

**Theraplant, LLC**  
856 Echo Lake Road  
Watertown, CT 06795

Date Received: 09/07/2023  
Report Date: 09/15/2023  
NELabs Report ID: 2391256-07

## Product ID: HPEN23-030

| Microbiology                                           | Results (CFU) | Limits (CFU) | Methods      |
|--------------------------------------------------------|---------------|--------------|--------------|
| Total Aerobic Microbial Count                          | <100          | 100,000      | AOAC 990.12  |
| Total Yeast & Mold Count                               | <100          | 100,000      | AOAC 2014.05 |
| <i>Aspergillus (flavus, fumigatus, terreus, niger)</i> | Not Detected  | Not Detected | qPCR         |
| Enteropathogenic <i>E. coli</i>                        | Not Detected  | Not Detected | AOAC 2017.01 |
| <i>Listeria Monocytogenes</i>                          | Not Detected  | Not Detected | AOAC 2016.08 |
| <i>Salmonella</i> species                              | Not Detected  | Not Detected | AOAC 2016.01 |
| Shiga Toxin Producing <i>E. coli</i>                   | Not Detected  | Not Detected | FDA BAM      |
| Pass/Fail: <b>PASS</b>                                 |               |              |              |

| Cannabinoids by HPLC      | Results (% w/w) |
|---------------------------|-----------------|
| CBDV                      | ----            |
| CBDA                      | ----            |
| CBGA                      | ----            |
| CBG                       | 2.89            |
| CBD                       | 0.22            |
| THCV                      | 0.45            |
| CBN                       | 1.96            |
| $\Delta^9$ THC            | 78.54           |
| CBL                       | ----            |
| CBC                       | ----            |
| THCA                      | ----            |
| Total Cannabinoids        | <b>84.06 %</b>  |
| <b>Total THC: 78.54 %</b> |                 |

| Residual Solvent<br>by GC-MS | Results (% w/w) |
|------------------------------|-----------------|
| Ethanol                      | <LOQ            |

| Density     | Results (g/cm <sup>3</sup> ) |
|-------------|------------------------------|
| Sample Mass | 0.99                         |

| Terpenes by GC-MS             | Results (% w/w) |
|-------------------------------|-----------------|
| $\alpha$ -Pinene              | 0.09            |
| Camphene                      | 0.01            |
| $\beta$ -Myrcene              | 0.93            |
| $\beta$ -Pinene               | 0.10            |
| 3-Carene                      | 0.01            |
| $\alpha$ -Terpinene           | ----            |
| Limonene                      | 0.20            |
| Ocimene                       | 0.20            |
| p-Cymene                      | ----            |
| $\gamma$ -Terpinene           | ----            |
| Terpinolene                   | 0.22            |
| Linalool                      | 0.31            |
| (-)-Isopulegol                | ----            |
| Geraniol                      | ----            |
| $\beta$ -Caryophyllene        | 1.46            |
| $\alpha$ -Humulene            | 0.41            |
| cis-Nerolidol                 | 0.12            |
| trans-Nerolidol               | ----            |
| Guaiol                        | ----            |
| $\alpha$ -Bisabolol           | ----            |
| <b>Total Terpenes: 4.06 %</b> |                 |



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| Pesticides by LC-MS/MS | Results      | Limits              |
|------------------------|--------------|---------------------|
| Per Sample $\geq 0.5g$ | Not Detected | Below Action Levels |
| Pass/Fail: <b>PASS</b> |              |                     |

| Heavy Metals by ICP-MS | Results         | Limits              |
|------------------------|-----------------|---------------------|
| As, Cd, Pb, Hg         | Below Detection | Below Action Levels |
| Pass/Fail: <b>PASS</b> |                 |                     |

| Mycotoxins by LC-MS/MS      | Results ( $\mu g/kg$ ) | Limits ( $\mu g/kg$ ) |
|-----------------------------|------------------------|-----------------------|
| Aflatoxins (B1, B2, G1, G2) | <20 each               | <20 each              |
| Ochratoxin-A                | <20                    | <20                   |
| Pass/Fail: <b>PASS</b>      |                        |                       |

| Ingredient Testing by FTIR | Results ( $\mu g/kg$ ) | Limits ( $\mu g/kg$ ) |
|----------------------------|------------------------|-----------------------|
| Vitamin E Acetate          | Not Detected           | Absent                |
| Medium Chain Triglycerides | Not Detected           | Absent                |
| Squalene                   | Not Detected           | Absent                |
| Squalane                   | Not Detected           | Absent                |
| Polyethylene Glycol        | Not Detected           | Absent                |
| Pass/Fail: <b>PASS</b>     |                        |                       |

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 09/07/2023.

|            |                                        |                                      |
|------------|----------------------------------------|--------------------------------------|
| Date:      | Reviewed by: <i>Michelle Szylobryt</i> | Released by: <i>Zachary Cannone</i>  |
| 09/15/2023 | Michelle Szylobryt, QA / QC            | Zachary Cannone, Laboratory Director |

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO/ILAC-IAF Communiqué dated April 2017).



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PJLA Testing ISO/IEC 17025:2017 Accreditation #: 99258



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| Cannabinoids   | % w/w | mg/250 mg | mg/300 mg | mg/500 mg | mg/1,000 mg |
|----------------|-------|-----------|-----------|-----------|-------------|
| CBDV           | ----  | ----      | ----      | ----      | ----        |
| CBD            | ----  | ----      | ----      | ----      | ----        |
| CBDA           | ----  | ----      | ----      | ----      | ----        |
| CBGA           | ----  | ----      | ----      | ----      | ----        |
| CBG            | 2.89  | 7.23      | 8.67      | 14.45     | 28.90       |
| CBD            | 0.22  | 0.55      | 0.66      | 1.10      | 2.20        |
| THCV           | 0.45  | 1.13      | 1.35      | 2.25      | 4.50        |
| CBN            | 1.96  | 4.90      | 5.88      | 9.80      | 19.60       |
| $\Delta^9$ THC | 78.54 | 196.35    | 235.62    | 392.70    | 785.40      |
| CBL            | ----  | ----      | ----      | ----      | ----        |
| CBC            | ----  | ----      | ----      | ----      | ----        |
| THCA           | ----  | ----      | ----      | ----      | ----        |

| Most Prevalent Terpenes | Results (% w/w) |
|-------------------------|-----------------|
| $\beta$ -Myrcene        | 0.93            |
| Terpinolene             | 0.22            |
| $\beta$ -Caryophyllene  | 1.46            |
| $\alpha$ -Humulene      | 0.41            |

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 09/07/2023.

