



### CERTIFICATE OF QUALITY ASSURANCE

**PRODUCT NAME:** THC-Free Phytocannabinoid-Rich Hemp Oil Tinctures

**PRODUCT CODE:** T-NO-500mg/1oz-NF-MCT-BULK

**LOT NUMBER:** MRV122618T2 (Sales Order# DDWE-005-CT-E, Total of 505 g cannabinoids in Total formulation of 28,000 g)

**OIL BATCH NUMBER:** CONO18-97

**DATE OF MANUFACTURE:** 26Dec2018

*Expiration date is 18 months under sealed conditions.*

**ACTIVE INGREDIENTS:** THC-Free Phytocannabinoid-Rich Hemp Oil

**INACTIVE INGREDIENTS:** Medium Chain Triglycerides (MCT Oil)

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Thin Oil	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Clear	Conforms	QCU002
Cannabinoid Content	95 - 110% of target concentration, THC - Report results	500 mg total Phytocannabinoids per 1 oz, THC Not Detected	QCU001

Package	Acceptance Criteria	Results
Primary Package	Container dedusted and wiped clean Container caps screwed on tight	Conforms
Secondary Package	Carton Sturdy and clean Sufficient cushion material exists Carton taped on all sides	Conforms

**Note:** Bulk tinctures assume an oil density of 0.92g/mL. Therefore, to fill 1 oz tinctures, we recommend filling them to 28 grams in order to ensure accurate dosing. The density can be used to calculate the fill weight for other package sizes.

**Storage:** Room Temperature, Protect from Light

Prepared by:  Inspection Control, Folium Biosciences

Reviewed by:  Fulfillment, Folium Biosciences

This product is not intended to diagnose, treat, cure, or prevent any disease and has not been evaluated by the FDA.



## CERTIFICATE OF INTERNAL ANALYSIS

**TYPE:** Phytocannabinoid-Rich Hemp Oil/ THC-free **TERPENE RESULTS\*:**

**BATCH No:** CONO18-97

**Date of Manufacture:** 21Dec2018

**Date of Analysis:** 21Dec2018

**POTENCY RESULTS:**

Cannabinoid	Wt. (%)	(mg/g)
CBD	90.84	908.35
CBG	ND**	ND**
CBN	ND**	ND**
THC	ND**	ND**
CBC	ND**	ND**
THC-A	ND**	ND**
CBD-A	ND**	ND**
MAX THC	ND**	ND**
MAX CBD	90.84	908.35
TOTAL ACTIVE	90.84	908.35

**Residual Solvents\*:**

Propane	Compliant with USP<467>	Pentane	Compliant with USP<467>
Isobutane	Compliant with USP<467>	Isopropanol	Compliant with USP<467>
Butane	Compliant with USP<467>	Hexane	Compliant with USP<467>
Ethanol	Compliant with USP<467>	Acetone	Compliant with USP<467>

**Heavy Metals\*:**

Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

	Wt. (%)		Wt. (%)
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Guaiol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

**Pesticides\*:**

Acequinocyl	ND***	Spinosad	ND***
Pyrethrium	ND***	Spirotetramat	ND***
Spiromesifen	ND***	Bifenazate	ND***
Abamectin	ND***	Fenoxycarb	ND***
Imidacloprid	ND***	Paclobutrazol	ND***

Test ID: 121918KP

\*Batches are sent out regularly for testing, not all batches tested

\*\* ND = Not Detected using a validated high-performance liquid chromatography test method

\*\*\* Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)

**SPECIAL NOTE:** Process enhancement has recently been implemented to remove excess pigmentation from the oil due to customer requests. While the color of the future oil batches will be golden to light amber, its composition and the full spectrum characteristics remain unchanged.

**Batch Release:**

Chemist: Erin Jordan

*Erin Jordan* 21 Dec 2018

Ashley Oroscio

*Ashley Oroscio* 21 Dec 2018

COPY

AP0 21 Dec 2018

## Cannabinoids Potency/Homogeneity and Contaminant Analysis Report

Sample Name: Fleur Botanicals-500mg Natural Tincture-MRV122618T2  
 Sample Type: Ingestible, Tincture, Other  
 Sample ID: 1910AU0210.15684  
 Batch ID:  
 METRC Tag: 1A4000712681366000004755

Fleur Botanicals LLC  
 PO Box 19445  
 Denver, CO 80219  
 (210) 865-7856  
 Lic. #403H-75142.43

### Cannabinoid Content Sample Photo

Analyte	LOQ	Amount	Amount
	mg/unit	mg/unit	%
THCa	5.16	ND	ND
Δ9-THC	5.16	ND	ND
Δ8-THC	2.41	ND	ND
CBDa	5.16	ND	ND
CBD	5.16	521.41	1.688
CBDVa	2.41	ND	ND
CBDV	2.41	3.65	0.012
CBN	2.41	ND	ND
CBGa	2.41	ND	ND
CBG	2.41	ND	ND
CBCa	2.41	ND	ND
CBC	2.41	ND	ND
CBL	2.41	ND	ND




Units per Package: Unit Type: 1 oz (30 mL)


### CBD Homogeneity Notes & Interpretations

Number of Samples Tested	1
CBD Homogeneity	Not Tested

Analyzed via AAM-001 using Agilent 1220 HPLC-DAD

### Final Approval Test Status

  
 Results Approved By:  
 Lucas Mason, M.S.  
 Lab Director

  
 Results Analyzed By:  
 Joshua Reilly  
 Analyst

THC Content	Pass
CBD Content	Pass
CBD Homogeneity	Not Tested

Received: 10/17/2019 Tested: 10/17/2019 Reported: 10/21/2019

Definitions: LOQ= Limit of Quantitation, ND = Not Detected

*This product has been tested by Aurum Labs using validated testing methodologies (unless specified in this report) and a Quality System as required by state law. Values reported related only to the product tested. Uncertainty information available upon request. Aurum Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, with the written approval of Aurum Labs.*



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Sample: 1910AU0210.15684

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