



Test Report No.: 68.431.19.02731.01

Dated: 2019-05-27

Applicant : Spector & Co

Address : /

Sample Description : plastic push-action ballpoint

Item No. : G1285

Style No. : PAMELA

Supplier : USX009

Country of Origin : China

Exported to : Canada & U.S.A

Test Sample Receipt Date, Location : 2019-05-17, Shenzhen

Test Period, Location : From 2019-05-17 to 2019-05-24, Shenzhen

Test Result(s) : Refer to Section 3

Test Report No.: 68.431.19.02731.01

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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 | Pass* |
| 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

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

TÜV SÜD Group

Prepared by:

Reviewed by:



<Cara Xiang>
<Senior Project Coordinator>

<Ken Chen>
<Project Manager>

Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC

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17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

No extract, abridgment or abstraction from a test report may be published or used to advertise a product without the written consent of the Director of TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch. The results contained herein apply only to the particular sample tested and to the specific test carried out and not to samples of the current production line.



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1. Description of the Test Sample:

| Sample Description | plastic push-action ballpoint |
|--|-------------------------------|
|  | |

2. List of Materials as identified by the Laboratory:

| T. No. | Sample No. | Colour and Description | Photograph |
|--------|------------|---|--|
| T1 | 001 | Shiny silver coating (Button, ring & collar of pen) |  |
| T2 | 002 | Beige plastic (Button, ring & collar of pen) | |
| T3 | 003 | Black plastic (Clip of pen) |  |
| T4 | 004 | White plastic (Barrel of pen) | |
| T5 | 005 | Black soft plastic (On barrel of pen) | |
| T6 | 006 | Off white plastic (Inner barrel of pen) | |
| T7 | 007 | Grey plastic (Core of pen) | |

| T. No. | Sample No. | Colour and Description | Photograph |
|--------|------------|--|--|
| T8 | 008 | Blue ink (Pen ink) |  |
| T9 | 009 | Golden metal (Spring inner pen) | |
| T10 | 010 | Silvery metal (Tip of core) |  |
| T11 | 011 | Silvery metal (Ball of tip) | |
| T12 | 012 | Dull grey plastic (Under button inner pen) |  |
| T13 | 013 | Light grey plastic (Clip) |  |
| T14 | 014 | Light grey soft plastic (On barrel of pen) | |

| T. No. | Sample No. | Colour and Description | Photograph |
|--------|------------|--|--|
| T15 | 015 | Flat white plastic (Inner pen) |  |
| T16 | 016 | Orange plastic (Clip) | |
| T17 | 017 | Orange soft plastic (On barrel of pen) | |
| T18 | 018 | Red plastic (Clip) | |
| T19 | 019 | Red soft plastic (On barrel of pen) | |
| T20 | 020 | Green plastic (Clip) | |
| T21 | 021 | Green soft plastic (On barrel of clip) | |
| T22 | 022 | Blue plastic (Clip) | |
| T23 | 023 | Blue soft plastic (On barrel of pen) | |

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 002+003+004 | Sample 005+014+017 | Sample 006+007+012 | |
| 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 011 | |
| 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 018+020+022 | Sample 019+021+023 | |
| 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



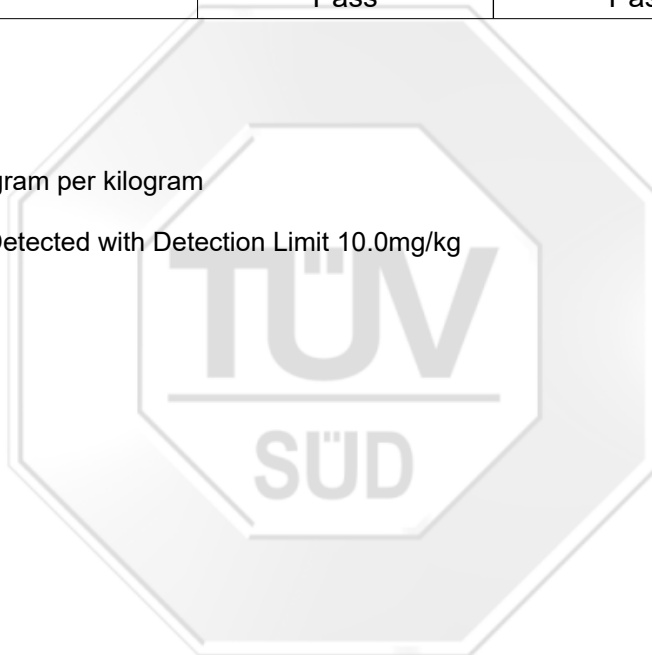
3.2 US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials

