

| Applicant | : | Spector & Co |
|------------------------------------|---|-----------------------------------------|
| Address | : | 1 |
| Sample Description | : | PEN/HIGHLIGHTER |
| Product Type / End Use | : | WRITING INSTRUMENT |
| Item No. | : | G1227 |
| Style No. | : | BLOSSOM |
| Supplier | | USD030 |
| Country of Origin | • | China |
| Exported to | : | Canada & U.S.A. |
| Test Sample Receipt Date, Location | | 2019-07-02, 2019-11-05, Shenzhen |
| Test Period, Location | : | From 2019-07-02 to 2019-11-07, Shenzhen |
| Test Result(s) | : | Refer to Section 3 |

Purpose Of Examination / Conclusion:

| No. | Test Item(s) | Conclusion |
|-----|----------------------------------------------------------------------------|------------|
| 4 | US California Proposition 65 - Total Cadmium Content Test - Substrate | Pass* |
| 1. | Materials | Pass |
| 2. | US California Proposition 65 - Total Cadmium Content Test - Paint and | Pass* |
| Ζ. | Similar Surface-Coating Materials | F 855 |
| 3. | US California Proposition 65 - Total Lead Content Test - Substrate | Pass* |
| э. | Materials | F d 3 3 |
| 4. | US California Proposition 65 - Total Lead Content Test - Paint and Similar | Pass* |
| 4. | Surface-Coating Materials | F d 3 3 |
| 5. | Canadian Consumer Products Containing Lead Regulations SOR/2018- | Pass |
| 5. | 83 - Total Lead Content Test | Fass |
| 6. | Canadian Surface Coating Materials Regulations SOR/2016-193 – | Pass |
| υ. | Total Lead Content Test | F 855 |
| 7. | Phthalates Content | Pass* |

Laboratory:

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Test Report No.: 68.431.19.03375.01 Dated: 2019-11-08



| No. | Test Item(s) | Conclusion |
|-----|---------------------------------------------------|--------------|
| 8. | US California Proposition 65 - Phthalates Content | Pass* |
| 9. | U.S. CFR Title 16 Part 1307 - Phthalates Content | Pass |
| 10. | Tungsten 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>

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Laboratory:

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1. Description of the Test Sample:

| Sample Description | PEN/HIGHLIGHTER |
|--------------------|-----------------|

2. List of Materials as identified by the Laboratory:

| T. No. | Sample No. | Colour and Description | Photograph |
|--------|------------|----------------------------------------------------|------------|
| T1 | 001 | Translucent black plastic (Cap of marker) | |
| T2 | 002 | Yellow ink (Marker ink) | |
| Т3 | 003 | Black plastic (Collar of marker) | |
| T4 | 004 | Shiny blue coating (Barrel) | |
| T5 | 005 | White plastic (Barrel) | - |
| Т6 | 006 | Black soft plastic (On handle of pen) | |
| T7 | 007 | Silver coating (Collar & barrel of pen) | |
| Т8 | 008 | Translucent white plastic (Collar & barrel of pen) | |
| Т9 | 009 | Matt black plastic (Switch of pen) | |

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Test Report No.: 68.431.19.03375.01 Dated: 2019-11-08



| T. No. | Sample No. | Colour and Description | Photograph |
|--------|------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| T10 | 010 | Snow white plastic (Core inner pen) | |
| T11 | 011 | Flat white plastic (Movable part on core of pen) | |
| T12 | 012 | Golden metal (Spring inner pen) | |
| T13 | 013 | Silvery metal (Tip of pen) | |
| T14 | 014 | Silvery metal (Ball of tip) | * |
| T15 | 015 | Black ink (Pen ink) | |
| T16 | 016 | Shiny green coating (Barrel) | |
| T17 | 017 | Shiny black coating (Barrel) | |
| T18 | 018 | Shiny red coating (Barrel) | <i>ula 47 48 49 50 51 52 53 54 55 56 57 58 59 60</i> 61 62 63 64 65 66 67 68 69 70 11 72 73 14 15 16 11 18 19 80 8 |

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]

| | R | Results [mg/kg] | | |
|------------|-----------------------|-----------------|-------------------|--------------------------|
| Test item | Sample 001+003+005 | Sample 006 | Sample 008+009 | Specification [mg/kg] |
| Cadmium | N.D. | N.D. | N.D. | <75 |
| Conclusion | Pass | Pass | Pass | - |

| | | Results [mg/kg] | | |
|------------|-------------------|-----------------|---------------|--------------------------|
| Test item | Sample 010+011 | Sample 012 | Sample 013 | Specification [mg/kg] |
| Cadmium | N.D. | N.D. | N.D. | <75 |
| Conclusion | Pass | Pass | Pass | - |

| | Results [mg/kg] | Client's |
|------------|-----------------|---------------|
| Test item | Sample | Specification |
| | 014 | [mg/kg] |
| 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

Laboratory:

