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1 Hartford Square, New Britain, CT 06052
Tel: (860) 224-6668

Customer Name: CT Pharmaceutical Solutions
Customer Address: 47 Lower Main St.
Portland, CT 06480
Phone Number: 860-740-4340

Results issued on: 10/29/2019 COA No.: 89102919-B

| Client Lot Number | Sample ID | Tests Conducted |
|---|---|---|
| HSH060219 | 8026-5<br>8026-6 | Quality Control Analysis |
| | 8026-6 | Active Ingredient Analysis |
| | 8026-6 | Terpene Analysis |

## Quality Control Results

| Test | Test Conducted | Specification | Results (Pass/Fail) |
|---|---|---|---|
| Microbiology | Total Aerobic Microbial Count | < $10^6$ CFU/g | Passed |
| | Total Yeast and Mold Count | < $10^4$ CFU/g | Passed |
| | Gram-negative Bacteria | < $10^2$ CFU/g | Passed |
| | *E. coli* (pathogenic strains) | Not Detected in 1 gram | Passed |
| | *Salmonella* | Not Detected in 1 gram | Passed |
| | | | |
| Mycotoxins | Aflatoxin B1 | < 20 ug/Kg | Passed |
| | Aflatoxin B2 | < 20 ug/Kg | Passed |
| | Aflatoxin G1 | < 20 ug/Kg | Passed |
| | Aflatoxin G2 | < 20 ug/Kg | Passed |
| | Ochratoxin A | < 20 ug/Kg | Passed |
| | | | |
| Heavy Metals | Arsenic - As | < 4.206 ug/g | Passed |
| | Cadmium - Cd | < 2.704 ug/g | Passed |
| | Mercury - Hg | < 8.712 ug/g | Passed |
| | Lead - Pb | < 8.712 ug/g | Passed |
| | | | |
| Pesticides | *See attachment A* | | Passed |

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## Active Ingredient Results

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid | Percent by weight (w/w) |
|---|---|
| Tetrahydrocannabinol Acid (THC-A) | 29.8% |
| Tetrahydrocannabinol (THC) | 0.25% |
| Cannabidiol Acid (CBD-A) | <0.10% |
| Cannabidiol (CBD) | <0.10% |
| Cannabigerol Acid (CBG-A) | 1.08% |
| Cannabigerol (CBG) | 0.24% |
| Cannabinol (CBN) | <0.10% |
| Cannabichromene (CBC) | <0.10% |
| Tetrahhydrocannabivarin (THCV) | <0.10% |
| Cannabidivarin (CBDV) | <0.10% |

| Moister Content (% w/w) |
|---|
| 7.24% |

## Terpene Content Results

*via Gas Chromatography Mass Spectrometry (GC-MS)*

| Terpene | Percent by weight (w/w) |
|---|---|
| α-Pinene | 0.16% |
| β-Pinene | <0.10% |
| β-Myrcene | 0.58% |
| Limonene | <0.10% |
| Ocimene | <0.10% |
| Linalool | <0.10% |
| β-Caryophyllene | 0.11% |
| Humulene | <0.10% |



Results Approved by: Jose A. Zavaleta, Lab Director

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# Attachment A

| Pesticide | Residue limits according to EPA in parts per billion (ppb) | Results |
|---|---|---|
| **Avermectin (abamectin)** | < 10 | Pass |
| **Acequinocyl** | < 20 | Pass |
| **Bifenazate** | < 100 | Pass |
| **Bifenthrin (synthetic pyrethroid)** | < 50 | Pass |
| **Cyfluthrin (synthetic pyrethroid)** | < 20 | Pass |
| **Etoxazole** | < 10 | Pass |
| **Imazalil** | < 100 | Pass |
| **Imidacloprid** | < 50 | Pass |
| **Myclobutanil** | < 20 | Pass |
| **Paclobutrazol** | < 400 | Pass |
| **Pyrethrins (synthetic)** | < 50 | Pass |
| **Spinosad** | < 10 | Pass |
| **Spiromesifen** | < 20 | Pass |
| **Spirotetramat** | < 200 | Pass |
| **Trifloxystrobin** | < 50 | Pass |

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