ORBTMB-NT-CL, 24ORBTMB-RD, 24ORBTMB-SM / 24ORBTMB	Toy Co./Agency:	-
Factory/Supplier/Vendor:	-	Country of Origin:	China
Country of Distribution:	United States, Canada	Labeled Age Grade:	-
Quantity Submitted:	5 pcs per style + 1 lot Parts	Recommended Age Grade:	-
Testing Period:	03/16/2020 – 03/23/2020	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
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QIMA Testing (HK) Limited

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TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)
PASS	Client's Requirement, Bisphenol A#ϕ
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers
PASS	19 CFR 134.11, Country of Origin#

DETAILED RESULTS:

CPSIA Section 101, 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+2+3	4+5+6	7+8	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	**100**
Conclusion	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.

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.	11+2+3	4+5+6	7+8	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	**100**
Conclusion	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.

Remark:
The specification is quoted from client's requirement.

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.		1+2+3	4+5+6	7+8	---	
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Limit (mg/kg)**
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	---	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	**1000**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	**1000**
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	---	**1000**
	Conclusion	PASS	PASS	PASS	---	

Note:
mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)
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.

Remark:
The specification is quoted from client's requirement.

DETAILED RESULTS:

16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)

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

Specimen No.		1+2+3	4+5+6	7+8	---	
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Limit (mg/kg)**
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	---	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	**1000**
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	---	**1000**
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	---	**1000**
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	---	**1000**
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	---	**1000**
	Conclusion	PASS	PASS	PASS	---	

Note:
mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)
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, Bisphenol A

Test Method: In-House Method[#ϕ]
Analytical Method: Liquid Chromatography with Fluorescence Detection, Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.		1	2	3	4	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		5	6	7	9	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

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

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	2		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.896	0.896	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	166.4	167.5	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	1.9	1.9	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.8	2.4	**0.5**	**9.8**
		Conclusion	PASS	PASS		

Specimen No.			3	4		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.900	0.896	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	167.0	166.5	**NA**	**150 – 180**
n-Hexane extractive (%)	Reflux	2 hours	1.7	1.4	**0.1**	**6.4**
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.6	2.7	**0.5**	**9.8**
		Conclusion	PASS	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.

DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32
Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			5		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Specimen No.			6		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
mg/in^2 = 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 181.32 (b) (3).

DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32
Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			7		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Specimen No.			9		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
mg/in^2 = 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 181.32 (b) (3).

DETAILED RESULTS:

19 CFR 134.11, Country of Origin#

Test	Observation	Conclusion
Country of Origin	Present on product and can be read easily by consumer at the point of sale	PASS

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Red plastic (PP-homo)	Slider/ lid (red style)
2	Deep blue plastic (PP-homo)	Slider/ lid (aqua style)
3	Black plastic (PP-homo)	Slider/ lid (smoke style)
4	Green plastic (PP-homo)	Slider/ lid (green style)
5	Clear red plastic (AS)	Inner body (red style)
6	Clear blue plastic (AS)	Inner body (aqua style)
7	Clear black plastic (AS)	Inner body (smoke style)
8	Clear plastic	Outer body (all styles); inner body (green style)
9	Clear plastic (AS)	Inner body (green style)

SAMPLE PHOTO:

-End Report-