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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]

| | | Results [mg/kg] | | |
|------------|---------------|-------------------|---------------|--------------------------|
| Test Item | Sample 002 | Sample 004+007 | Sample 015 | Specification [mg/kg] |
| Cadmium | N.D. | N.D. | N.D. | <75 |
| Conclusion | Pass | Pass | Pass | - |

| Test Item | Results [mg/kg] Sample | Client's Specification |
|------------|------------------------|---------------------------|
| | 016+017+018 | [mg/kg] |
| 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

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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]

| | Results [mg/kg] | | | Client's |
|------------|-----------------------|---------------|-------------------|--------------------------|
| Test Item | Sample 001+003+005 | Sample 006 | Sample 008+009 | Specification [mg/kg] |
| Lead | N.D. | N.D. | N.D. | <100 |
| Conclusion | Pass | Pass | Pass | - |

| | | Results [mg/kg] | | | |
|------------|-------------------|-----------------|---------------|--------------------------|--|
| Test Item | Sample 010+011 | Sample 012 | Sample 013 | Specification [mg/kg] | |
| Lead | N.D. | N.D. | 41.1 | <100 | |
| Conclusion | Pass | Pass | Pass | - | |

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

Note:

- "mg/kg" denotes milligram per kilogram

"<" denotes less than

- "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

Laboratory:

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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]

| | | Results [mg/kg] | | | | |
|------------|---------------|-------------------|---------------|--------------------------|--|--|
| Test Item | Sample 002 | Sample 004+007 | Sample 015 | Specification [mg/kg] | | |
| Lead | N.D. | N.D. | N.D. | <90 | | |
| Conclusion | Pass | Pass | Pass | - | | |

| Test Item | | Results [mg/kg] Sample 016+017+018 | Client's Specification [mg/kg] |
|------------|--|------------------------------------------|--------------------------------------|
| 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

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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]

| | Result [mg/kg] | | | | |
|------------|----------------|------|--------|--|--|
| Analyte | Sample | | Sample | | |
| | 001+003+005 | 002 | 004 | | |
| Lead | N.D. | N.D. | N.D. | | |
| Limit | | <90 | | | |
| Conclusion | Pass | Pass | Pass | | |

| | Result [mg/kg] | | | | |
|------------|-------------------|---------------|-------------------|--|--|
| Analyte | Sample 004+007 | Sample 006 | Sample 008+009 | | |
| Lead | N.D. | N.D. | N.D. | | |
| Limit | | <90 | | | |
| Conclusion | Pass | Pass | Pass | | |

| | | Result [mg/kg] | | | | |
|------------|-------------------|----------------|---------------|--|--|--|
| Analyte | Sample 010+011 | Sample 012 | Sample 013 | | | |
| Lead | N.D. | N.D. | 41.1 | | | |
| Limit | | <90 | | | | |
| Conclusion | Pass | Pass | Pass | | | |

| | Result [mg/kg] | | | | | |
|------------|----------------|--------|-------------|--|--|--|
| Analyte | Sample | Sample | Sample | | | |
| | 014 | 015 | 016+017+018 | | | |
| Lead | N.D. | N.D. | N.D. | | | |
| Limit | | <90 | | | | |
| Conclusion | Pass | Pass | 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

Laboratory:

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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]

| | Result [mg/kg] | | | | |
|------------|----------------|---------|--------|--|--|
| Analyte | Sample | Sample | Sample | | |
| | 002 | 004+007 | 015 | | |
| Lead | N.D. | N.D. | N.D. | | |
| Limit | | <90 | | | |
| Conclusion | Pass | Pass | Pass | | |

| | Result [mg/kg] |
|--------------------------------------------|----------------|
| Analyte | Sample |
| | 016+017+018 |
| Lead | N.D. |
| Limit | <90 |
| Conclusion | Pass |
| Note 1. "mg/kg" denotes milligram per kilo | ogram |

2. "<" denotes less than

3. "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

Laboratory:

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3.7 Phthalates Content

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

| | | Results [%] | | | Client's |
|-----------------------------------|----------------------------|---------------------------|---------------|---------------|----------------------|
| Test Items | CAS No. | Sample 001+003 +005 | Sample 002 | Sample 004 | Specification [%] |
| 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%

Laboratory:

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3.7 Phthalates Content

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

| | | F | Results [% | Client's | |
|-----------------------------------|----------------------------|---------------|-------------------|-------------------|----------------------|
| Test Items | CAS No. | Sample 006 | Sample 008+009 | Sample 010+011 | Specification [%] |
| 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 | 1 | Pass | Pass | Pass | - |

Note 1. "%" denotes percentage by weight

- 2. "<" denotes less than
- 3. "N.D." denotes Not Detected with Detection Limit 0.005%

Laboratory:

