

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

Date Received: 03/08/2023  
Report Date: 03/16/2023  
NELabs Report ID: 2389689-03

## Product ID: AFR110722

| 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 <sup>a</sup> ) |
|---------------------------|-------------------------------|
| CBDV                      | ----                          |
| CBDA                      | 0.13                          |
| CBGA                      | 0.81                          |
| CBG                       | 0.20                          |
| CBD                       | ----                          |
| THCV                      | ----                          |
| CBN                       | ----                          |
| Δ <sup>9</sup> THC        | 0.31                          |
| CBL                       | ----                          |
| CBC                       | ----                          |
| THCA                      | 27.64                         |
| Total Cannabinoids        | <b>29.09 %</b>                |
| <b>Total THC: 24.55 %</b> |                               |

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

| Moisture              | Results |
|-----------------------|---------|
| Water Content (% w/w) | 12.60   |
| Water Activity (Aw)   | 0.50    |

| Terpenes by GC-MS             | Results (% w/w <sup>a</sup> ) |
|-------------------------------|-------------------------------|
| α-Pinene                      | 0.01                          |
| Camphene                      | ----                          |
| β-Myrcene                     | 0.62                          |
| β-Pinene                      | 0.02                          |
| 3-Carene                      | ----                          |
| α-Terpinene                   | ----                          |
| Limonene                      | 0.05                          |
| Ocimene                       | 0.04                          |
| p-Cymene                      | ----                          |
| γ-Terpinene                   | ----                          |
| Terpinolene                   | ----                          |
| Linalool                      | 0.05                          |
| (-)-Isopulegol                | ----                          |
| Geraniol                      | ----                          |
| β-Caryophyllene               | 0.73                          |
| α-Humulene                    | 0.27                          |
| cis-Nerolidol                 | 0.14                          |
| trans-Nerolidol               | ----                          |
| Guaiol                        | ----                          |
| α-Bisabolol                   | 0.01                          |
| <b>Total Terpenes: 1.94 %</b> |                               |

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



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

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

| <b>Mycotoxins</b> by LC-MS/MS | <b>Results (<math>\mu\text{g/kg}</math>)</b> | <b>Limits (<math>\mu\text{g/kg}</math>)</b> |
|-------------------------------|----------------------------------------------|---------------------------------------------|
| 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 03/08/2023.

|            |                                        |                                      |
|------------|----------------------------------------|--------------------------------------|
| Date:      | Reviewed by: <i>Michelle Szylobryt</i> | Released by: <i>Zachary Cannone</i>  |
| 03/16/2023 | 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).