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 001 | Sample 008 | |
| Cadmium | N.D. | N.D. | <75 |
| Conclusion | Pass | 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 002+003+004 | Sample 005+014+017 | Sample 006+007+012 | |
| Lead | N.D. | 19.8 | 16.3 | <100 |
| Conclusion | Pass | Pass | Pass | - |

| Test Item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|------------|-----------------|------------|------------|--------------------------------|
| | Sample 009 | Sample 010 | Sample 011 | |
| Lead | N.D. | 42.6 | N.D. | <100 |
| Conclusion | Pass | Pass | Pass | - |

| Test Item | Results [mg/kg] | | | Client's Specification [mg/kg] |
|------------|--------------------|--------------------|--------------------|--------------------------------|
| | Sample 013+015+016 | Sample 018+020+022 | Sample 019+021+023 | |
| Lead | 22.2 | N.D. | 18.1 | <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

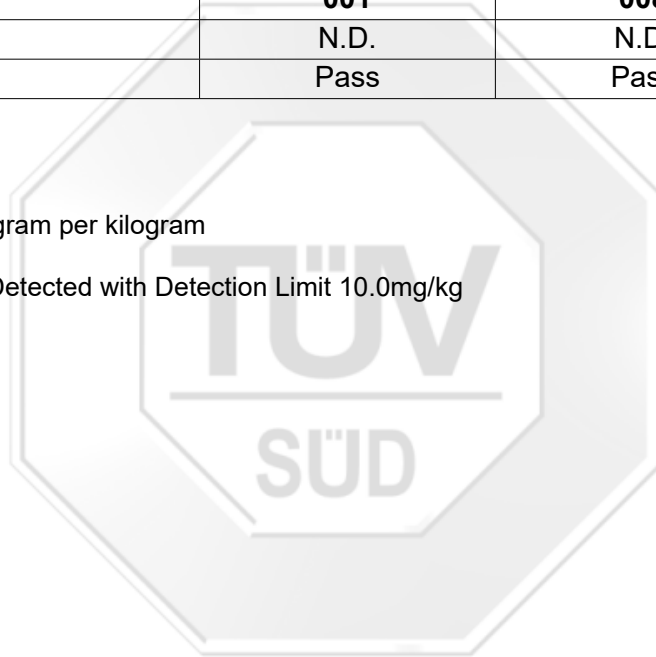
3.4 US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials

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 001 | Sample 008 | |
| Lead | N.D. | N.D. | <90 |
| Conclusion | Pass | 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

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 | Sample 002+003+004 | Sample 005+014+017 |
| Lead | N.D. | N.D. | 19.8 |
| Limit | <90 | | |
| Conclusion | Pass | Pass | Pass |

| Analyte | Result [mg/kg] | | |
|------------|--------------------|------------|------------|
| | Sample 006+007+012 | Sample 008 | Sample 009 |
| Lead | 16.3 | N.D. | N.D. |
| Limit | <90 | | |
| Conclusion | Pass | Pass | Pass |

| Analyte | Result [mg/kg] | | |
|------------|----------------|------------|--------------------|
| | Sample 010 | Sample 011 | Sample 013+015+016 |
| Lead | 42.6 | N.D. | 22.2 |
| Limit | <90 | | |
| Conclusion | Pass | Pass | Pass |

| Analyte | Result [mg/kg] | |
|------------|--------------------|--------------------|
| | Sample 018+020+022 | Sample 019+021+023 |
| Lead | N.D. | 18.1 |
| Limit | <90 | |
| Conclusion | 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



