



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

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**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 |

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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 | 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 [#] |
| FAIL | Canadian Products Containing Mercury Regulations (SOR/2014-254), Total Mercury in Battery [#] |
| 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 | 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. | 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 | 100 |
| Conclusion | 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 | 100 |
| Conclusion | 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 | 100 |
| Conclusion | 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.

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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. | 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 | 100 |
| Conclusion | 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 | 100 |
| Conclusion | 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 | --- | --- | 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. | 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 | 100 |
| Conclusion | 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 | 100 |
| Conclusion | 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 | 100 |
| Conclusion | 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 | 100 |
| Conclusion | 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.

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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. | 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 | 100 |
| Conclusion | 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 | 100 |
| Conclusion | 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 | --- | --- | 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-C1001-09.3

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 |
| 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 | 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 |
| 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. | | 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 |
| 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. | 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 |
| Conclusion | | 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)[#]

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 |
| 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:****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)[#]

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 |
| 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:****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)[#]

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 |
| 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:****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)[#]

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 |
| Conclusion | 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:****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 | --- | --- | --- | --- | 100 |
| 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.

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[#]

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 | --- | --- | --- | 25 |
| Conclusion | 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[#]

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 |
| Conclusion | FAIL | 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) |

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

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**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-