

Customer Name: CT Pharmaceutical Solutions

Customer Address: 47 Lower Main St.

Portland, CT 06480

Phone Number: 860-740-4340

Results issued on: 01/13/2020 COA No.: 89011320-A

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| TN0100            | 8038-1    | Quality Control Analysis   |
|                   | 8038-2    |                            |
|                   | 8038-2    | Active Ingredient Analysis |
|                   | 8038-2    | Terpene Analysis           |

### Quality Control Results

| <u>Analysis</u> | <u>Test Conducted</u>         | <u>Specification</u> | <u>Results (Pass/Fail)</u> |
|-----------------|-------------------------------|----------------------|----------------------------|
| Microbiology    | Total Aerobic Microbial Count | < 200 CFU/g          | Passed                     |
|                 | Total Yeast and Mold Count    | < 20 CFU/g           | Passed                     |
|                 | <i>E.coli</i>                 | Not Present          | 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                       | %W/W   | %W/V<br>(d = 1.06 g/mL) |
|-----------------------------------|--------|-------------------------|
| Tetrahydrocannabinol Acid (THC-A) | <0.10% | <0.10                   |
| Tetrahydrocannabinol (THC)        | 1.84%  | 1.96                    |
| Cannabidiol Acid (CBD-A)          | <0.10% | <0.10                   |
| Cannabidiol (CBD)                 | <0.10% | <0.10                   |
| Cannabigerol Acid (CBG-A)         | <0.10% | <0.10                   |
| Cannabigerol (CBG)                | <0.10% | <0.10                   |
| Cannabinol (CBN)                  | <0.10% | <0.10                   |
| Cannabichromene (CBC)             | <0.10% | <0.10                   |
| Tetrahydrocannabivarin (THCV)     | <0.10% | <0.10                   |
| Cannabidivarin (CBDV)             | <0.10% | <0.10                   |

### **Terpene Content Results**

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

| Terpene                | %W/W   |
|------------------------|--------|
| $\alpha$ -Pinene       | <0.10% |
| $\beta$ -Pinene        | <0.10% |
| $\beta$ -Myrcene       | <0.10% |
| Limonene               | <0.10% |
| Ocimene                | <0.10% |
| Linalool               | <0.10% |
| $\beta$ -Caryophyllene | <0.10% |
| Humulene               | <0.10% |



Results Approved by: Jose A. Zavaleta, Lab Director

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**Attachment A**

| Pesticide                         | Residue limits according to EPA<br>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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