

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

Results issued on: 4/10/2019 COA No.: 84041019-D

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| SPEN19-002        | 1458-14   | Quality Control Analysis   |
|                   | 1458-15   |                            |
|                   | 1458-15   | Active Ingredient Analysis |
|                   | 1458-15   | 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                     |
|                 | Gram-negative Bacteria        | Not Present          | Passed                     |
|                 | <i>Staphylococcus aureus</i>  | Not Present          | Passed                     |
|                 | <i>Pseudomonas aeruginosa</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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Client Lot Number: SPEN19-002

## **Active Ingredient Results**

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                                                | Percent by weight (w/w) |
|------------------------------------------------------------|-------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | <0.10%                  |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 78.9%                   |
| Cannabidiol Acid (CBD-A)                                   | <0.10%                  |
| Cannabidiol (CBD)                                          | 0.25%                   |
| Cannabigerol Acid (CBG-A)                                  | 0.13%                   |
| Cannabigerol (CBG)                                         | 2.15%                   |
| Cannabinol (CBN)                                           | 2.27%                   |
| Cannabichromene (CBC)                                      | 1.15%                   |
| Tetrahydrocannabivarin (THCV)                              | 0.47%                   |
| Cannabidivarin (CBDV)                                      | <0.10%                  |

## **Terpene Content Results**

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

| Terpene                | Percent by weight (w/w) |
|------------------------|-------------------------|
| $\alpha$ -Pinene       | 0.46%                   |
| $\beta$ -Pinene        | 0.48%                   |
| $\beta$ -Myrcene       | 0.55%                   |
| Limonene               | 1.59%                   |
| Ocimene                | <0.10%                  |
| Linalool               | <0.10%                  |
| $\beta$ -Caryophyllene | 1.17%                   |
| Humulene               | 0.37%                   |



Results Approved by: Jose A. Zavaleta, Lab Director

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Client Lot Number: **SPEN19-002**

### **Attachment A**

| <b>Pesticide</b>                         | <b>Residue limits according to EPA<br/>in 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           |