**Test Report No.: 68.431.20.01377.01**
**Dated: 2020-03-10**

| | | |
|---|---|---|
| **Applicant** | : | Spector & Co |
| **Address** | : | / |
| **Sample Description** | : | Vinyl hard cover black metal zip portfolio |
| **Product Type / End Use** | : | JOURNAL |
| **Item No.** | : | ST319 |
| **Style No.** | : | FABRIZIO |
| **Supplier** | : | USF038 |
| **Country of Origin** | : | China |
| **Exported to** | : | Canada & U.S.A. |
| **Test Sample Receipt Date, Location** | : | 2020-02-26, Shenzhen |
| **Test Period, Location** | : | From 2020-02-26 to 2020-03-10, Shenzhen |
| **Test Result(s)** | : | Refer to Section 3 |

**Purpose Of Examination / Conclusion:**

| No. | Test Item(s) | Conclusion |
|---|---|---|
| 1. | US California Proposition 65 - Total Cadmium Content Test - Substrate Materials | Pass* |
| 2. | US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials | Pass* |
| 3. | US California Proposition 65 - Total Lead Content Test - Substrate Materials | Pass* |
| 4. | US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials | Pass* |
| 5. | Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test | Pass |
| 6. | Canadian Surface Coating Materials Regulations SOR/2016-193 – Total Lead Content Test | Pass |
| 7. | Phthalates Content (11P) | Pass* |

**Laboratory:**
TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

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| No. | Test Item(s) | Conclusion |
|---|---|---|
| 8. | US California Proposition 65 - Phthalates Content (6P) | Pass* |
| 9. | U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P) | Pass |
| 10. | Tungsten Content Test | Report As Is |
| 11. | Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Mercury Content Test | Pass |
| 12. | Nickel Content Test | Report As Is |

Remarks:
(1) The results relate only to the items tested.
(2) Samples are tested as received.
(3) “*” denotes the conclusion was drawn according to the client's specification.
(4) The test item and samples were specified by the client
(5) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expended uncertainty for "pass", "Fail" and "Inconclusive" is 95%.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

Prepared by:

<Cara Xiang>
<Senior Project Coordinator>

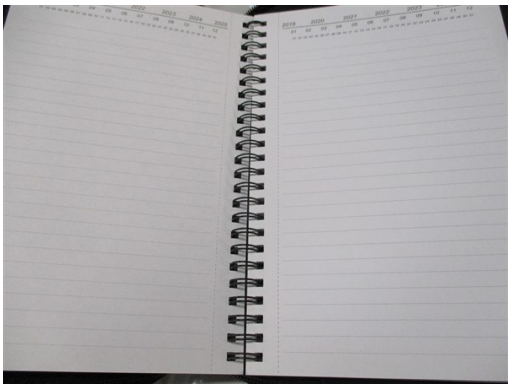
Reviewed by:

<Ken Chen>
<Project Manager>

## 1. Description of the Test Sample:

| Sample Description | Vinyl hard cover black metal zip portfolio |
|---|---|

## 2. List of Materials as identified by the Laboratory:

| T. No. | Sample No. | Colour and Description | Photograph |
|---|---|---|---|
| T1 | 001 | Black PU (Cover) |  |
| T2 | 002 | Black plastic (Zipper teeth) | |
| T3 | 003 | Black coating (On zipper head/ zipper puller & connector) | |
| T4 | 004 | Silver color metal (Zipper head) | |
| T5 | 005 | Silver color metal (Zipper puller) | |
| T6 | 006 | Matt-black PU (Lining) | |
| T7 | 007 | Bright silver color metal (Upper snap) | |
| T8 | 008 | Bright silver color metal (Back of upper snap) | |
| T9 | 009 | Bright silver color metal (Lower snap) | |
| T10 | 010 | Silver color metal (Connector) |  |

| T. No. | Sample No. | Colour and Description | Photograph |
|---|---|---|---|
| T11 | 011 | Bright black plastic (Cover of note) |  |
| T12 | 012 | Black soft plastic (Inner elastic band) | |
| T13 | 013 | Black thread (Elastic band) | |
| T14 | 014 | Black printed white paper (Page) | |
| T15 | 015 | Black fabric (Lining) |  |
| T16 | 016 | Black textile (Surface) |  |
| T17 | 017 | Matt-black fabric (Zipper band) |  |

