



Folium Biosciences

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: THC-Free Phytocannabinoid-Rich Hemp Oil

PRODUCT CODE: NO-5kg-BULK

LOT NUMBER: VG073019B2 (Sales Order# STMA-011-JE-1, Total of 5,150 g cannabinoids, Total of 6,043.2 g Oil)

OIL BATCH NUMBER: CONO19-87

DATE OF MANUFACTURE: 12Jun2019

Expiration date is 24 months under sealed conditions.

ACTIVE INGREDIENT: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: N/A

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Viscous Amber Oil Possible Crystal Formation	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Dark Amber	Conforms	QCU002
Dissolution	Not cloudy or turbid, characteristic color	Conforms	QCU002
Cannabinoid Content	80% total Phytocannabinoids, THC - report results	85.22% total Phytocannabinoids, THC Not Detected	QCU001
Microbial Testing	Total Aerobic Count <2000 CFU/g Total Yeast & Mold <200 CFU/g	Conforms	USP<2021>

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: When sampling, manufacturing, or formulating with this oil, the oil MUST first be heated and liquefied at 70-75°C and mixed thoroughly.

Attempting to sample the oil when it is in a semi-solid state will not result in accurate analytical results.

Storage: Room Temperature, Protect from Light

Prepared by: *[Signature]* Inspection Control, Folium Biosciences

Reviewed by: *[Signature]* 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

BATCH No: CONO19-87

Date of Manufacture: 12Jun2019

Date of Analysis: 13Jun2019

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	85.22	852.21
CBG	<0.03	<0.30
CBN	<0.03	<0.30
THC	ND**	ND**
CBC	<0.03	<0.30
THC-A	ND**	ND**
CBD-A	<0.03	<0.30
CBDV	1.14	11.41
CBDV-A	0.06	0.55
THCV	ND**	ND**
MAX THC	ND**	ND**
MAX CBD	85.22	852.21
TOTAL ACTIVE	86.41	864.10

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>

TERPENE RESULTS*:

	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***	Paclitaxel	ND***

Test ID: 0613195A

*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)

Batch Release

Chemist: Zosha McKinney

Zosha McKinney 14 Jun 2019

Manager: Ashley Orosco

Ashley Orosco 17 Jun 2019

COPY

Zml 17 Jun 2019



COLORADO
Department of Agriculture

305 Interlocken Parkway, Broomfield, CO 80021
P 303.869.9050 F 303.466.2860
www.colorado.gov/ag

THIS DOCUMENT IS NOT TRANSFERABLE

Folium Biosciences LLC
615 Wooten Road #110
Colorado Springs, CO 80915

	Issued	Expires
INDUSTRIAL HEMP REGISTRATION - # 74999	August 22, 2018	August 21, 2019
Pursuant to § 35-61-102, C.R.S., the above-named person / business is authorized to act as:		
<i>Indoor Commercial Industrial Hemp Registration</i>		
<i>35,000 Sq. Ft.</i>		

Don Brown
Commissioner of Agriculture

August 22, 2018
Print Date



COLORADO
 Department of Public
 Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

Certificate of Health and Free Sale

December 10, 2018

To Whom It May Concern:

This is to certify that Whole Hemp Company LLC DBA Folium Biosciences, 615 Wooten Road Suite 110, Colorado Springs, Colorado, 80915, is a manufacturer of Manufactured Food products. The following products meet the requirements for human consumption as well as legal distribution and are freely sold in Colorado:

- Soft Gels
- Pills and Capsules
- Tinctures
- Food Supplements
- Beverages
- Bulk oil - THC Non-Detectable
- Water Soluble Powders and Liquids
- Hydro PCR
- Non-detectable THC (Laboratory Results 0.0% Max THC) phytocannabinoid CBD oil and finished food products

Whole Hemp Company LLC DBA Folium Biosciences, as a manufacturer of said products, is subject to the requirements of one or more of the following regulations or statutes:

- The Colorado Revised Statutes, including but not limited to the *Colorado Pure Food and Drug Law*;
- The *Colorado Grade A Pasteurized and Fluid Milk Products*;
- The *Colorado Manufactured Milk & Dairy Products Regulations*; or
- The *Colorado Wholesale Food Regulations Current Good Manufacturing Practice in Manufacturing, Packing or Holding Human Food*.

The Division of Environmental Health & Sustainability of the Colorado Department of Public Health and Environment, State of Colorado is responsible for the enforcement of these regulations. The manufacturer is subject to the jurisdiction of this Department and as of the current date, no violations of the above mentioned regulations requiring legal action have been found.

This certificate covers only currently existing conditions and should not be interpreted as a guarantee, explicit or implied, for all products of the said company at all times in the future; neither should it be used for advertising purposes.

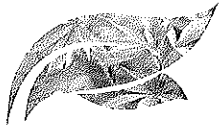
BRIAN YOUNG
 NOTARY PUBLIC
 STATE OF COLORADO
 NOTARY ID 20174039575
 MY COMMISSION EXPIRES SEPTEMBER 21, 2021

Subscribed and affirmed before me in the County of Arapahoe, State of Colorado, this 10th day of December, 2018.

Notary Public Signature

Marykate Franks
 Environmental Protection Specialist
 Division of Environmental Health & Sustainability





Folium Biosciences

Quality Is Important To Us!

Thank you for your business! We want you to be satisfied with your order and we look forward to your feedback

Accurate Testing Results from Qualified Labs

We have qualified two labs for accurate analysis of PCR (phytocannabinoid-rich) hemp oil. The qualification has involved discussion on sample constituents, handling, sampling, and testing protocol to ensure that the results are reliable. These laboratories have reported comparable cannabinoid values, and are consistent with tests conducted at Folium Biosciences. Therefore, we recommend these neutral labs for testing our samples. When sending your product to these labs, be sure to emphasize that you have sourced your product from Folium Biosciences.

(1) Botanacor*

1001 Galapagos St, Suite B

Denver, CO 80223

Phone: 303-909-1563

Sales Representative: Del Kaiser, delk@botanacor.com

*please note, this is a CO local lab that must pick up samples by their courier.

(2) iLab (Innovational Laboratories)

5555 W. Brooks St.

Montclair, CA 91763

Phone: 909-230-6210

Sales Representative: Guy Weerasekera, GuyW@innovational.com

An Important Note for Other External Labs

- The THC-Free hemp oil samples are extremely rich in CBD and free from THC. They tend to solidify at room temperature and therefore, should be heated at 70°C for 2 hours with intermittent homogenization for a true representative sample.
- Ideally, a THC-free sample preparation approach and dedicated THC-free equipment should be used to reduce carryover, which may lead to a false positive identification of THC.

Returns

If you believe there has been a mistake, please contact our Quality Assurance Coordinator, Kimberly Zick, kimberly.zick@foliumbiosciences.com to further discuss. If you fail to notify Folium Biosciences within 30 days from delivery date, we will be unable to accept your return. In order to return, we will need the entire product, not used or tampered with, along with the Certificate of Analysis for the order. You will be responsible for return shipping costs unless otherwise specified.

Damaged Package?

For any shipments that have been damaged, we ask that you take pictures to document the package condition and its contents immediately. Email the documentation to:

Amanda Proud, Senior Fulfillment Manager

Office: 719-574-2159 x257

Email: amanda.proud@foliumbiosciences.com



