

Customer Name: CT Pharmaceutical Solutions

Customer Address: 47 Lower Main St.

Portland, CT 06480

Phone Number: 860-740-4340

Results issued on: 5/13/2021 COA No.: 1R-89050421-E

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| TGM122320         | 8133-5    | Quality Control Analysis   |
|                   | 8133-6    |                            |
|                   | 8137-1    | Active Ingredient Analysis |
|                   | 8133-6    | 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       | < 10 <sup>6</sup> CFU/g | Passed                     |
|              | Total Yeast and Mold Count          | < 10 <sup>4</sup> CFU/g | Passed                     |
|              | Gram-negative Bacteria              | < 10 <sup>2</sup> CFU/g | Passed                     |
|              | <i>E. coli</i> (pathogenic strains) | Not Detected in 1 gram  | Passed                     |
|              | <i>Salmonella</i>                   | 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                     |

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### Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

| Cannabinoid                                                | Dry-weight percent (w/w) |
|------------------------------------------------------------|--------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 32.7%                    |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 0.16%                    |
| Cannabidiol Acid (CBD-A)                                   | <0.10%                   |
| Cannabidiol (CBD)                                          | <0.10%                   |
| Cannabigerol Acid (CBG-A)                                  | 1.22%                    |
| Cannabigerol (CBG)                                         | <0.10%                   |
| Cannabinol (CBN)                                           | <0.10%                   |
| Cannabichromene (CBC)                                      | <0.10%                   |
| Tetrahydrocannabivarin (THCV)                              | <0.10%                   |
| Cannabidivarin (CBDV)                                      | <0.10%                   |

|                             |
|-----------------------------|
| Moisture Content<br>(% w/w) |
| 7.13%                       |

Dry-weight percent cannabinoid content = wet-weight percent cannabinoid / (1 – percent moisture / 100)

**“Wet-weight” means the weight of the sample as it was collected from facility.**

### Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

| Terpene                | Percent by weight (w/w) |
|------------------------|-------------------------|
| $\alpha$ -Pinene       | <0.10%                  |
| $\beta$ -Pinene        | <0.10%                  |
| $\beta$ -Myrcene       | <0.10%                  |
| Limonene               | 0.16%                   |
| Ocimene                | <0.10%                  |
| Linalool               | 0.15%                   |
| $\beta$ -Caryophyllene | 0.88%                   |
| Humulene               | 0.33%                   |
| $\alpha$ -Bisabolol    | 0.22%                   |



Results Approved by  
Jose A. Zavaleta, Lab Director



CoA Reviewed by  
Ewelina Pliszka, Lab Supervisor

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