

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

Sample ID: 84072415-8/9 (Lot: 1P50) Results issued on: 7/28/2015 COA No. 1084-A

### Quality Control Analysis

| <u>Test</u>         | <u>Specification</u>                                                       | <u>Results</u><br><u>(Pass/Fail)</u> |
|---------------------|----------------------------------------------------------------------------|--------------------------------------|
| <b>Microbiology</b> | Total Aerobic Microbial Count (< 2K CFU/g)                                 | Pass                                 |
|                     | Total Yeast and Mold Count (< 200 CFU/g)                                   | Pass                                 |
|                     | Bile-tolerant Gram-negative Bacteria/<br><i>Escherichia coli</i> (absence) | Pass                                 |
|                     | <i>Staph. aureus</i> (absence)                                             | Pass                                 |
|                     | <i>Pseud. aeruginosa</i> (absence)                                         | Pass                                 |
| <b>Mycotoxins</b>   | Aflatoxin B1 (< 20 ug/Kg)                                                  | Pass                                 |
|                     | Aflatoxin B2 (< 20 ug/Kg)                                                  | Pass                                 |
|                     | Aflatoxin G1 (< 20 ug/Kg)                                                  | Pass                                 |
|                     | Aflatoxin G1 (< 20 ug/Kg)                                                  | Pass                                 |
|                     | Ochratoxin A (< 20 ug/Kg)                                                  | Pass                                 |
| <b>Heavy Metals</b> | Arsenic - As (< 4.206 ug/g)                                                | Pass                                 |
|                     | Cadmium - Cd (< 2.704 ug/g)                                                | Pass                                 |
|                     | Mercury - Hg (< 8.712 ug/g)                                                | Pass                                 |
|                     | Lead - Pb (< 8.712 ug/g)                                                   | Pass                                 |
| <b>Pesticides</b>   | <i>See attachment A</i>                                                    | Pass                                 |

## **Cannabinoid Analysis**

*Via High Performance Liquid Chromatography (HPLC) Analysis*

| Cannabinoid                                                | Percent by Weight (w/w) |
|------------------------------------------------------------|-------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 1.338%                  |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 8.566%                  |
| Cannabidiol Acid (CBD-A)                                   | 0.017%                  |
| Cannabidiol (CBD)                                          | 0.089%                  |
| Cannabigerol Acid (CBG-A)                                  | 0.207%                  |
| Cannabigerol (CBG)                                         | 0.215%                  |
| Cannabinol (CBN)                                           | 0.084%                  |
| Cannabichromene (CBC)                                      | 0.105%                  |

| Cannabinoid                                                | mg per gram of product |
|------------------------------------------------------------|------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 13.38                  |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 85.66                  |
| Cannabidiol Acid (CBD-A)                                   | 0.17                   |
| Cannabidiol (CBD)                                          | 0.89                   |
| Cannabigerol Acid (CBG-A)                                  | 2.07                   |
| Cannabigerol (CBG)                                         | 2.15                   |
| Cannabinol (CBN)                                           | 0.84                   |
| Cannabichromene (CBC)                                      | 1.05                   |

## **Terpenoid Analysis**

*Via Gas Chromatography Mass Spectrometry (GC-MS) Analysis*

| Terpene                | Percent by Weight (w/w) |
|------------------------|-------------------------|
| $\alpha$ -Pinene       | <0.010%                 |
| $\beta$ -Pinene        | <0.010%                 |
| $\beta$ -Myrcene       | <0.010%                 |
| Limonene               | <0.010%                 |
| Ocimene                | <0.010%                 |
| Linalool               | <0.010%                 |
| $\beta$ -Caryophyllene | <0.010%                 |
| Humulene               | <0.010%                 |



Results Approved by: Jose A. Zavaleta, Director

### **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           |