

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

Results issued on: 7/13/2020 COA No.: 84071320-B

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| IORS20-006        | 1591-3    | Quality Control Analysis   |
|                   | 1591-4    |                            |
|                   | 1591-4    | Active Ingredient Analysis |
|                   | 1591-4    | 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 | < 200 CFU/g            | Passed                     |
|              | Total Yeast and Mold Count    | < 20 CFU/g             | Passed                     |
|              | <i>E. coli</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                         |

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### Active Ingredient Results

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                                                | Percent by weight (w/w) | mg per 1-mL | mg per 30-mL |
|------------------------------------------------------------|-------------------------|-------------|--------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | <0.10%                  | <0.10       | <0.10        |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 1.64%                   | 15.6        | 468          |
| Cannabidiol Acid (CBD-A)                                   | <0.10%                  | <0.10       | <0.10        |
| Cannabidiol (CBD)                                          | <0.10%                  | <0.10       | <0.10        |
| Cannabigerol Acid (CBG-A)                                  | <0.10%                  | <0.10       | <0.10        |
| Cannabigerol (CBG)                                         | <0.10%                  | <0.10       | <0.10        |
| Cannabinol (CBN)                                           | <0.10%                  | <0.10       | <0.10        |
| Cannabichromene (CBC)                                      | <0.10%                  | <0.10       | <0.10        |
| Tetrahydrocannabivarin (THCV)                              | <0.10%                  | <0.10       | <0.10        |
| Cannabidivarin (CBDV)                                      | <0.10%                  | <0.10       | <0.10        |
| <b>Total</b>                                               |                         | <b>15.6</b> | <b>468</b>   |

Weight of 30 mL = 28.53 grams

### Terpene Content Results

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

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



Results Approved by: Jose A. Zavaleta, Lab Director

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## **Attachment A**

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

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