**Laboratory:**
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## 3. Test Result

### 3.1 US California Proposition 65 - Total Cadmium Content Test - Substrate Materials

Test method: Acid digestion/Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

| Test item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 001+006 | Sample 002+011 | Sample 004 | |
| Cadmium | N.D. | N.D. | N.D. | <75 |
| **Conclusion** | Pass | Pass | Pass | - |

| Test item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 005 | Sample 007 | Sample 008 | |
| Cadmium | N.D. | N.D. | N.D. | <75 |
| **Conclusion** | Pass | Pass | Pass | - |

| Test item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 009 | Sample 010 | Sample 012 | |
| Cadmium | N.D. | N.D. | N.D. | <75 |
| **Conclusion** | Pass | Pass | Pass | - |

| Test item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 013+015+016 | Sample 014 | Sample 017 | |
| Cadmium | N.D. | N.D. | N.D. | <75 |
| **Conclusion** | Pass | Pass | Pass | - |

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

## 3.2 US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials

Test method: Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

| Test Item | Results [mg/kg] | Client's Specification [mg/kg] |
|---|---|---|
| | Sample 003 | |
| Cadmium | N.D. | <75 |
| **Conclusion** | Pass | - |

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

### 3.3 US California Proposition 65 - Total Lead Content Test - Substrate Materials

Test method: Acid digestion or Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

| Test Item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 001+006 | Sample 002+011 | Sample 004 | |
| Lead | N.D. | N.D. | N.D. | <100 |
| **Conclusion** | Pass | Pass | Pass | - |

| Test Item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 005 | Sample 007 | Sample 008 | |
| Lead | N.D. | N.D. | N.D. | <100 |
| **Conclusion** | Pass | Pass | Pass | - |

| Test Item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 009 | Sample 010 | Sample 012 | |
| Lead | N.D. | N.D. | N.D. | <100 |
| **Conclusion** | Pass | Pass | Pass | - |

| Test Item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 013+015+016 | Sample 014 | Sample 017 | |
| Lead | N.D. | N.D. | N.D. | <100 |
| **Conclusion** | Pass | Pass | Pass | - |

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

### 3.4 US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials

Test method: Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

| Test Item | Results [mg/kg] | Client's Specification [mg/kg] |
|---|---|---|
| | Sample 003 | |
| Lead | N.D. | <90 |
| **Conclusion** | Pass | - |

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

### 3.5 Total Lead Content Test

Consumer Products Containing Lead Regulations SOR/2018-83
Acid digestion / Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).
[Reporting Limit: 10.0mg/kg]

| Analyte | Result [mg/kg] | | |
|---|---|---|---|
| | Sample 001+006 | Sample 002+011 | Sample 003 |
| Lead | N.D. | N.D. | N.D. |
| **Limit** | <90 | | |
| **Conclusion** | Pass | Pass | Pass |

| Analyte | Result [mg/kg] | | |
|---|---|---|---|
| | Sample 004 | Sample 005 | Sample 007 |
| Lead | N.D. | N.D. | N.D. |
| **Limit** | <90 | | |
| **Conclusion** | Pass | Pass | Pass |

| Analyte | Result [mg/kg] | | |
|---|---|---|---|
| | Sample 008 | Sample 009 | Sample 010 |
| Lead | N.D. | N.D. | N.D. |
| **Limit** | <90 | | |
| **Conclusion** | Pass | Pass | Pass |

| Analyte | Result [mg/kg] | | |
|---|---|---|---|
| | Sample 012 | Sample 013+015+016 | Sample 014 |
| Lead | N.D. | N.D. | N.D. |
| **Limit** | <90 | | |
| **Conclusion** | Pass | Pass | Pass |

| Analyte | Result [mg/kg] |
|---|---|
| | Sample 017 |
| Lead | N.D. |
| **Limit** | <90 |
| **Conclusion** | Pass |

