

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

Results issued on: 9/10/2020 COA No.: 84091020-A

| Client Lot Number | Sample ID | Tests Conducted            |
|-------------------|-----------|----------------------------|
| IBUD20-004        | 1610-1    | Quality Control Analysis   |
|                   | 1610-2    |                            |
|                   | 1610-2    | Active Ingredient Analysis |
|                   | 1610-2    | 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 | < 200 CFU/g          | Passed                     |
|              | Total Yeast and Mold Count    | < 20 CFU/g           | Passed                     |
|              | Gram-negative Bacteria        | Not Present          | Passed                     |
|              | <i>Staphylococcus aureus</i>  | Not Present          | Passed                     |
|              | <i>Pseudomonas aeruginosa</i> | Not Present          | 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                     |
|              |                               |                      | Residues Detected          |
| Pesticides   | See attachment A              |                      | ND                         |

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Client Lot Number: **IBUD20-004**

### Active Ingredient Results

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                                                | Percent by weight (w/w) | mg per 0.5-mg of product | mg per 1-g of product |
|------------------------------------------------------------|-------------------------|--------------------------|-----------------------|
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ -THC-A) | 75.6%                   | 378                      | 756                   |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)        | 8.82%                   | 44.1                     | 88.2                  |
| Cannabidiol Acid (CBD-A)                                   | 0.20%                   | 1.00                     | 2.00                  |
| Cannabidiol (CBD)                                          | <0.10%                  | <0.10                    | <0.10                 |
| Cannabigerol Acid (CBG-A)                                  | 2.83%                   | 14.1                     | 28.3                  |
| Cannabigerol (CBG)                                         | 0.55%                   | 2.75                     | 5.50                  |
| Cannabinol (CBN)                                           | <0.10%                  | <0.10                    | <0.10                 |
| Cannabichromene (CBC)                                      | 0.21%                   | 1.05                     | 2.10                  |
| Tetrahydrocannabivarin (THCV)                              | <0.10%                  | <0.10                    | <0.10                 |
| Cannabidivarin (CBDV)                                      | <0.10%                  | <0.10                    | <0.10                 |
| <b>Total</b>                                               |                         | <b>441</b>               | <b>882.1</b>          |

### 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 | 0.36%                   |
| Humulene               | 0.13%                   |



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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