

Customer Name: Theraplant, LLC  
Customer Address: 856 Echo Lake Road  
Watertown, CT 06795  
Phone Number: 860-417-6481

Results issued on: 2/13/2020 COA No.: 84021320-A

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| ESD-19-004        | 1546-1    | Quality Control Analysis   |
|                   | 1546-2    |                            |
|                   | 1546-2    | Active Ingredient Analysis |
|                   | 1546-2    | Terpene Analysis           |

### Quality Control Results

| <u>Test</u>  | <u>Test Conducted</u>               | <u>Specification</u>    | <u>Results</u><br><u>(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                               |
| Pesticides   | See attachment A                    |                         | Passed                               |

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Client Lot Number: ESD-19-004

## **Active Ingredient Results**

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                                                | Percent by weight (w/w) |
|------------------------------------------------------------|-------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 30.0%                   |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 0.74%                   |
| Cannabidiol Acid (CBD-A)                                   | <0.10%                  |
| Cannabidiol (CBD)                                          | <0.10%                  |
| Cannabigerol Acid (CBG-A)                                  | 0.53%                   |
| Cannabigerol (CBG)                                         | <0.10%                  |
| Cannabinol (CBN)                                           | <0.10%                  |
| Cannabichromene (CBC)                                      | <0.10%                  |
| Tetrahydrocannabivarin (THCV)                              | <0.10%                  |
| Cannabidivarin (CBDV)                                      | <0.10%                  |

## **Terpene Content Results**

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

| Terpene                | Percent by weight (w/w) |
|------------------------|-------------------------|
| $\alpha$ -Pinene       | 0.16%                   |
| $\beta$ -Pinene        | <0.10%                  |
| $\beta$ -Myrcene       | 0.32%                   |
| 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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Client Lot Number: **ESD-19-004**

## **Attachment A**

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