

CERTIFICATE OF ANALYSIS: FULL SPECTRUM MCT OIL LIQUID EMULSION

Product Name

Full Spectrum MCT Oil Liquid Emulsion

Formulation

500mg/30mL Orange Cream

Batch Number

LE18615

Manufacture Date

December 20, 2018

Expiration Date

December 2020

Product Ingredients

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

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	Orange Cream	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	0.02%
Cannabidiol (CBD)	HPLC-DAD	1.83%
Cannabidivarin (CBDV)	HPLC-DAD	0.01%
Tetrahydrocannabinolic Acid (THCA)	HPLC-DAD	N/D
Δ -9-Tetrahydrocannabinol (Δ -9-THC)	HPLC-DAD	0.06%
Cannabinol (CBN)	HPLC-DAD	N/D
Cannabichromene (CBC)	HPLC-DAD	0.05%

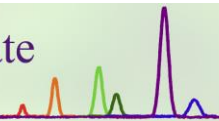
**Denotes third party analysis. Source data available upon request.

N/A NOT APPLICABLE TO PRODUCT TYPE

N/D NOT DETECTED



Christopher E Stubbs, CSO



Certificate ID: **45485**

Received: **12/24/18**

Scan QR Code for authenticity



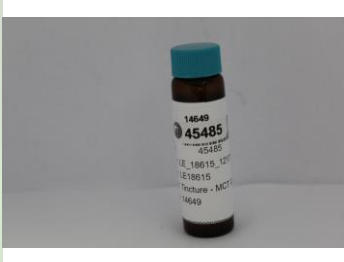
Client Sample ID: **LE_18615_121718**



Lot Number: **LE18615**

Matrix: **Tincture - MCT Oil**

Authorization: Jon Podgorni, Lab Manager	Signature: <i>Jon Podgorni</i>	Date: 1/16/2019
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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: **1/11/2019**

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.

45485-CN

ID	Weight %	Conc.		
D9-THC	0.06 wt %	0.56 mg/mL		
THCV	ND	ND		
CBD	1.82 wt %	17.45 mg/mL		
CBDV	0.01 wt %	0.12 mg/mL		
CBG	0.02 wt %	0.15 mg/mL		
CBC	0.05 wt %	0.46 mg/mL		
CBN	ND	ND		
THCA	ND	ND		
CBDA	0.02 wt %	0.21 mg/mL		
CBGA	ND	ND		
Total	1.98 wt%	18.95 mg/mL	0%	Cannabinoids (wt%) 1.8%
Max THC	0.06 wt%	0.56 mg/mL		
Max CBD	1.84 wt%	17.64 mg/mL		

Ratio of Total CBD to THC 31.6:1

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: $\text{Max THC} = (0.877 \times \text{THCA}) + \text{THC}$. ND = None detected above the limits of detection (LLD)

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.

45485-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