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3.7 Phthalates Content

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

| | | Resu | Client's | |
|-----------------------------------|----------------------------|---------------|-----------------------|----------------------|
| Test Items | CAS No. | Sample 015 | Sample 016+017+018 | Specification [%] |
| Di-(2-ethylhexyl)-phthalat (DEHP) | 117-81-7 | N.D. | N.D. | <0.1 |
| Dibutylbenzylphthalat (DBP) | 84-74-2 | N.D. | N.D. | <0.1 |
| Diethyl phthalate (DEP) | 84-66-2 | N.D. | N.D. | <0.1 |
| Butylbenzylphthalat (BBP) | 85-68-7 | N.D. | N.D. | <0.1 |
| Di-iso-butylphthalat (DIBP) | 84-69-5 | N.D. | N.D. | <0.1 |
| Di-isononyl phthalate (DINP) | 28553-12-0, 68515-48-0 | N.D. | N.D. | <0.1 |
| Di-isodecylphthalat (DIDP) | 26761-40-0 , 68515-49-1 | N.D. | N.D. | <0.1 |
| Di-n-octylphthalat (DNOP) | 117-84-0 | N.D. | N.D. | <0.1 |
| Di-n-hexyl phthalate (DnHP) | 84-75-3 | N.D. | N.D. | <0.1 |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | N.D. | N.D. | <0.1 |
| Di-n-pentyphthalat (DNPP) | 131-18-0 | N.D. | N.D. | <0.1 |
| Conclusion | 1 | Pass | Pass | - |

Note 1. "%" denotes percentage by weight

- 2. "<" denotes less than
- 3. "N.D." denotes Not Detected with Detection Limit 0.005%

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3.8 US California Proposition 65 - Phthalates Content

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

| | | Results [%] | | | Client's |
|--------------------------------------|----------------------------|---------------------------|---------------|---------------|----------------------|
| Test Items | CAS No. | Sample 001+003 +005 | Sample 002 | Sample 004 | Specification [%] |
| 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 | - |

| | | Results [%] | | | Client's | |
|--------------------------------------|----------------------------|---------------|-------------------|-------------------|----------------------|--|
| Test Items | CAS No. | Sample 006 | Sample 008+009 | Sample 010+011 | Specification [%] | |
| 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%

Laboratory:

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3.8 US California Proposition 65 - Phthalates Content

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

| | | Resu | Client's | |
|--------------------------------------|----------------------------|---------------|-----------------------|----------------------|
| Test Items | CAS No. | Sample 015 | Sample 016+017+018 | Specification [%] |
| Dibutyl phthalate, (DBP) | 84-74-2 | N.D. | N.D. | <0.1 |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | N.D. | N.D. | <0.1 |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | N.D. | N.D. | <0.1 |
| Di-isodecyl phthalate, (DIDP) | 26761-40-0 , 68515-49-1 | N.D. | N.D. | <0.1 |
| Di-n-hexyl phthalate (DNHP) | 84-75-3 | N.D. | N.D. | <0.1 |
| Di-isononyl phthalate, (DINP) | 28553-12-0 , 68515-48-0 | N.D. | N.D. | <0.1 |
| Conclusion | | Pass | Pass | - |

Note 1. "%" denotes percentage by weight

2. "<" denotes less than

3. "N.D." denotes Not Detected with Detection Limit 0.005%

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3.9 U.S. CFR Title 16 Part 1307 - Phthalates Content

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

| | | | Results [% | | |
|--------------------------------------|----------------------------|---------------------------|---------------|---------------|--------------|
| Phthalates | CAS No. | Sample 001+003 +005 | Sample 002 | Sample 004 | Limit [%] |
| 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%

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3.9 U.S. CFR Title 16 Part 1307 - Phthalates Content

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

| | | Results [%] | | | Limit |
|--------------------------------------|----------------------------|---------------|-------------------|-------------------|-------|
| Phthalates | CAS No. | Sample 006 | Sample 008+009 | Sample 010+011 | [%] |
| 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%

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3.9 U.S. CFR Title 16 Part 1307 - Phthalates Content

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

| | | Resul | Limit | | |
|--------------------------------------|----------------------------|---------------|-----------------------|------|--|
| Phthalates | CAS No. | Sample 015 | Sample 016+017+018 | [%] | |
| Dibutyl phthalate, (DBP) | 84-74-2 | N.D. | N.D. | <0.1 | |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | N.D. | N.D. | <0.1 | |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | N.D. | N.D. | <0.1 | |
| Diisobutylphthalate, (DIBP) | 84-69-5 | N.D. | N.D. | <0.1 | |
| Di-n-hexyl phthalate (DHEXP) | 84-75-3 | N.D. | N.D. | <0.1 | |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | N.D. | N.D. | <0.1 | |
| Di-isononyl phthalate, (DINP) | 28553-12-0 , 68515-48-0 | N.D. | N.D. | <0.1 | |
| Di-n-pentyl phthalates (DPENP) | 131-18-0 | N.D. | N.D. | <0.1 | |
| Conclusion | | Pass | Pass | - | |

Note 1. "%" denotes percentage by weight

2. "<" denotes less than

3. "N.D." denotes Not Detected with Detection Limit 0.005%

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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]

| | Results [mg/kg] | Client's |
|------------|-----------------|--------------------------|
| Test Item | Sample 012 | Specification [mg/kg] |
| 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



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