CERTIFICATE OF ANALYSIS:

# FULL SPECTRUM MCT OIL LIQUID EMULSION

## Product Name

Full Spectrum MCT Oil Liquid Emulsion

## Formulation

500mg/30mL Peppermint

## Batch Number

LE190069

## Manufacture Date

January 30, 2019

## Expiration Date

January 2021

## Product Ingredients

Medium chain triglycerides derived from coconuts, hemp derived CBD extract, natural flavors.

## Botanical Source

Industrial Hemp, grown and processed in Kentucky, USA in compliance with Section 7606 of the Farm Bill and applicable Kentucky State Law and State Department of Agriculture regulations.

## Qualitative Analysis

| OBSERVATION | METHOD | SPECIFICATION | RESULT |
|---|---|---|---|
| Foreign Matter | Gross Visual/Microscopic | None | CONFORMS |
| Color | Gross Visual/Microscopic | Amber | CONFORMS |
| Molds & Mildews | Gross Visual/Microscopic | None | CONFORMS |
| Smell | Olfactory | Peppermint | CONFORMS |
| Product Feel | Tactile | Oily, Viscous | CONFORMS |

## Quantitative Analysis

### Cannabinoid Analysis

RESULT: PASS

| IDENTIFICATION | METHOD | RESULT |
|---|---|---|
| Cannabinoid | HPLC-DAD | %wt/wt |
| Cannabidiolic Acid (CBDA) | HPLC-DAD | N/D |
| Cannabidiol (CBD) | HPLC-DAD | 1.85% |
| Cannabidivarin (CBDV) | HPLC-DAD | 0.01% |
| Tetrahydrocannabinolic Acid (THCA) | HPLC-DAD | N/D |
| Δ-9-Tetrahydrocannabinol (Δ-9-THC) | HPLC-DAD | 0.07% |
| Cannabinol (CBN) | HPLC-DAD | N/D |
| Cannabichromene (CBC) | HPLC-DAD | 0.11% |

***Denotes third party analysis. Source data available upon request.*
*N/A NOT APPLICABLE TO PRODUCT TYPE*
*N/D NOT DETECTED*

*Christopher E Stubbs, CSO*

# PROVERDE LABORATORIES

# Test Certificate

Certificate ID: **47629**
Client Sample ID: **LE_190069_012919**
Lot Number: **LE190069**
Matrix: **Tincture - MCT Oil**

Received: **2/1/19**

Scan QR Code for authenticity

GenCanna

| Authorization: | Signature: | Date: |
|---|---|---|
| Jon Podgorni, Lab Manager | Jon Podgorni | 2/15/2019 |

PJLA Testing
Accreditation
# 80585

The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2005. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

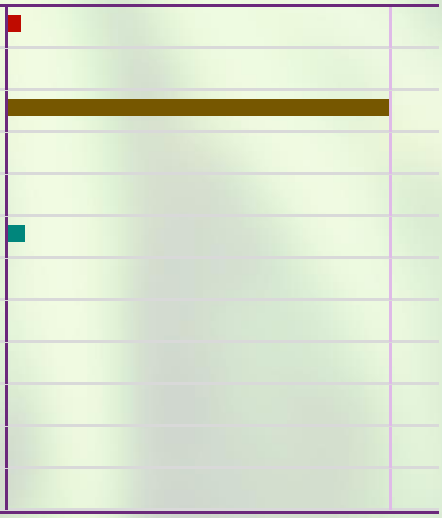
## *CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]*

*Analyst: LG* *Test Date: 2/8/2019*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

***47629-CN***

| ID | Weight % | Conc. |
|---|---|---|
| D9-THC | 0.07 wt % | 0.65 mg/mL |
| THCV | ND | ND |
| CBD | 1.81 wt % | 17.21 mg/mL |
| CBDV | ND | ND |
| CBG | ND | ND |
| CBC | 0.08 wt % | 0.81 mg/mL |
| CBN | ND | ND |
| THCA | ND | ND |
| CBDA | ND | ND |
| CBGA | ND | ND |
| D8-THC | ND | ND |
| exo-THC | ND | ND |
| Total | 1.97 wt% | 18.67 mg/mL |
| Max THC | 0.07 wt% | 0.65 mg/mL |
| Max CBD | 1.81 wt% | 17.21 mg/mL |




**Ratio of Total CBD to THC 26.4:1**

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LLD)

## *MB1: Microbiological Contaminants [WI-10-09]* *Analyst: MM* *Test Date: 2/5/2019*

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

***47629-MB1***

| Symbol | Analysis | Results | Units | Limits* | Status |
|---|---|---|---|---|---|
| AC | Total Aerobic Bacterial Count | <100 | CFU/g | 100,000 CFU/g | PASS |
| CC | Total Coliform Bacterial Count | <100 | CFU/g | 1,000 CFU/g | PASS |
| EB | Total Bile Tolerant Gram Negative Count | <100 | CFU/g | 1,000 CFU/g | PASS |
| YM | Total Yeast & Mold | <100 | CFU/g | 10,000 CFU/g | PASS |

Note: All recorded Microbiological tests are within the established limits.

**END OF REPORT**