

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 |
| 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) 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**
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