Note 1. “mg/kg” denotes milligram per kilogram
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 10.0mg/kg

### 3.6 Total Lead Content Test

Surface Coating Materials Regulations SOR/2016-193
Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

| **Analyte** | **Result [mg/kg]** |
|---|---|
| | **Sample 003** |
| Lead | N.D. |
| **Limit** | <90 |
| **Conclusion** | Pass |

Note 1. “mg/kg” denotes milligram per kilogram
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 10.0mg/kg

### 3.7 Phthalates Content (11P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

| Test Items | CAS No. | Results [%] | | | Client's Specification [%] |
|---|---|---|---|---|---|
| | | Sample 001+006 | Sample 002+011 | Sample 003 | |
| Di-(2-ethylhexyl)-phthalat (DEHP) | 117-81-7 | N.D. | N.D. | N.D. | <0.1 |
| Dibutylbenzylphthalat (DBP) | 84-74-2 | N.D. | N.D. | N.D. | <0.1 |
| Diethyl phthalate (DEP) | 84-66-2 | N.D. | N.D. | N.D. | <0.1 |
| Butylbenzylphthalat (BBP) | 85-68-7 | N.D. | N.D. | N.D. | <0.1 |
| Di-iso-butylphthalat (DIBP) | 84-69-5 | N.D. | N.D. | N.D. | <0.1 |
| Di-isononyl phthalate (DINP) | 28553-12-0 , 68515-48-0 | N.D. | N.D. | N.D. | <0.1 |
| Di-isodecylphthalat (DIDP) | 26761-40-0 , 68515-49-1 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-octylphthalat (DNOP) | 117-84-0 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-hexyl phthalate (DnHP) | 84-75-3 | N.D. | N.D. | N.D. | <0.1 |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-pentyphthalat (DNPP) | 131-18-0 | N.D. | N.D. | N.D. | <0.1 |
| **Conclusion** | | Pass | Pass | Pass | - |

Note 1. “%” denotes percentage by weight
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 0.005%

### 3.7 Phthalates Content (11P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

| Test Items | CAS No. | Results [%] | | | Client's Specification [%] |
|---|---|---|---|---|---|
| | | Sample 012 | Sample 013+015 +016 | Sample 014 | |
| Di-(2-ethylhexyl)-phthalat (DEHP) | 117-81-7 | N.D. | N.D. | N.D. | <0.1 |
| Dibutylbenzylphthalat (DBP) | 84-74-2 | N.D. | N.D. | N.D. | <0.1 |
| Diethyl phthalate (DEP) | 84-66-2 | N.D. | N.D. | N.D. | <0.1 |
| Butylbenzylphthalat (BBP) | 85-68-7 | N.D. | N.D. | N.D. | <0.1 |
| Di-iso-butylphthalat (DIBP) | 84-69-5 | N.D. | N.D. | N.D. | <0.1 |
| Di-isononyl phthalate (DINP) | 28553-12-0 , 68515-48-0 | N.D. | N.D. | N.D. | <0.1 |
| Di-isodecylphthalat (DIDP) | 26761-40-0 , 68515-49-1 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-octylphthalat (DNOP) | 117-84-0 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-hexyl phthalate (DnHP) | 84-75-3 | N.D. | N.D. | N.D. | <0.1 |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-pentyphthalat (DNPP) | 131-18-0 | N.D. | N.D. | N.D. | <0.1 |
| **Conclusion** | | Pass | Pass | Pass | - |

Note 1. “%” denotes percentage by weight
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 0.005%

