

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

Sample ID: 84052115-5 (Lot: SPJ2)

Results issued on: 5/27/2015

COA No. 1065-C

### 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) | 12.296%                 |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 62.632%                 |
| Cannabidiol Acid (CBD-A)                                   | 0.084%                  |
| Cannabidiol (CBD)                                          | 0.473%                  |
| Cannabigerol Acid (CBG-A)                                  | 1.597%                  |
| Cannabigerol (CBG)                                         | 1.928%                  |
| Cannabinol (CBN)                                           | 0.566%                  |
| Cannabichromene (CBC)                                      | 0.749%                  |

| Cannabinoid                                                | mg per gram of product |
|------------------------------------------------------------|------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 122.96                 |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 626.32                 |
| Cannabidiol Acid (CBD-A)                                   | 0.84                   |
| Cannabidiol (CBD)                                          | 4.73                   |
| Cannabigerol Acid (CBG-A)                                  | 15.97                  |
| Cannabigerol (CBG)                                         | 19.28                  |
| Cannabinol (CBN)                                           | 5.66                   |
| Cannabichromene (CBC)                                      | 7.49                   |

## **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       | 0.020%                  |
| Limonene               | 0.029%                  |
| Ocimene                | <0.010%                 |
| Linalool               | 0.025%                  |
| $\beta$ -Caryophyllene | 0.059%                  |
| Humulene               | 0.025%                  |



Results Approved by: Jose A. Zavaleta, Director

## Attachment A

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