

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

Date Received: 09/29/2023  
Report Date: 10/09/2023  
NELabs Report ID: 2391494-09

## Product ID: BCK-23-RD1

| Microbiology                                           | Results (CFU) | Limits (CFU) | Methods      |
|--------------------------------------------------------|---------------|--------------|--------------|
| Total Aerobic Microbial Count                          | 250           | 100,000      | AOAC 990.12  |
| Total Yeast & Mold Count                               | 750           | 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 <sup>a</sup> ) |
|---------------------------|-------------------------------|
| CBDV                      | ----                          |
| CBDA                      | 0.06                          |
| CBGA                      | 1.00                          |
| CBG                       | <LOQ                          |
| CBD                       | ----                          |
| THCV                      | ----                          |
| CBN                       | ----                          |
| Δ <sup>9</sup> THC        | 0.64                          |
| CBL                       | ----                          |
| CBC                       | ----                          |
| THCA                      | 26.48                         |
| Total Cannabinoids        | <b>28.18 %</b>                |
| <b>Total THC: 23.86 %</b> |                               |

<sup>a</sup>: percentages reported by dry weight

| Moisture              | Results |
|-----------------------|---------|
| Water Content (% w/w) | 15.2    |
| Water Activity (Aw)   | 0.55    |

| Terpenes by GC-MS             | Results (% w/w <sup>a</sup> ) |
|-------------------------------|-------------------------------|
| α-Pinene                      | 0.02                          |
| Camphene                      | ----                          |
| β-Myrcene                     | 0.46                          |
| β-Pinene                      | 0.04                          |
| 3-Carene                      | ----                          |
| α-Terpinene                   | ----                          |
| Limonene                      | 0.13                          |
| Ocimene                       | 0.01                          |
| p-Cymene                      | ----                          |
| γ-Terpinene                   | ----                          |
| Terpinolene                   | ----                          |
| Linalool                      | 0.06                          |
| (-)-Isopulegol                | ----                          |
| Geraniol                      | ----                          |
| β-Caryophyllene               | 0.24                          |
| α-Humulene                    | 0.07                          |
| cis-Nerolidol                 | ----                          |
| trans-Nerolidol               | ----                          |
| Guaiol                        | 0.03                          |
| α-Bisabolol                   | ----                          |
| <b>Total Terpenes: 1.06 %</b> |                               |

<sup>a</sup>: percentages reported by dry weight



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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 ( $\mu\text{g/kg}$ ) | Limits ( $\mu\text{g/kg}$ ) |
|-----------------------------|------------------------------|-----------------------------|
| Aflatoxins (B1, B2, G1, G2) | <20 each                     | <20 each                    |
| Ochratoxin-A                | <20                          | <20                         |
| Pass/Fail: <b>PASS</b>      |                              |                             |

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 09/29/2023.

|          |                                        |                                     |
|----------|----------------------------------------|-------------------------------------|
| Date:    | Reviewed by: <i>Michelle Szylobryt</i> | Released by: <i>Zachary Canone</i>  |
| 10/09/23 | Michelle Szylobryt, QA / QC            | Zachary Canone, 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).

