

TEST REPORT

Test Report #	19H-001221(A1)	Date of Report Issue:	April 12, 2019
Date of Sample Received:	March 6, 2019	Pages:	Page 1 of 17

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description:	EPEX Mountains-to Sea Cap		
Assortment:	Gray/Gray, Gray/Orange, Gray/Royal	Purchase Order Number:	DP28390
SKU/style No.:	Refer to page 2	Toy Co./Agency:	-
Factory/Supplier/Vendor:	HWP026361	Country of Origin:	China
Country of Distribution:	United States, Canada	Labeled Age Grade:	-
Quantity Submitted:	Refer to page 2	Recommended Age Grade:	-
Testing Period:	03/15/2019 – 03/29/2019 04/10/2019 – 04/12/2019	Tested Age Grade:	-

OVERALL RESULT:



Refer to page 3 for test result summary and appropriate notes.

QIMA Testing (HK) Limited



Loska Yeung Lok Ka
 Assistant Manager, Chemical Laboratory

QIMA Testing (HK) Limited



Ricky Cheung Chin Yeung
 Manager, Physical Laboratory

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YOUR EYES IN THE SUPPLY CHAIN

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SKU/STYLE NO. / QUANTITY SUBMITTED DETAILS:

STYLE DESCRIPTION	SKU NO.	STYLE NO.	QTY
EPEX Mountains-to Sea Cap – Orange	VHDW018GY-OR	VHDW018	12 pcs
EPEX Mountains-to Sea Cap – Royal	VHDW018GY-RY	VHDW018	8 pcs
EPEX Mountains-to Sea Cap – Grey	VHDW018GY-GY	VHDW018	4 pcs
Parts	-	-	1 lot

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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 & 16 CFR 1303, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
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	Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)
PASS	AATCC 20-2013/AATCC 20A-2017, Fiber Analysis [#]
PASS	16 CFR 303 Textile Fiber Products Identification Label [#]
PASS	19 CFR 134.11, Country of Origin [#]
PASS	BS EN 13758-1:2002+A1:2006-Textiles-Solar UV Protective Properties (UPF 50+) [#]

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DETAILED RESULTS:**CPSIA Section 101 & 16 CFR 1303, 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	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	90
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.

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DETAILED RESULTS:**California Proposition 65, 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	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	90
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.

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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.	2	3	5	6	7	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	8	9	10	15	17	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	18	19	22	23	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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)

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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.	2	3	5	6	7	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	8	9	10	15	17	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	18	19	22	23	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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.

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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	5	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
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-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	1000
Conclusion		PASS	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.

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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.		6	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	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	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-hexyl phthalate (DnHP)	84-75-3	ND	ND	---	---	1000
Conclusion		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)

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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	5	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
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	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
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	1000
Conclusion		PASS	PASS	PASS	PASS	

Note:

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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.	6	7	---	---	Limit (mg/kg)
Test Item	CAS No.	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
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	---	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	---	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	---	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	---	1000
Conclusion		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)

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DETAILED RESULTS:**Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)**

Test Method: CH-HK-WI063
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry,
 Ultraviolet-Visible Spectrophotometry

Specimen No.	26	27	28	29	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Cadmium (Cd)	ND	ND	ND	ND	---	
Chromium VI (Cr VI)	ND	ND	ND	ND	---	
Lead (Pb)	ND	ND	ND	ND	---	
Mercury (Hg)	ND	ND	ND	ND	---	
Sum	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.

Total Chromium is reported for Chromium (VI) unless specified.

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DETAILED RESULTS:**AATCC 20-2013/AATCC 20A-2017, Fiber Analysis #**

Test	Result	Conclusion
Fiber Analysis	<u>Label claim:</u> Style - VHDW018 (Orange, Royal, Grey): 100% Cotton <u>Actual test:</u> Style - VHDW018 (Orange, Royal, Grey): 100% Cotton	PASS

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DETAILED RESULTS:**16 CFR 303 Textile Fiber Products Identification Label#**

Test	Observation	Conclusion
Fiber Content Label	Present on product and can be seen at point of sale	PASS
RN# Or Company Name	Present on label	PASS
Country of Origin	Present on label	PASS

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

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DETAILED RESULTS:**BS EN 13758-1:2002+A1:2006-Textiles-Solar UV Protective Properties (UPF 50+)[#]**

Sample	Result	Client's Requirement	Conclusion
Style: VHDW018 Grey fabric (hat fabric)	UPF > 50 T(UVA) _{AV} : 1.03% T(UVB) _{AV} : 0.74% T(UVA) standard deviation: 0.13% T(UVB) standard deviation: 0.11% UPF standard deviation: 17.61	UPF 50+	PASS
Style: VHDW018 Grey/white fabric (hat fabric with lining)	UPF > 50 T(UVA) _{AV} : 0.05% T(UVB) _{AV} : 0.05% T(UVA) standard deviation: 0.00% T(UVB) standard deviation: 0.00% UPF standard deviation: 2.41	UPF 50+	PASS

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YOUR EYES IN THE SUPPLY CHAIN

Test Report #: 19H-001221(A1)

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Grey coating	On straps (all styles)
2	Black printed white plastic	Sewn in label (all styles)
3	Black plastic	Buckle/ loop (all styles)
5	Dull black plastic	Inner bill (all styles)
6	White foam	Inner foam (all styles)
7	White pp non-woven	Inner trimming (all styles)
8	White felt	Inner trimming (all styles)
9	Multicolor knitted textile	Brand label (all styles)
10	Silvery printed grey textile	Edge of bill (all styles)
15	Grey textile with grey thread	Inner trimming/ sewing (all styles)
17	Matt grey/ off white textile with matt grey embroidery	Crown/ eyelet (Sea Cap-Grey style)
18	Sharp grey textile with blue/ dull blue embroidery thread	Crown/ eyelet/ sewing (Sea Cap-Royal style)
19	Off grey textile with orange/ dull orange embroidery thread	Crown/ eyelet/ sewing (Sea Cap-Royal style)
22	Black textile	Strap (all styles)
23	Dull black textile	Loop of strap (all styles)
26	White plastic	Plastic tie (all styles)
27	black/ red printed white paper	Information card (all styles)
28	Black printed dull white paper with adhesive	Sticker (all styles)
29	Matt white/ grey paper	Insert paper of cap (all styles)

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SAMPLE PHOTO:



-End Report-