

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

Sample ID: 84061215-3 (Lot: 50mg P4)

Results issued on: 6/15/2015

COA No. 1070-B

### 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>   | See attachment A                                                           | Pass                                 |

## Cannabinoid Analysis

*Via High Performance Liquid Chromatography (HPLC) Analysis*

| Cannabinoid                                                | Percent by Weight (w/w) |
|------------------------------------------------------------|-------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 3.324%                  |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 12.155%                 |
| Cannabidiol Acid (CBD-A)                                   | 0.032%                  |
| Cannabidiol (CBD)                                          | 0.121%                  |
| Cannabigerol Acid (CBG-A)                                  | 0.236%                  |
| Cannabigerol (CBG)                                         | 0.167%                  |
| Cannabinol (CBN)                                           | 0.106%                  |
| Cannabichromene (CBC)                                      | 0.140%                  |

| Cannabinoid                                                | mg per pill |
|------------------------------------------------------------|-------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 14.33       |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 52.41       |
| Cannabidiol Acid (CBD-A)                                   | 0.14        |
| Cannabidiol (CBD)                                          | 0.52        |
| Cannabigerol Acid (CBG-A)                                  | 1.02        |
| Cannabigerol (CBG)                                         | 0.72        |
| Cannabinol (CBN)                                           | 0.46        |
| Cannabichromene (CBC)                                      | 0.60        |



## 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 | 0.037%                  |
| Humulene               | 0.010%                  |



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    |