



# TEST REPORT

Test Report # 18H-008141 Date of Report Issue: November 13, 2018  
 Date of Sample Received: October 22, 2018 Pages: Page 1 of 23

## CLIENT INFORMATION:

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



## SAMPLE INFORMATION:

Description: COB Aluminum Light, COB USB Light, COB Carabiner Light  
 Assortment: Black, Blue, Red, Gun Metal, Clear, White Purchase Order Number: -  
 SKU/style No.: Refer to Page 2 Toy Co./Agency: -  
 Factory/Supplier/Vendor: P026224 Country of Origin: China  
 Country of Distribution: United States, Canada Labeled Age Grade: -  
 Quantity Submitted: Refer to Page 2 Recommended Age Grade: -  
 Testing Period: 10/30/2018 – 11/07/2018 Tested Age Grade: -  
 11/13/2018 – 11/13/2018

## OVERALL RESULT:

**FAIL**

Refer to page 3 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

ANSECO GROUP (HK) LIMITED • 3/F Liven House • No. 61 – 63 King Yip Street • Kwun Tong • Kowloon • Hong Kong • Tel: (852)3185 8000

The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.

ANAB is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

**SKU/STYLE NO./ QUANTITY SUBMITTED DETAILED:**

Style description	SKU No.	Style No.	Qty.
COB Aluminum Light - BK	CTLS010-BK	CTLS010	1 pc
COB Aluminum Light - BL	CTLS010-BL	CTLS010	1 pc
COB Aluminum Light - GM	CTLS010-GM	CTLS010	2 pcs
COB Aluminum Light - RD	CTLS010-RD	CTLS010	2 pcs
COB Carabiner Light - RD	CTLS012-RD	CTLS012	2 pcs
COB Carabiner Light - RFBL	CTLS012-RFBL	CTLS012	2 pcs
COB Carabiner Light - WH	CTLS012-WH	CTLS012	2 pcs
COB USB Light	CTLS011-CL	CTLS011	6 pcs

ANSECO GROUP (HK) LIMITED • 3/F Liven House • No. 61 – 63 King Yip Street • Kwun Tong • Kowloon • Hong Kong • Tel: (852)3185 8000

*The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.*

*The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.*

*This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.*

*ANAB is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.*



---

**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) <sup>#</sup>
PASS	Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)
PASS	US Public Law 104-142 Title II, Mercury-Containing Battery Management Act <sup>#</sup>
<b>FAIL</b>	Canadian Products Containing Mercury Regulations (SOR/2014-254), Total Mercury in Battery <sup>#</sup>
PASS	19 CFR 134.11, Country of Origin <sup>#</sup>

**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 Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	10	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	13	14	15	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16	17	18	19	20	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	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.

ANSECO GROUP (HK) LIMITED • 3/F Liven House • No. 61 – 63 King Yip Street • Kwun Tong • Kowloon • Hong Kong • Tel: (852)3185 8000

The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.

ANAB is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

**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.	21	22	23	24	25	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	26	27	28	29	30	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	31	32	33	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	<b>100</b>
<b>Conclusion</b>	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 Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	10	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	12	13	14	15	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16	17	18	19	20	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	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.

ANSECO GROUP (HK) LIMITED • 3/F Liven House • No. 61 – 63 King Yip Street • Kwun Tong • Kowloon • Hong Kong • Tel: (852)3185 8000

The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.

ANAB is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

**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.	21	22	23	24	25	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	26	27	28	29	30	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	31	32	33	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	<b>100</b>
<b>Conclusion</b>	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	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
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
<b>Conclusion</b>		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	6	7	8	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
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
<b>Conclusion</b>		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.		9	10	11	12	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	LT 150	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	LT 150	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	LT 150	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	LT 150	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	LT 150	ND	ND	ND	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	LT 150	ND	ND	ND	1000
<b>Conclusion</b>		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.	13	---	---	---	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
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
<b>Conclusion</b>		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:****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)<sup>#</sup>

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
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
<b>Conclusion</b>		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:****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)<sup>#</sup>

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		5	6	7	8	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
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
<b>Conclusion</b>		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:****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)<sup>#</sup>

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		9	10	11	12	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	LT 150	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	LT 150	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	LT 150	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	LT 150	ND	ND	ND	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	LT 150	ND	ND	ND	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	LT 150	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	LT 150	ND	ND	ND	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	LT 150	ND	ND	ND	1000
<b>Conclusion</b>		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:****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)<sup>#</sup>

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	13	---	---	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)
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
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	---	---	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	---	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	---	---	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	---	---	1000
<b>Conclusion</b>	<b>PASS</b>	---	---	---	

*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:****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.	34	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Cadmium (Cd)	ND	---	---	---	---	
Chromium VI (Cr VI)	ND	---	---	---	---	
Lead (Pb)	ND	---	---	---	---	
Mercury (Hg)	ND	---	---	---	---	
Sum	ND	---	---	---	---	<b>100</b>
<b>Conclusion</b>	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.



