



Test Report

No.: 68.431.23.3947.01

Date: 2023-10-24

Applicant: Spector & Co
Address: /
Sample Description: RECYCLED PEN GIFT BOX FOR PENS
Product Type / End use: Packaging
Item No.: 66EC5730PPR
Supplier: USY008
Country of Origin: China
Country of Destination: CANADA & U.S.A.
Receipt Date of Sample: 2023-10-18
Date of Testing: From 2023-10-19 to 2023-10-24
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

| Test Item | Conclusion |
|---|------------|
| 1. US California Proposition 65 - Total Cadmium Content Test - Substrate Materials | Pass* |
| 2. US California Proposition 65 - Total Lead Content Test - Substrate Materials | Pass* |
| 3. Phthalates Content (11P) | Pass* |
| 4. Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test | Pass |
| 5. U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P) | Pass |
| 6. US California Proposition 65 - Phthalates Content (6P) | Pass* |

Remarks: 1. MDL = Method Detection Limit
2. N.D. = Not Detected (<MDL)
3. ≤ Less than
4. 1 mg/kg = 1 ppm = 0.0001%
5. NA=Not Applicable

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Lab 1 - Chemical testing and part of electrical testing Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China
Lab 2 - Physical & Mechanical Test: Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

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

Prepared by:

Authorized by:



Gianna Gao
Project Manager

Eva Liang
Project Manager

Note:

- (1) The TÜV SÜD Certification and Testing (China) Co., Ltd. "General Terms & Conditions" applied.
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For further details, please see "Testing and certification regulation", chapter A-3.4
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- (2) The results relate only to the Items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (4) If relevant standards do not specify decision rule(s), follow decision rule as below:
 - "Pass" means that the measured result is within the limits, even when extended by expanded uncertainty at a level of confidence of 95%.
 - "Fail" means that the measured result is beyond the limit, even when extended by expanded uncertainty at a level of confidence of 95%.
- (5) The test item and sample were specified by the client.
- (6) "*" denotes the conclusion was drawn according to the client's specification.

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Description of Tested Subject:

| Sample | Description | Photo |
|--------|--|---|
| A | Whole product |  |
| 001 | Brown paper card w/ black printing w/ transparent dry glue (Box) |  |
| 002 | Black fabric (Elastic cord) | |
| 003 | Black soft plastic (Inner elastic cord) | |

| T. No | Sample | Description |
|-------|--------|--|
| T1 | 001 | Brown paper card w/ black printing w/ transparent dry glue (Box) |
| T2 | 002 | Black fabric (Elastic cord) |
| T3 | 003 | Black soft plastic (Inner elastic cord) |

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Test Result(s):

1. US California Proposition 65 - Total Cadmium Content Test - Substrate Materials

Test with reference to acid digestion or microwave digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

| Sample | Unit | MDL | Client's Limit | Result(s) | Conclusion |
|--------|-------|-----|----------------|-----------|------------|
| 001 | mg/kg | 10 | 75 | N.D. | Pass |
| 002 | mg/kg | 10 | 75 | N.D. | Pass |
| 003 | mg/kg | 10 | 75 | N.D. | Pass |

2. US California Proposition 65 - Total Lead Content Test - Substrate Materials

Test with reference to acid digestion or microwave digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

| Sample | Unit | MDL | Client's Limit | Result(s) | Conclusion |
|--------|-------|-----|----------------|-----------|------------|
| 001 | mg/kg | 10 | 100 | N.D. | Pass |
| 002 | mg/kg | 10 | 100 | N.D. | Pass |
| 003 | mg/kg | 10 | 100 | N.D. | Pass |

3. Phthalates Content (11P)

Test with reference to in-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

| Parameter | CAS No. | Unit | MDL | Client's Limit | Result(s) | |
|--------------------------------------|------------|------|-------|----------------|-------------|-------------|
| | | | | | 001 | 002 |
| Diethyl phthalate(DEP) | 84-66-2 | % | 0.005 | 0.1 | N.D. | N.D. |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | % | 0.005 | 0.1 | N.D. | N.D. |
| Diisobutylphthalate, (DIBP) | 84-69-5 | % | 0.005 | 0.1 | N.D. | N.D. |
| Dibutyl phthalate, (DBP) | 84-74-2 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-n-hexyl phthalate (DnHP) | 84-75-3 | % | 0.005 | 0.1 | N.D. | N.D. |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | % | 0.005 | 0.1 | N.D. | N.D. |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-n-octyl phthalate, (DNOP) | 117-84-0 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-isononyl phthalate, (DINP) | 28553-12-0 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-isodecyl phthalate, (DIDP) | 26761-40-0 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-n-pentyl phthalates (DnPP) | 131-18-0 | % | 0.005 | 0.1 | N.D. | N.D. |
| Conclusion | | | | | Pass | Pass |

