

Customer Name: CT Pharmaceutical Solutions

Customer Address: 47 Lower Main St.

Portland, CT 06480

Phone Number: 860-740-4340

Results issued on: 7/12/2020 COA No.: 89071220-A

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| TN0116            | 8063-1    | Quality Control Analysis   |
|                   | 8063-2    |                            |
|                   | 8063-2    | Active Ingredient Analysis |
|                   | 8063-2    | Terpene Analysis           |

### Quality Control Results

| <u>Test</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>                | No Growth            | 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              |                      | Residues Detected          |
|              |                               |                      | ND                         |

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Client Lot Number: TN0116

### **Active Ingredient Results**

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                       | %W/W   | %W/V<br>(d = 0.954 g/mL) |
|-----------------------------------|--------|--------------------------|
| Tetrahydrocannabinol Acid (THC-A) | <0.10% | <0.10                    |
| Tetrahydrocannabinol (THC)        | 1.97%  | 1.88                     |
| 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               | 0.28%  |
| 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**

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

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