**DETAILED RESULTS:****US Public Law 104-142 Title II, Mercury-Containing Battery Management Act**Test Method: In House Method<sup>#</sup>

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Alkaline Manganese Button Cell

Specimen No.	35	36	---	---	---	Total Limit (mg/cell)
Test Item	Result (mg/cell)	Result (mg/cell)	Result (mg/cell)	Result (mg/cell)	Result (mg/cell)	
Total Mercury (Hg)	ND	ND	---	---	---	<b>25</b>
<b>Conclusion</b>	PASS	PASS	---	---	---	

*Note:*

mg/cell = milligram per cell

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/cell)

**DETAILED RESULTS:****Canadian Products Containing Mercury Regulations (SOR/2014-254), Total Mercury in Battery**Test Method: In-House Method<sup>#</sup>

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	35	36	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Mercury (Hg)	900	ND	---	---	---	5
<b>Conclusion</b>	<b>FAIL</b>	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 = 1 ppm)

**DETAILED RESULTS:****19 CFR 134.11, Country of Origin#**

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

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Black plastic	Body/ lid (all carabiner styles)
2	Blue plastic	Holder (Carabiner blue style)
3	Red plastic	Holder (Carabiner red style)
4	White plastic	Holder (Carabiner white style)
5	Clear plastic	Window (all Carabiner/ all Aluminum light styles)
6	Transparent plastic	Body/ lid (USB light style)
7	Bright black plastic	Inner USB
8	Black plastic	Inner lid (all aluminum light styles)
9	White plastic	On PCB board (all Carabiner styles)
10	Dull black plastic	Inner body of push plate (all Aluminum light styles)
11	Green printed brown plastic	PCB board (all Carabiner styles)
12	Black soft plastic	Push button (all Carabiner styles)
13	Dull black soft plastic	Push button (all Aluminum light styles)
14	Bright silvery metal	USB plug (USB light style)
15	Sharp silvery metal	Opener of carabiner (all Carabiner styles)
16	Shiny silvery metal	Rivet (all carabiner styles)
17	Blue plated silvery metal	Carabiner (Carabiner blue style)
18	Red plated silvery metal	Carabiner (Carabiner red style)
19	Dull silvery metal	Clip (all Aluminum light styles)
20	Matt silvery metal	Inner spring (all Aluminum light styles)
21	Golden metal	Inner lid spring (all Aluminum light styles)
22	Off silvery metal	Spring of PCB board (all Carabiner styles)
23	Light silvery metal	Inner plate of PCB board (all Carabiner styles)
24	Soft silvery metal	Inner plate of push button lid (all Aluminum light styles)
25	Deep silvery metal	Magnet of lid (all Aluminum light styles)
26	Dull red plated dull silvery metal	Body (red Aluminum light style)
27	Matt red plated sharp silvery metal	Lid/ push button lid (red Aluminum light style)

ANSECO GROUP (HK) LIMITED • 3/F Liven House • No. 61 – 63 King Yip Street • Kwun Tong • Kowloon • Hong Kong • Tel: (852)3185 8000

The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.

ANAB is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
28	Black plated shiny silvery metal	Body (black Aluminum light style)
29	Dull black plated bright silvery metal	Lid/ push button lid (black Aluminum light style)
30	Blue plated soft silvery metal	Body (blue Aluminum light style)
31	Dull blue plated rare silvery metal	Lid/ push button lid (blue aluminum light style)
32	Grey plated light silvery metal	Body (gunmetal Aluminum light style)
33	Dull grey plated off silvery metal	Lid/ push button lid (gunmetal Aluminum light style)
34	Black printed transparent plastic with adhesive	Sticker (USB light style)
35	Bright silvery battery	Button cell (all Aluminum light styles)
36	Dull silvery battery	Button cell (all Carabiner styles)



**FAILURE PHOTO:**



C01



**SAMPLE PHOTO:**



-End Report-