

CERTIFICATE OF QUALITY ASSURANCE**PRODUCT NAME:** THC-Free Phytocannabinoid-Rich Hemp Oil Tinctures**PRODUCT CODE:** T-NO-1,000mg/1oz-NF-MCT-BULK**LOT NUMBER:** MRV040219T7 (Sales Order# WELA-006-JM-D, Total of 510 g cannabinoids, Total of 14,280 g Oil)**OIL BATCH NUMBER:** CONO19-41**DATE OF MANUFACTURE:** 02Apr2019*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 to Light Yellow	Conforms	QCU002
Cannabinoid Content	95 - 110% of target concentration, THC - Report results	1,000 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 LightPrepared by:  Inspection Control, Folium BiosciencesReviewed 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: CONO19-41

Date of Manufacture: 17Mar2019

Date of Analysis: 18Mar2019

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	85.33	853.34
CBG	<0.03	<0.30
CBN	<0.03	<0.30
THC	ND**	ND**
CBC	<0.03	<0.30
THC-A	ND**	ND**
CBD-A	0.25	2.54
MAX THC	ND**	ND**
MAX CBD	85.56	855.57
TOTAL ACTIVE	85.56	855.57

Residual Solvents*:

	Compliant with USP<467>		Compliant with USP<467>
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-Vetillene	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
α-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***
Pyrethrum	ND***	Spirotetramat	ND***
Spiromesifen	ND***	Bifenazate	ND***
Abamectin	ND***	Permethrin	ND***
Imidacloprid	ND***	Paclobutrazol	ND***

test ID: 0318192M

*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 broad spectrum characteristics remain unchanged.

Batch Release:

Chemist: Sophia Aires

Sophia Aires 19 Mar 2019

Manager: Kathryn Sears

Kathryn Sears 19 Mar 2019

SA 19 Mar 2019