

Certificate of Analysis

Final Product: Tincture - Hemp Oil Distillate
Flavor: Natural **Strength:** 1000 mg
Date of Manufacture: 05/2019

Lot Number: PL1905F-027



| 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% | 98.5 | Pass | |
| THC Content (% w/w) | THC | TM-003 (HPLC-DAD) | Report | 0.078 | N/A |
| | THCA | TM-003 (HPLC-DAD) | Report | ND | N/A |
| | Total THC | TM-003 (HPLC-DAD) | ≤ 0.3% | 0.078 | Pass |
| Related Cannabinoid Content (% w/w) | CBDA | TM-003 (HPLC-DAD) | Report | ND | N/A |
| | CBN | TM-003 (HPLC-DAD) | Report | 0.008 | N/A |
| | CBDV | TM-003 (HPLC-DAD) | Report | 0.013 | N/A |
| | CBG | TM-003 (HPLC-DAD) | Report | 0.024 | N/A |
| | Other (Highest) | TM-003 (HPLC-DAD) | Report | 0.153 | N/A |
| | Total | TM-003 (HPLC-DAD) | Report | 0.356 | N/A |
| Total Cannabinoids (CBD plus total RCs, % w/w) | TM-003 (HPLC-DAD) | Report | 3.753 | N/A | |
| Pesticides (Highest, ppm) | Individual Pesticide Content Test List† | LC-MS‡ | Conforms† | < LOQ | Pass |
| Elemental Impurities (ppm) | Arsenic | ICP-MS‡ | < 1.5 ppm | < LOQ | Pass |
| | Cadmium | ICP-MS‡ | < 0.5 ppm | < LOQ | Pass |
| | Lead | ICP-MS‡ | < 0.5 ppm | < LOQ | Pass |
| | Mercury | ICP-MS‡ | < 1.5 ppm | < LOQ | Pass |

* Number of replicates: 4

† Full list of individual pesticide residues on file, Eurofins LOQ of 0.05 ppm for individual residues.

‡ Contract Testing performed by Eurofins BioDiagnostics.

Prepared by

DocuSigned by:

Signer Name: Vanessa Johnson
 Signing Reason: I am the author of this document
 Signing Time: 8/30/2019 | 11:11:41 AM PDT

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Quality Approval

DocuSigned by:

Signer Name: Beth Grant
 Signing Reason: I approve this document
 Signing Time: 8/30/2019 | 1:23:16 PM PDT

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