AT-1500

TEST REPORT

Test Report #	18H-004726	Date of Report Issue:	August 3, 2018
Date of Sample Received:	July 3, 2018	Pages:	Page 1 of 16

CLIENT INFORMATION:

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

SAMPLE INFORMATION:

Description:	12Oz Paws N Claws Flat Bt		
Assortment:	Duck, Monkey, Owl	Purchase Order Number:	-
SKU/style No.:	PNCFLBTL-DUCK, PNCFLBTL-MONKEY, PNCFLBTL-OWL / PNCFLBTL	Toy Co./Agency:	-
Factory/Supplier/Vendor:	HCP017016	Country of Origin:	China
Country of Distribution:	United States, Canada	Labeled Age Grade:	-
Quantity Submitted:	3 pcs per style + 1 lot Parts	Recommended Age Grade:	Over 3 years of age
Testing Period:	07/26/2018 – 08/03/2018	Tested Age Grade:	Over 3 years of age

OVERALL RESULT: **PASS**

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

ANSECO GROUP (HK) LIMITED

Loska Yeung Lok Ka
Assistant Manager, Chemical Laboratory

ANSECO GROUP (HK) LIMITED

Ricky Cheung Chin Yeung
Manager, Physical Laboratory

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	CPSC 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#
PASS	FDA 21 CFR 177.1520, Polyethylene homopolymer
PASS	Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates
PASS	Canadian Phthalates Regulations SOR/2016-188, Phthalates (DBP, BBP, DEHP, DnOP, DINP, DIDP) in Mouthable Vinyl Materials
PASS	16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards
PASS	16 CFR 1500.3(c)(6)(vi), Flammability of Solids

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	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	7	8	9	10	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	---	**100**
Conclusion	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.

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	2	3	4	5	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	7	8	9	10	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	---	**100**
Conclusion	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.

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-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Dibutyl phthalate (DBP)	84-74-2	LT 300	LT 290	ND	ND	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	LT 300	LT 290	ND	ND	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	LT 300	LT 290	ND	ND	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	LT 300	LT 290	ND	ND	**1000**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	LT 300	LT 290	ND	ND	**1000**
Di-n-hexyl phthalate (DnHP)	84-75-3	LT 300	LT 290	ND	ND	**1000**
Conclusion		PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 120 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-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		5	7	8	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
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:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 120 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:

CPSC 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-C1001-09.3 (Modified)#, In-House Method#
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Dibutyl phthalate (DBP)	84-74-2	LT 300	LT 290	ND	ND	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	LT 300	LT 290	ND	ND	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	LT 300	LT 290	ND	ND	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	LT 300	LT 290	ND	ND	**1000**
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	LT 300	LT 290	ND	ND	**1000**
Dicyclohexyl phthalate (DCHP)	84-61-7	LT 300	LT 290	ND	ND	**1000**
Diisobutyl phthalate (DIBP)	84-69-5	LT 300	LT 290	ND	ND	**1000**
Di-n-pentyl phthalate (DPENP)	131-18-0	LT 300	LT 290	ND	ND	**1000**
Conclusion		PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 120 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

CPSC 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-C1001-09.3 (Modified) #, In-House Method#
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		5	7	8	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
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:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 120 ppm)
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#
Analytical Method: Liquid Chromatography with Fluorescence Detection

Specimen No.		1	2	3	5	
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.		6	7	8	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	**ND**
Conclusion		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, Polyethylene homopolymer

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	6		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.916	0.910	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	0.5	0.8	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.5	5.3	**1.0**	**11.3**
		Conclusion	PASS	PASS		

Specimen No.			7	8		
Test Item	Temp.	Duration	Result	Result	RL	Limit
Density (g/cc)	NA	NA	0.943	0.940	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	ND	0.5	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	ND	1.6	**1.0**	**11.3**
		Conclusion	PASS	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.

DETAILED RESULTS:

Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates

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	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	7	8	9	10	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	---	**90**
Conclusion	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.

DETAILED RESULTS:

Canadian Phthalates Regulations SOR/2016-188, Phthalates (DBP, BBP, DEHP, DnOP, DINP, DIDP) in Mouthable Vinyl Materials

Test Method: CPSC-CH-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Dibutyl phthalate (DBP)	84-74-2	LT 300	LT 290	ND	ND	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	LT 300	LT 290	ND	ND	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	LT 300	LT 290	ND	ND	**1000**
Di-n-octyl phthalate (DnOP)	117-84-0	LT 300	LT 290	ND	ND	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	LT 300	LT 290	ND	ND	**1000**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	LT 300	LT 290	ND	ND	**1000**
Conclusion		PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 120 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

Canadian Phthalates Regulations SOR/2016-188, Phthalates (DBP, BBP, DEHP, DnOP, DINP, DIDP) in Mouthable Vinyl Materials

Test Method: CPSC-CH-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		5	7	8	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
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**
Di-n-octyl phthalate (DnOP)	117-84-0	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**
Conclusion		PASS	PASS	PASS	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 120 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards

Mechanical hazards evaluated as described in 16 CFR 1500.51-1500.53, as applicable.

Test	Observation	Conclusion
Impact	No Sharp Edge or Sharp Point	PASS
Torque	No Sharp Edge or Sharp Point	PASS
Tension	No Sharp Edge or Sharp Point	PASS

16 CFR 1500.3(c)(6)(vi), Flammability of Solids

Flammable hazards evaluated as described in 16 CFR 1500.44.

Test	Observation	Conclusion
Flammability of Solids	The burn rate is less than or equal to 0.1 in/sec. The content is not defined as flammable solid according to 16 CFR 1500.3(c)(6)(vi).	PASS

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Clear laminated multicolor printed transparent plastic	Main shell (duck style)
2	Clear laminated multicolor printed transparent plastic	Main shell (monkey style)
3	Clear laminated multicolor printed transparent plastic	Main shell (owl style)
4	Clear plastic	Cover of lid (all styles)
5	White plastic (PE)	Spout (all styles)
6	Transparent plastic (PE)	Inner layer of main shell (all styles)
7	Dull white plastic (PE)	Lid (all styles)
8	Translucent plastic (PE)	Neck (all styles)
9	Dull slivery metal	Carabiner/ moving part of carabiner (all styles)
10	Slivery metal	Rivet of carabiner (all styles)

SAMPLE PHOTO:

-End Report-