

Theraplant LLC  
856 Echo Lake Rd  
Watertown, CT 06795

Date Received: 11/20/2024  
Report Date: 11/27/2024  
NELabs Report ID: 2495451-05

### Black Ch GMO 4513

Biotrack ID: Black Ch GMO 4513

0609 2104 8344 4360

| Microbiology                                           | Results      | Limits       | Methods      |
|--------------------------------------------------------|--------------|--------------|--------------|
| Total Aerobic Microbial Count (cfu/g)                  | 350 cfu/g    | 100,000      | AOAC 990.12  |
| Total Yeast & Mold Count (cfu/g)                       | <100 cfu/g   | 100,000      | AOAC 2014.05 |
| <i>Aspergillus</i> (flavus, fumigatus, terreus, niger) | 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 | qPCR         |
| Pass/Fail                                              | Pass         |              |              |

By HPLC

By GC - MS

| Cannabinoids                                          | Results (% w/w)* |
|-------------------------------------------------------|------------------|
| CBDV                                                  |                  |
| CBDA                                                  | <LOQ             |
| CBGA                                                  | 0.45             |
| CBG                                                   | <LOQ             |
| CBD                                                   |                  |
| THCV                                                  |                  |
| CBN                                                   |                  |
| $\Delta^9$ THC                                        | 0.47             |
| $\Delta^8$ THC                                        |                  |
| CBL                                                   |                  |
| THCA                                                  | 20.39            |
| CBC                                                   |                  |
| Total Cannabinoids                                    | <b>21.31</b>     |
| Total THC % $(0.877 \times \text{THCA}) + \text{THC}$ | <b>18.35</b>     |

| Terpenes               | Results (% w/w)* |
|------------------------|------------------|
| $\alpha$ -Pinene       | 0.01             |
| $\beta$ -Myrcene       | 0.56             |
| $\beta$ -Pinene        | 0.03             |
| Limonene               | 0.15             |
| $\alpha$ -Terpinolene  |                  |
| Linalool               | 0.10             |
| $\beta$ -Caryophyllene | 0.20             |
| $\alpha$ -Humulene     | 0.05             |
| Caryophyllene Oxide    |                  |
| $\alpha$ -Bisabolol    |                  |
| Total Terpenes         | <b>1.10</b>      |

\* % by dry weight

### Moisture

### Results

|                       |      |
|-----------------------|------|
| Water Content (% w/w) | 11.0 |
| Water Activity (Aw)   | 0.47 |



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

State of CT: ACTL.0000004



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| Pesticides         | Results             | Limits              | Methods         |
|--------------------|---------------------|---------------------|-----------------|
| Per Sample ≥ 0.5 g | Below Action Limits | Below Action Limits | LC & GC - MS/MS |
| Pass/Fail          | Pass                |                     |                 |

| Mycotoxins                  | Results (µg/kg)     | Limits (µg/kg) | Methods    |
|-----------------------------|---------------------|----------------|------------|
| Aflatoxins (B1, B2, G1, G2) | Below Action Limits | < 20 each      | LC - MS/MS |
| Ochratoxin-A                | Below Action Limits | < 20           |            |
| Pass/Fail                   | Pass                |                |            |

| Heavy Metals       | Results             | Limits              | Methods  |
|--------------------|---------------------|---------------------|----------|
| As, Cd, Pb, Hg, Cr | Below Action Limits | Below Action Limits | ICP - MS |
| Pass/Fail          | Pass                |                     |          |

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 11/20/2024

|             |                                                                                     |                                                                                       |
|-------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>DATE</b> | <b>Reviewed by</b>                                                                  | <b>Released by</b>                                                                    |
| 11/27/2024  |  |  |
|             | Garrett Johnson, QA/QC                                                              | Zackary Cannone, Laboratory Director                                                  |

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025: 2017.  
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).  
Not all results and/or analytes reported are obtained for ISO accredited testing methods.  
Please refer to our ISO certificate for a full list of testing under our scope of accreditation.



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