

Customer Name: CT Pharmaceutical Solutions

Customer Address: 47 Lower Main St.

Portland, CT 06480

Phone Number: 860-740-4340

Results issued on: 1/22/2021 COA No.: 89012121-A

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| GVJ090420         | 8099-5    | Quality Control Analysis   |
|                   | 8099-6    |                            |
|                   | 8099-6    | Active Ingredient Analysis |
|                   | 8099-6    | 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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Client Lot Number: GVJ090420

## Active Ingredient Results

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                                                | Dry-weight percent (w/w) |
|------------------------------------------------------------|--------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 30.2%                    |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 0.60%                    |
| Cannabidiol Acid (CBD-A)                                   | <0.10%                   |
| Cannabidiol (CBD)                                          | <0.10%                   |
| Cannabigerol Acid (CBG-A)                                  | 0.79%                    |
| Cannabigerol (CBG)                                         | 0.28%                    |
| Cannabinol (CBN)                                           | <0.10%                   |
| Cannabichromene (CBC)                                      | <0.10%                   |
| Tetrahydrocannabivarin (THCV)                              | <0.10%                   |
| Cannabidivarin (CBDV)                                      | <0.10%                   |

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.**

|                                    |
|------------------------------------|
| <b>Moister Content<br/>(% w/w)</b> |
| <b>7.81%</b>                       |

## 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       | 0.19%                   |
| Limonene               | 0.11%                   |
| Ocimene                | <0.10%                  |
| Linalool               | 0.17%                   |
| $\beta$ -Caryophyllene | 0.55%                   |
| Humulene               | 0.20%                   |



Results Approved by: Jose A. Zavaleta, Lab Director

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