### 3.7 Phthalates Content (11P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

| Test Items | CAS No. | Results [%] | Client's Specification [%] |
|---|---|---|---|
| | | Sample 017 | |
| Di-(2-ethylhexyl)-phthalat (DEHP) | 117-81-7 | N.D. | <0.1 |
| Dibutylbenzylphthalat (DBP) | 84-74-2 | N.D. | <0.1 |
| Diethyl phthalate (DEP) | 84-66-2 | N.D. | <0.1 |
| Butylbenzylphthalat (BBP) | 85-68-7 | N.D. | <0.1 |
| Di-iso-butylphthalat (DIBP) | 84-69-5 | N.D. | <0.1 |
| Di-isononyl phthalate (DINP) | 28553-12-0 , 68515-48-0 | N.D. | <0.1 |
| Di-isodecylphthalat (DIDP) | 26761-40-0 , 68515-49-1 | N.D. | <0.1 |
| Di-n-octylphthalat (DNOP) | 117-84-0 | N.D. | <0.1 |
| Di-n-hexyl phthalate (DnHP) | 84-75-3 | N.D. | <0.1 |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | N.D. | <0.1 |
| Di-n-pentyphthalat (DNPP) | 131-18-0 | N.D. | <0.1 |
| **Conclusion** | | Pass | - |

Note 1. “%” denotes percentage by weight
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 0.005%

### 3.8 US California Proposition 65 - Phthalates Content (6P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

| Test Items | CAS No. | Results [%] | | | Client's Specification [%] |
|---|---|---|---|---|---|
| | | Sample 001+006 | Sample 002+011 | Sample 003 | |
| Dibutyl phthalate, (DBP) | 84-74-2 | N.D. | N.D. | N.D. | <0.1 |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | N.D. | N.D. | N.D. | <0.1 |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | N.D. | N.D. | N.D. | <0.1 |
| Di-isodecyl phthalate, (DIDP) | 26761-40-0 , 68515-49-1 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-hexyl phthalate (DNHP) | 84-75-3 | N.D. | N.D. | N.D. | <0.1 |
| Di-isononyl phthalate, (DINP) | 28553-12-0 , 68515-48-0 | N.D. | N.D. | N.D. | <0.1 |
| **Conclusion** | | Pass | Pass | Pass | - |

| Test Items | CAS No. | Results [%] | | | Client's Specification [%] |
|---|---|---|---|---|---|
| | | Sample 012 | Sample 013+015 +016 | Sample 014 | |
| Dibutyl phthalate, (DBP) | 84-74-2 | N.D. | N.D. | N.D. | <0.1 |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | N.D. | N.D. | N.D. | <0.1 |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | N.D. | N.D. | N.D. | <0.1 |
| Di-isodecyl phthalate, (DIDP) | 26761-40-0 , 68515-49-1 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-hexyl phthalate (DNHP) | 84-75-3 | N.D. | N.D. | N.D. | <0.1 |
| Di-isononyl phthalate, (DINP) | 28553-12-0 , 68515-48-0 | N.D. | N.D. | N.D. | <0.1 |
| **Conclusion** | | Pass | Pass | Pass | - |

Note 1. “%” denotes percentage by weight
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 0.005%

### 3.8 US California Proposition 65 - Phthalates Content (6P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

| Test Items | CAS No. | Results [%] | Client's Specification [%] |
|---|---|---|---|
| | | Sample 017 | |
| Dibutyl phthalate, (DBP) | 84-74-2 | N.D. | <0.1 |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | N.D. | <0.1 |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | N.D. | <0.1 |
| Di-isodecyl phthalate, (DIDP) | 26761-40-0 , 68515-49-1 | N.D. | <0.1 |
| Di-n-hexyl phthalate (DNHP) | 84-75-3 | N.D. | <0.1 |
| Di-isononyl phthalate, (DINP) | 28553-12-0 , 68515-48-0 | N.D. | <0.1 |
| **Conclusion** | | Pass | - |

Note 1. "%" denotes percentage by weight
2. "<" denotes less than
3. "N.D." denotes Not Detected with Detection Limit 0.005%

### 3.9 U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)

CPSC-CH-C1001-09.4 – Standard Operating Procedure for Determination of Phthalates
[Reporting Limit = 0.005%]

| Phthalates | CAS No. | Results [%] | | | Limit [%] |
|---|---|---|---|---|---|
| | | Sample 001+006 | Sample 002+011 | Sample 003 | |
| Dibutyl phthalate, (DBP) | 84-74-2 | N.D. | N.D. | N.D. | <0.1 |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | N.D. | N.D. | N.D. | <0.1 |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | N.D. | N.D. | N.D. | <0.1 |
| Diisobutylphthalate, (DIBP) | 84-69-5 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-hexyl phthalate (DHEXP) | 84-75-3 | N.D. | N.D. | N.D. | <0.1 |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | N.D. | N.D. | N.D. | <0.1 |
| Di-isononyl phthalate, (DINP) | 28553-12-0 , 68515-48-0 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-pentyl phthalates (DPENP) | 131-18-0 | N.D. | N.D. | N.D. | <0.1 |
| **Conclusion** | | Pass | Pass | Pass | - |

