

# Certificate of Analysis



**Final Product:** Tincture - Cannabidiol Isolate  
**Flavor:** Blood Orange **Strength:** 500 mg  
**Date of Manufacture:** 06/19

**Lot Number:** PL1906F-036


| Test   | Methodology                             | Specification  | Test Results (Average)* | Pass/Fail |      |
|--|---|--|-------------------------|-----------|------|
| Color and Appearance - Product                 | TM-004 (Visual)                         | Clear or yellow to orange/red clear, flowing, liquid free of particulates                                    | Conforms                | Pass      |      |
| Aroma/Odor                                     | TM-004 (Organoleptic)                   | Prominent labeled aroma  | Conforms                | Pass      |      |
| Flavor   | TM-004 (Organoleptic)                   | Prominent labeled taste  | Conforms                | Pass      |      |
| CBD Identification                             | TM-003 (DAD Retention Time)             | Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard. | Conforms                | Pass      |      |
|  | TM-003 (DAD UV Spectrum)                | UV Spectrum of the primary peak in sample chromatogram matches that in the analytical reference standard.    | Conforms                | Pass      |      |
| CBD Content Assay (% of label claim)           | TM-003 (HPLC-DAD)                       | 90.0 – 110.0%  | 99.2                    | Pass      |      |
| THC Content (% w/w)                            | THC                                     | TM-003 (HPLC-DAD)  | Report                  | N/A       |      |
|  | THCA                                    | TM-003 (HPLC-DAD)  | Report                  | N/A       |      |
|  | Total THC                               | TM-003 (HPLC-DAD)  | ≤ 0.05%                 | Pass      |      |
| Related Cannabinoid Content (% w/w)            | CBDA                                    | TM-003 (HPLC-DAD)  | Report                  | N/A       |      |
|  | CBN                                     | TM-003 (HPLC-DAD)  | Report                  | < LOQ     |      |
|  | CBDV                                    | TM-003 (HPLC-DAD)  | Report                  | 0.003     |      |
|  | CBG                                     | TM-003 (HPLC-DAD)  | Report                  | ND        |      |
|  | Other (Highest)                         | TM-003 (HPLC-DAD)  | Report                  | 0.008     |      |
|  | Total                                   | TM-003 (HPLC-DAD)  | Report                  | 0.023     |      |
| Total Cannabinoids (CBD plus total RCs, % w/w) | TM-003 (HPLC-DAD)                       | Report   | 1.734                   | N/A       |      |
| Pesticides (Highest, ppm)                      | Individual Pesticide Content Test List† | LC-MS‡   | Conforms†               | < LOQ     | Pass |
| Elemental Impurities (ppm)                     | Arsenic                                 | ICP-MS‡  | < 1.5 ppm               | 0.016     | Pass |
|  | Cadmium                                 | ICP-MS‡  | < 0.5 ppm               | ND        | Pass |
|  | Lead                                    | ICP-MS‡  | < 0.5 ppm               | 0.006     | Pass |
|  | Mercury                                 | ICP-MS‡  | < 1.5 ppm               | 0.003     | Pass |

\* Number of replicates: 3


† Full list of individual pesticide residues on file, Micro Quality Labs, Inc. LOQ of 0.05 ppm - 4 ppm for individual residues.

‡ Contract Testing performed by Micro Quality Labs, Inc.

## Prepared by

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## Quality Approval

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