

**CTPharma**  
280 Dividend Dr.  
Rocky Hill, CT 06067

Date Received: 06/30/2023  
Report Date: 08/17/2023  
NELabs Report ID: 2390629-02

## Product ID: HE0019

| 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                      | 0.25            |
| CBG                       | 0.78            |
| CBD                       | ----            |
| THCV                      | ----            |
| CBN                       | ----            |
| $\Delta^9$ THC            | 70.60           |
| CBL                       | ----            |
| CBC                       | ----            |
| THCA                      | 10.87           |
| Total Cannabinoids        | <b>82.50 %</b>  |
| <b>Total THC: 80.13 %</b> |                 |

| *Residual Solvent<br>by GC-MS | Results (% w/w) |
|-------------------------------|-----------------|
| Butane                        | <LOQ            |
| Propane                       | ND              |

| Terpenes by GC-MS             | Results (% w/w) |
|-------------------------------|-----------------|
| $\alpha$ -Pinene              | 0.42            |
| Camphene                      | 0.08            |
| $\beta$ -Myrcene              | 0.15            |
| $\beta$ -Pinene               | 0.03            |
| 3-Carene                      | ----            |
| $\alpha$ -Terpinene           | ----            |
| Limonene                      | 2.18            |
| Ocimene                       | 0.03            |
| p-Cymene                      | ----            |
| $\gamma$ -Terpinene           | 0.01            |
| Terpinolene                   | 0.05            |
| Linalool                      | 0.14            |
| (-)-Isopulegol                | ----            |
| Geraniol                      | ----            |
| $\beta$ -Caryophyllene        | 1.62            |
| $\alpha$ -Humulene            | 0.06            |
| cis-Nerolidol                 | 0.20            |
| trans-Nerolidol               | ----            |
| Guaiol                        | 0.03            |
| $\alpha$ -Bisabolol           | 0.04            |
| <b>Total Terpenes: 5.04 %</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 ( $\mu\text{g/kg}$ ) | Limits ( $\mu\text{g/kg}$ ) |
|-----------------------------|------------------------------|-----------------------------|
| Aflatoxins (B1, B2, G1, G2) | <20 each                     | <20 each                    |
| Ochratoxin-A                | <20                          | <20                         |
| Pass/Fail: <b>PASS</b>      |                              |                             |

| Ingredient Testing by FTIR | Results ( $\mu\text{g/kg}$ ) | Limits ( $\mu\text{g/kg}$ ) |
|----------------------------|------------------------------|-----------------------------|
| 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 06/30/2023 except for the following: \*Residual Solvent; results from 08/07/2023 (2390961-09).

|            |                                        |                                      |
|------------|----------------------------------------|--------------------------------------|
| Date:      | Reviewed by: <i>Michelle Szylobryt</i> | Released by: <i>Zachary Cannone</i>  |
| 08/17/2023 | 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).

