

# Certificate of Analysis

**Final Product:** CBD Isolate Tincture - Bulk  
**Date of Manufacture:** December 2021  
**Manufacturing Lot:** B2112B274  
**Packaging Lots:**  
 210187

**Flavor:** Melon

**Strength:** 3000mg



| Test                                | Methodology   | Specification  | Test Results (Average)* | Pass/Fail |
|-------------------------------------|---|--|-------------------------|-----------|
| Color and Appearance - Product      | TM-004 (Visual)   | Clear or yellow to orange/red flowing liquid, free of particulates   | Conforms                | Pass      |
| Aroma / Odor                        | TM-004 (Organoleptic)                                   | Prominent labeled aroma  | Conforms                | Pass      |
| Cannabidiol 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) 100 - 120 %  | 113.0                   | Pass      |
|                                     | Assay(%w/w)   | TM-003 (HPLC-DAD) Report   | 11.690                  | NA        |
| THC Content (% w/w)                 | THC(%w/w)   | TM-003 (HPLC-DAD) Report   | 0.004                   | NA        |
|                                     | THCA(%w/w)  | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | Total THC (THC + THCA*0.877)(%w/w)                      | TM-003 (HPLC-DAD) ≤0.05 %w/w   | 0.004                   | Pass      |
| Related Cannabinoid Content (% w/w) | CBN(%w/w)   | TM-003 (HPLC-DAD) Report   | 0.001                   | NA        |
|                                     | cis-THC(%w/w)   | TM-003 (HPLC-DAD) Report   | 0.001                   | NA        |
|                                     | d8-THC(%w/w)  | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | THCV(%w/w)  | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | THCVA(%w/w)   | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | CBC(%w/w)   | TM-003 (HPLC-DAD) Report   | 0.003                   | NA        |
|                                     | CBDA(%w/w)  | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | CBDVA(%w/w)   | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | CBDV(%w/w)  | TM-003 (HPLC-DAD) Report   | 0.047                   | NA        |
|                                     | CBE(%w/w)   | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | CBGA(%w/w)  | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | CBG(%w/w)   | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | CBL(%w/w)   | TM-003 (HPLC-DAD) Report   | ND                      | NA        |
|                                     | CBT(%w/w)   | TM-003 (HPLC-DAD) Report   | 0.002                   | NA        |
|                                     | Total (Sum of all observed Related Cannabinoids)(% w/w) | TM-003 (HPLC-DAD) Report   | 0.058                   | NA        |
|                                     | Total Cannabinoids (CBD plus total RCs, % w/w)          | TM-003 (HPLC-DAD) Report   | 11.748                  | NA        |

\*Number of replicates: 3

**Data Reviewed and Approved by:** Tim Ghelli  
 12/2/2021 2:41:45 PM