Certificate of Analysis

Final Product: Tincture - Hemp Oil Distillate Flavor: Peppermint Date of Manufacture: 05/19 Strength: 1000mg

Lot Number: PL1905F-033



| 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% | 96.6 | Pass |
| THC Content (% w/w) | тнс | TM-003 (HPLC-DAD) | Report | 0.077 | N/A |
| | THCA | TM-003 (HPLC-DAD) | Report | ND | N/A |
| | Total THC | TM-003 (HPLC-DAD) | ≤ 0.3% | 0.077 | 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 | 0.015 | N/A |
| | CBG | TM-003 (HPLC-DAD) | Report | 0.022 | N/A |
| | Other (Highest) | TM-003 (HPLC-DAD) | Report | 0.149 | N/A |
| | Total | TM-003 (HPLC-DAD) | Report | 0.371 | N/A |
| Total Cannabinoids (CBD plus total RCs, % w/w) | | TM-003 (HPLC-DAD) | Report | 3.701 | N/A |
| Pesticides (Highest, ppm) | Individual Pesticide Content Test List [†] | LC-MS [‡] | Conforms [†] | Conforms | Pass |
| Elemental Impurities (ppm) | Arsenic | ICP-MS [‡] | < 1.5 ppm | <loq< td=""><td>Pass</td></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

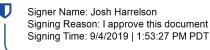
[†] Full list of individual pesticide residues on file, Eurofins LOQ of 0.05 ppm for individual residues.

[‡] Contract Testing performed by Eurofins BioDiagnostics.

Prepared by

DocuSigned by:

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Quality Approval

-DocuSigned by:

Beth Grant

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Signer Name: Beth Grant Signing Reason: I approve this document Signing Time: 9/4/2019 | 4:14:33 PM PDT

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