

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

Results issued on: 9/22/2022 COA No.: 84092222-D

| Client Lot Number | Sample ID | Tests Conducted            | Reference Method |
|-------------------|-----------|----------------------------|------------------|
| ICRU22-008        | 1813-3    | Quality Control Analysis   | see table below  |
|                   | 1813-4    |                            |                  |
|                   | 1813-4    | Active Ingredient Analysis | ASL-SOP-300      |
|                   | 1813-4    | Terpene Analysis           | ASL-SOP-301      |

### Quality Control Analysis and Results

| Test         | Test Conducted                | Reference Method       | Specification           | Results (Pass/Fail) |
|--------------|-------------------------------|------------------------|-------------------------|---------------------|
| Microbiology | Total Aerobic Microbial Count | USP <2023>             | < 10 <sup>5</sup> CFU/g | Passed              |
|              | Total Yeast and Mold Count    | USP <2023>             | < 10 <sup>5</sup> CFU/g | Passed              |
|              | <i>STE.coli</i>               | MIC-qPCR<br><USP 2023> | Not Detected in 1 gram  | Passed              |
|              | <i>E. coli</i>                | MIC-qPCR<br><USP 2023> | Not Detected in 1 gram  | Passed              |
|              | <i>Salmonella</i>             | MIC-qPCR<br><USP 2023> | Not Detected in 1 gram  | Passed              |
|              | <i>L. monocytogenes</i>       | MIC-qPCR<br><USP 2023> | Not Detected in 1 gram  | Passed              |
|              | <i>Aspergillus fumigatus</i>  | MIC-qPCR<br><USP 2023> | Not Detected in 1 gram  | Passed              |
|              | <i>Aspergillus flavus</i>     | MIC-qPCR<br><USP 2023> | Not Detected in 1 gram  | Passed              |
|              | <i>Aspergillus niger</i>      | MIC-qPCR<br><USP 2023> | Not Detected in 1 gram  | Passed              |
|              | <i>Aspergillus terreus</i>    | MIC-qPCR<br><USP 2023> | Not Detected in 1 gram  | Passed              |
| Mycotoxins   | Aflatoxin B1                  | ASL-SOP-213            | < 20 ug/Kg              | Passed              |
|              | Aflatoxin B2                  | ASL-SOP-213            | < 20 ug/Kg              | Passed              |
|              | Aflatoxin G1                  | ASL-SOP-213            | < 20 ug/Kg              | Passed              |
|              | Aflatoxin G2                  | ASL-SOP-213            | < 20 ug/Kg              | Passed              |
|              | Ochratoxin A                  | ASL-SOP-213            | < 20 ug/Kg              | Passed              |
| Heavy Metals | Arsenic - As                  | ASL-SOP-400            | < 0.14 ug/Kg            | Passed              |
|              | Cadmium - Cd                  | ASL-SOP-400            | < 0.09 ug/Kg            | Passed              |
|              | Mercury - Hg                  | ASL-SOP-400            | < 0.29 ug/Kg            | Passed              |
|              | Lead - Pb                     | ASL-SOP-400            | < 0.29 ug/Kg            | Passed              |

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### Active Ingredient Results

*via High Performance Liquid Chromatography (HPLC)*

| Cannabinoid                                               | Percent by weight (% w/w) | mg per 0.5 g | mg per 1.0 g |
|-----------------------------------------------------------|---------------------------|--------------|--------------|
| Cannabidivarin (CBDV)                                     | <0.01                     | <0.01        | <0.01        |
| Cannabidiol Acid (CBD-A)                                  | 0.26                      | 1.30         | 2.60         |
| Cannabigerol Acid (CBG-A)                                 | 1.39                      | 6.95         | 13.9         |
| Cannabigerol (CBG)                                        | 0.40                      | 2.00         | 4.00         |
| Cannabidiol (CBD)                                         | <0.01                     | <0.01        | <0.01        |
| Tetrahydrocannabivarin (THCV)                             | 0.10                      | 0.50         | 1.00         |
| Cannabinol (CBN)                                          | <0.01                     | <0.01        | <0.01        |
| $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)       | 9.09                      | 45.4         | 90.9         |
| Cannabichromene (CBC)                                     | <0.01                     | <0.01        | <0.01        |
| $\Delta^9$ -Tetrahydrocannabinol Acid ( $\Delta^9$ THC-A) | 81.4                      | 407          | 814          |
| <b>Total</b>                                              | <b>92.6</b>               | <b>463</b>   | <b>926</b>   |

### Terpene Content Results

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

| Terpene                | Percent by weight (% w/w) |
|------------------------|---------------------------|
| $\beta$ -Caryophyllene | 0.43                      |
| Humulene               | 0.13                      |
| $\alpha$ -Bisabolol    | 0.24                      |



Results Approved by  
Jose A. Zavaleta, Lab Director

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