3.6 Total Lead

Surface Coating Materials Regulations SOR/2016-193

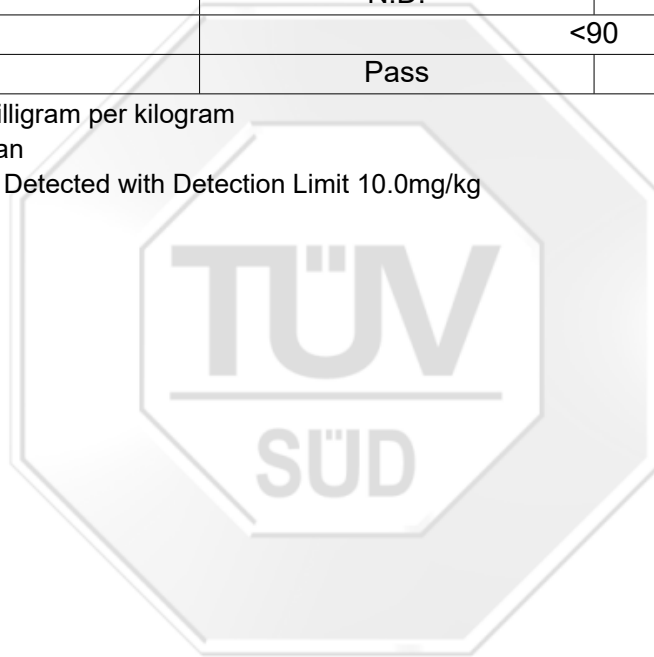
Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

| Analyte | Result [mg/kg] | |
|------------|----------------|------------|
| | Sample 001 | Sample 008 |
| Lead | N.D. | N.D. |
| Limit | <90 | |
| Conclusion | 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



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%]

| Test Items | CAS No. | Results [%] | | | Client's Specification [%] |
|-----------------------------------|----------------------------|-------------|---------------------|---------------------|----------------------------|
| | | Sample 001 | Sample 002+003 +004 | Sample 005+014 +017 | |
| 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-pentylphthalat (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

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 006+007 +012 | Sample 008 | Sample 013+015 +016 | |
| 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-pentylphthalat (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

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 018+020+022 | Sample 019+021+023 | |
| 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-pentylphthalat (DNPP) | 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%

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%]

| Test Items | CAS No. | Results [%] | | | Client's Specification [%] |
|--------------------------------------|----------------------------|-------------|--------------------|--------------------|----------------------------|
| | | Sample 001 | Sample 002+003+004 | Sample 005+014+017 | |
| 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 006+007+012 | Sample 008 | Sample 013+015+016 | |
| 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%

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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%]

| Test Items | CAS No. | Results [%] | | Client's Specification [%] |
|--------------------------------------|----------------------------|--------------------|--------------------|----------------------------|
| | | Sample 018+020+022 | Sample 019+021+023 | |
| 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%

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%]

| Phthalates | CAS No. | Results [%] | | | Limit [%] |
|--------------------------------------|----------------------------|-------------|--------------------|--------------------|-----------|
| | | Sample 001 | Sample 002+003+004 | Sample 005+014+017 | |
| 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 - Phthalates Content

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

| Phthalates | CAS No. | Results [%] | | | Limit [%] |
|--------------------------------------|----------------------------|--------------------|------------|--------------------|-----------|
| | | Sample 006+007+012 | Sample 008 | Sample 013+015+016 | |
| 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 - Phthalates Content

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

| Phthalates | CAS No. | Results [%] | | Limit [%] |
|--------------------------------------|----------------------------|--------------------|--------------------|-----------|
| | | Sample 018+020+022 | Sample 019+021+023 | |
| 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%

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 009 | |
| 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

-- END OF TEST REPORT--

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