

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

Results issued on: 6/23/2020 COA No.: 84062320-A

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| ERG-20-001        | 1571-2    | Quality Control Analysis   |
|                   | 1585-1    |                            |
|                   | 1571-2    | Active Ingredient Analysis |
|                   | 1571-2    | Terpene Analysis           |

### Quality Control Results

| <u>Test</u>  | <u>Test Conducted</u>               | <u>Specification</u>    | <u>Results (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                    |                         | Residues Detected          |
|              |                                     |                         | ND                         |

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: ERG-20-001

## **Active Ingredient Results**

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                                                | Dry-weight<br>percent (w/w) |
|------------------------------------------------------------|-----------------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 29.0%                       |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 0.50%                       |
| Cannabidiol Acid (CBD-A)                                   | <0.10%                      |
| Cannabidiol (CBD)                                          | <0.10%                      |
| Cannabigerol Acid (CBG-A)                                  | 1.08%                       |
| Cannabigerol (CBG)                                         | 0.17%                       |
| Cannabinol (CBN)                                           | <0.10%                      |
| Cannabichromene (CBC)                                      | <0.10%                      |
| Tetrahydrocannabivarin (THCV)                              | <0.10%                      |
| Cannabidivarin (CBDV)                                      | <0.10%                      |

Dry-weight percent cannabinoid content = wet-weight percent cannabinoid / (1 – percent moisture / 100)

**“Wet-weight” means the weight of the sample as it was collected from facility.**

## **Terpene Content Results**

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

| Terpene                | Percent by<br>weight (w/w) |
|------------------------|----------------------------|
| $\alpha$ -Pinene       | <0.10%                     |
| $\beta$ -Pinene        | <0.10%                     |
| $\beta$ -Myrcene       | <0.10%                     |
| Limonene               | 0.27%                      |
| Ocimene                | <0.10%                     |
| Linalool               | <0.10%                     |
| $\beta$ -Caryophyllene | 0.35%                      |
| Humulene               | 0.14%                      |



Results Approved by Jose A. Zavaleta, Lab Director

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: **ERG-20-001**

## Attachment A

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

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: **ERG-20-001**