

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

Date Received: 09/11/2023  
Report Date: 09/20/2023  
NELabs Report ID: 2391281-04

## Product ID: HZY022023-Kief

| Microbiology                                           | Results (CFU) | Limits (CFU) | Methods      |
|--------------------------------------------------------|---------------|--------------|--------------|
| Total Aerobic Microbial Count                          | 100           | 100,000      | AOAC 990.12  |
| Total Yeast & Mold Count                               | 12,000        | 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                      | 0.33                          |
| CBGA                      | 1.84                          |
| CBG                       | 0.34                          |
| CBD                       | ----                          |
| THCV                      | ----                          |
| CBN                       | ----                          |
| $\Delta^9$ THC            | 1.01                          |
| CBL                       | ----                          |
| CBC                       | ----                          |
| THCA                      | 60.84                         |
| Total Cannabinoids        | <b>64.36 %</b>                |
| <b>Total THC: 54.37 %</b> |                               |

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

| Moisture              | Results |
|-----------------------|---------|
| Water Content (% w/w) | 12.20   |
| Water Activity (Aw)   | 0.54    |

| Terpenes by GC-MS             | Results (% w/w <sup>a</sup> ) |
|-------------------------------|-------------------------------|
| $\alpha$ -Pinene              | 0.07                          |
| Camphene                      | 0.01                          |
| $\beta$ -Myrcene              | 0.16                          |
| $\beta$ -Pinene               | 0.10                          |
| 3-Carene                      | 0.02                          |
| $\alpha$ -Terpinene           | 0.03                          |
| Limonene                      | 0.05                          |
| Ocimene                       | 0.19                          |
| p-Cymene                      | ----                          |
| $\gamma$ -Terpinene           | 0.10                          |
| Terpinolene                   | 0.35                          |
| Linalool                      | 0.06                          |
| (-)-Isopulegol                | ----                          |
| Geraniol                      | ----                          |
| $\beta$ -Caryophyllene        | ----                          |
| $\alpha$ -Humulene            | 0.26                          |
| cis-Nerolidol                 | 0.12                          |
| trans-Nerolidol               | ----                          |
| Guaiol                        | ----                          |
| $\alpha$ -Bisabolol           | ----                          |
| <b>Total Terpenes: 1.52 %</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 09/11/2023.

|            |                                                                                                  |                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Date:      | Reviewed by:  | Released by:  |
| 09/20/2023 | Garrett Johnson, 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 ISOILAC-IAF Communiqué dated April 2017).