Note 1. “%” denotes percentage by weight
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 0.005%

### 3.9 U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)

CPSC-CH-C1001-09.4 – Standard Operating Procedure for Determination of Phthalates
[Reporting Limit = 0.005%]

| Phthalates | CAS No. | Results [%] | | | Limit [%] |
|---|---|---|---|---|---|
| | | Sample 012 | Sample 013+015 +016 | Sample 014 | |
| Dibutyl phthalate, (DBP) | 84-74-2 | N.D. | N.D. | N.D. | <0.1 |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | N.D. | N.D. | N.D. | <0.1 |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | N.D. | N.D. | N.D. | <0.1 |
| Diisobutylphthalate, (DIBP) | 84-69-5 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-hexyl phthalate (DHEXP) | 84-75-3 | N.D. | N.D. | N.D. | <0.1 |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | N.D. | N.D. | N.D. | <0.1 |
| Di-isononyl phthalate, (DINP) | 28553-12-0 , 68515-48-0 | N.D. | N.D. | N.D. | <0.1 |
| Di-n-pentyl phthalates (DPENP) | 131-18-0 | N.D. | N.D. | N.D. | <0.1 |
| **Conclusion** | | Pass | Pass | Pass | - |

Note 1. “%” denotes percentage by weight
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 0.005%

### 3.9 U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)

CPSC-CH-C1001-09.4 – Standard Operating Procedure for Determination of Phthalates
[Reporting Limit = 0.005%]

| **Phthalates** | **CAS No.** | **Results [%]** | **Limit [%]** |
|---|---|---|---|
| | | **Sample 017** | |
| Dibutyl phthalate, (DBP) | 84-74-2 | N.D. | <0.1 |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | N.D. | <0.1 |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | N.D. | <0.1 |
| Diisobutylphthalate, (DIBP) | 84-69-5 | N.D. | <0.1 |
| Di-n-hexyl phthalate (DHEXP) | 84-75-3 | N.D. | <0.1 |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | N.D. | <0.1 |
| Di-isononyl phthalate, (DINP) | 28553-12-0 , 68515-48-0 | N.D. | <0.1 |
| Di-n-pentyl phthalates (DPENP) | 131-18-0 | N.D. | <0.1 |
| **Conclusion** | | Pass | - |

Note 1. “%” denotes percentage by weight
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 0.005%

### 3.10 Tungsten Content Test

Test method: EPA 3050B:1996, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

| Test Item | Results [mg/kg] | Client's Specification [mg/kg] |
|---|---|---|
| | Sample 010 | |
| Tungsten | N.D. | - |
| **Conclusion** | Report As Is | - |

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

### 3.11 Total Mercury Content Test

Surface Coating Materials Regulations SOR/2016-193
Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

| Test Item | Results [mg/kg] | Limit [mg/kg] |
|---|---|---|
| | Sample 003 | |
| Mercury | N.D. | <10 |
| **Conclusion** | Pass | - |

Note 1. "mg/kg" denotes milligram per kilogram
2. "<" denotes less than
3. "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

### 3.12 Nickel Content Test

Test method: Acid digestion and analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 15.0mg/kg]

| Test Item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 004 | Sample 005 | Sample 007 | |
| Nickel | N.D. | N.D. | 11535.066 | - |
| **Conclusion** | Report As Is | Report As Is | Report As Is | - |

| Test Item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|---|---|---|---|---|
| | Sample 008 | Sample 009 | Sample 010 | |
| Nickel | 8923.304 | 20646.147 | 64.716 | - |
| **Conclusion** | Report As Is | Report As Is | Report As Is | - |

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 15.0mg/kg

-- END OF TEST REPORT--