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| Parameter | CAS No. | Unit | MDL | Client's Limit | Result(s) |
|--------------------------------------|------------|------|-------|----------------|-------------|
| | | | | | 003 |
| Diethyl phthalate(DEP) | 84-66-2 | % | 0.005 | 0.1 | N.D. |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | % | 0.005 | 0.1 | N.D. |
| Diisobutylphthalate, (DIBP) | 84-69-5 | % | 0.005 | 0.1 | N.D. |
| Dibutyl phthalate, (DBP) | 84-74-2 | % | 0.005 | 0.1 | N.D. |
| Di-n-hexyl phthalate (DnHP) | 84-75-3 | % | 0.005 | 0.1 | N.D. |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | % | 0.005 | 0.1 | N.D. |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | % | 0.005 | 0.1 | N.D. |
| Di-n-octyl phthalate, (DNOP) | 117-84-0 | % | 0.005 | 0.1 | N.D. |
| Di-isononyl phthalate, (DINP) | 28553-12-0 | % | 0.005 | 0.1 | N.D. |
| Di-isodecyl phthalate, (DIDP) | 26761-40-0 | % | 0.005 | 0.1 | N.D. |
| Di-n-pentyl phthalates (DnPP) | 131-18-0 | % | 0.005 | 0.1 | N.D. |
| Conclusion | | | | | Pass |

4. Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test

Test with reference to acid digestion or microwave digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

| Sample | Unit | MDL | Limit | Result(s) | Conclusion |
|--------|-------|-----|-------|-----------|------------|
| 001 | mg/kg | 10 | 90 | N.D. | Pass |
| 002 | mg/kg | 10 | 90 | N.D. | Pass |
| 003 | mg/kg | 10 | 90 | N.D. | Pass |

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

Test with reference to in-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

| Parameter | CAS No. | Unit | MDL | Limit | Result(s) | |
|--------------------------------------|------------|------|-------|-------|-------------|-------------|
| | | | | | 001 | 002 |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | % | 0.005 | 0.1 | N.D. | N.D. |
| Diisobutylphthalate, (DIBP) | 84-69-5 | % | 0.005 | 0.1 | N.D. | N.D. |
| Dibutyl phthalate, (DBP) | 84-74-2 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-n-hexyl phthalate (DnHP) | 84-75-3 | % | 0.005 | 0.1 | N.D. | N.D. |
| Dicyclohexyl phthalate (DCHP) | 84-61-7 | % | 0.005 | 0.1 | N.D. | N.D. |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-isononyl phthalate, (DINP) | 28553-12-0 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-n-pentyl phthalates (DnPP) | 131-18-0 | % | 0.005 | 0.1 | N.D. | N.D. |
| Conclusion | | | | | Pass | Pass |

| Parameter | CAS No. | Unit | MDL | Limit | Result(s) |
|--------------------------------------|------------|------|-------|-------|-------------|
| | | | | | 003 |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | % | 0.005 | 0.1 | N.D. |
| Diisobutylphthalate, (DIBP) | 84-69-5 | % | 0.005 | 0.1 | N.D. |
| Dibutyl phthalate, (DBP) | 84-74-2 | % | 0.005 | 0.1 | N.D. |
| Di-n-hexyl phthalate (DnHP) | 84-75-3 | % | 0.005 | 0.1 | N.D. |
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| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | % | 0.005 | 0.1 | N.D. |
| Di-isononyl phthalate, (DINP) | 28553-12-0 | % | 0.005 | 0.1 | N.D. |
| Di-n-pentyl phthalates (DnPP) | 131-18-0 | % | 0.005 | 0.1 | N.D. |
| Conclusion | | | | | Pass |

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6. US California Proposition 65 - Phthalates Content (6P)

Test with reference to in-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

| Parameter | CAS No. | Unit | MDL | Client's Limit | Result(s) | |
|--------------------------------------|------------|------|-------|----------------|-------------|-------------|
| | | | | | 001 | 002 |
| Dibutyl phthalate, (DBP) | 84-74-2 | % | 0.005 | 0.1 | N.D. | N.D. |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | % | 0.005 | 0.1 | N.D. | N.D. |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-isodecyl phthalate, (DIDP) | 26761-40-0 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-n-hexyl phthalate (DNHP) | 84-75-3 | % | 0.005 | 0.1 | N.D. | N.D. |
| Di-isononyl phthalate, (DINP) | 28553-12-0 | % | 0.005 | 0.1 | N.D. | N.D. |
| Conclusion | | | | | Pass | Pass |

| Parameter | CAS No. | Unit | MDL | Client's Limit | Result(s) |
|--------------------------------------|------------|------|-------|----------------|-------------|
| | | | | | 003 |
| Dibutyl phthalate, (DBP) | 84-74-2 | % | 0.005 | 0.1 | N.D. |
| Bis (2-ethylhexyl) phthalate, (DEHP) | 117-81-7 | % | 0.005 | 0.1 | N.D. |
| Benzyl butyl phthalate, (BBP) | 85-68-7 | % | 0.005 | 0.1 | N.D. |
| Di-isodecyl phthalate, (DIDP) | 26761-40-0 | % | 0.005 | 0.1 | N.D. |
| Di-n-hexyl phthalate (DNHP) | 84-75-3 | % | 0.005 | 0.1 | N.D. |
| Di-isononyl phthalate, (DINP) | 28553-12-0 | % | 0.005 | 0.1 | N.D. |
| Conclusion | | | | | Pass |

-End of Test Report-

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