



Folium Biosciences

CERTIFICATE OF QUALITY ASSURANCE

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

PRODUCT CODE: T-NO-1,000mg/1oz-LE-GS-BULK

LOT NUMBER: JP122619T16 (Sales Order# ZOGE-001-DB-3, total of 257.5 g cannabinoids, total 7,140 g oil)

OIL BATCH NUMBER: CONO19-114

DATE OF MANUFACTURE: 26Dec2019

Expiration date is 18 months under sealed conditions.

ACTIVE INGREDIENTS: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Grape Seed Oil, Lemon Oil

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Thin Oil	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Light Yellow to 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 Light

Prepared by: Brendan Roseman Inspection Control, Folium Biosciences

Reviewed by: John B. Borch Fulfillment, Folium Biosciences

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



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CERTIFICATE OF INTERNAL ANALYSIS

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

BATCH No: CONO19-114

Date of Manufacture: 27Sep2019

Date of Analysis: 30Sep2019

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	89.31	893.1
CBG	0.05	0.5
CBN	<0.03	<0.3
THC	<0.03	<0.3
CBC	<0.03	<0.3
THC-A	<0.03	<0.3
CBD-A	0.11	1.1
CBDV	<0.03	<0.3
CBDV-A	0.13	1.3
THCV	<0.03	<0.3
MAX THC	<0.03	<0.3
MAX CBD	89.41	894.1
TOTAL ACTIVE	89.57	895.7

Test ID: 0930192M

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>

Test ID: DA91001018-003 by Kaycha Labs

Heavy Metals:

Cadmium	Compliant with USP<2232>
Lead	Compliant with USP<2232>
Arsenic	Compliant with USP<2232>
Mercury	Compliant with USP<2232>

Test ID: DA91001018-003 by Kaycha Labs

	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**	Flaclobutrazol	ND**

Test ID: DA910 1 18-003 by Kaycha Labs

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

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

Batch Release

Chemist: Lena Johnson

Manager: Christopher Didomenico

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