

# Certificate of Analysis

**Final Product:** Bulk CBD Isolate Tincture  
**Date of Manufacture:** May 2021  
**Manufacturing Lot:** B2105B085  
**Packaging Lots:** 210097

**Flavor:** Peppermint

**Strength:** 1500mg



| 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      |
| Cannabinoid 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 %                                                                             | 99.0                    | Pass      |
|                                                | Assay(%w/w)                                             | TM-003 (HPLC-DAD) Report                                                                                     | 5.119                   | NA        |
| THC Content (% w/w)                            | THC(%w/w)                                               | TM-003 (HPLC-DAD) Report                                                                                     | 0.002                   | 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                                                                                 | 0.002                   | Pass      |
| Related Cannabinoid Content (% w/w)            | CBN(%w/w)                                               | TM-003 (HPLC-DAD) Report                                                                                     | ND                      | NA        |
|                                                | cis-THC(%w/w)                                           | TM-003 (HPLC-DAD) Report                                                                                     | ND                      | 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                                                                                     | 0.001                   | 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                                                                                     | 0.019                   | 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                                                                                     | ND                      | NA        |
|                                                | Total (Sum of all observed Related Cannabinoids)(% w/w) | TM-003 (HPLC-DAD) Report                                                                                     | 0.022                   | NA        |
| Total Cannabinoids (CBD plus total RCs, % w/w) | TM-003 (HPLC-DAD) Report                                | 5.140                                                                                                        | NA                      |           |

\*Number of replicates: 3

**Data Reviewed and Approved by:** Tim Ghelli  
**6/23/2021 1:08:46 PM**

Specification: FX013  
Mfg Lot: B2105B085

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