



Folium Biosciences

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: HydroPCR

PRODUCT CODE: HPCR-NO-4%-BULK

LOT NUMBER: JM071019HY1 (Sales Order# KNNL-001-SN-1, 700 g cannabinoids, total of 17,412.9 g HydroPCR solution)

OIL BATCH NUMBER: COHPCR19-28

DATE OF MANUFACTURE: 08May2019

Expiration date is 18 months under sealed conditions.

ACTIVE INGREDIENT: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Quillaja Extract, Glycerin

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Brown Liquid	Conforms	QCU002
Color	Light Brown	Conforms	QCU002
Cannabinoid Content	4.0% Phytocannabinoids (± relative 7.5%) THC Not Detected	4.02 % 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

Storage: Room Temperature (not above 77 F), Protected from Heat, Protect from Light

Prepared by: Jessie Munoz Inspection Control, Folium Biosciences

Reviewed by: Joshua O Beach Fulfillment, Folium Biosciences

CERTIFICATE OF INTERNAL ANALYSIS
TYPE: Hydro-PCR Nanoemulsion

BATCH No: COHPCR19-28

Date of Manufacture: 08May2019

Date of Analysis: 16May2019

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	4.02	40.17
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	0.05	0.54
THCV	ND**	ND**
MAX THC	ND**	ND**
MAX CBD	4.02	40.17
TOTAL ACTIVE	4.07	40.71

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	< 0.1	Camphene	< 0.1
β -Farnesene	< 0.1	E-Farnesene	< 0.1
Guaiol	< 0.1	Farnesol	< 0.1
β -Maaliene	< 0.1	α -Bisabolol	< 0.1
Calarene	< 0.1	P-Cymene	< 0.1
β -Caryophyllene	< 0.1	Linalool	< 0.1
α -Humulene	< 0.1	Myrcene	< 0.1
Cadinene	< 0.1	Phytol	< 0.1
α -Gurjunene	< 0.1	Isopulegol	< 0.1
d-Limonene	< 0.1	Terpinene	< 0.1
Nerolidol	< 0.1	Geraniol	< 0.1
α -Pinene	< 0.1	Myrcene	< 0.1
Aristolene	< 0.1	γ -Terpinene	< 0.1
Eucalyptol	< 0.1	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: 0516195A

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

** ND = Not Detected using a validated high-performance liquid chromatography test method, LOD = 0.03%

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

Batch Release:

Chemist: Sophia Aires

Manager: Ashley Orosco

 SA 08MAY2019
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Folium Biosciences

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: THC-Free Phytocannabinoid-Rich Water Soluble Powder

PRODUCT CODE: WSP-NO-20%-BULK

LOT NUMBER: VG070919WSP1 (Sales Order# KNNL-001-SN-2, 700 g cannabinoids, Total of 3,323.8 g Water Soluble Powder)

BATCH NUMBER: COWSPA19-28

DATE OF MANUFACTURE: 12May2019

Expiration date is 18 months under sealed conditions.

ACTIVE INGREDIENTS: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Dextrin, Acacia Gum, Sunflower Lecithin, Vitamin E.

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Amorphous powder	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Pale yellow to beige	Conforms	QCU002
Dissolution	Completely dissolves within timely manner	Conforms	QCU002
Cannabinoid Content	20% total Phytocannabinoids (2% Tolerance), THC Not Detected	21.06% total Phytocannabinoids, 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

Recommended Uses: This product is intended for dissolution immediately before consumption, and not for creating shelf stable beverages. Maximum recommended solubility is 100 mg/fl oz for liquid formulations. For dissolution in water, dissolve powder into warm water and mix under sterilized conditions. For solid products, mix an appropriate amount until desired potency is reached. Qualify storage temperature and preservatives (if needed) for the liquid and solid products, separately. Although Water-Soluble Powder is stable in its pure, anhydrous form and suitable for use in slurries, pastes, thick liquids, and solid finished products. It should only be mixed with other ingredients under sterilized manufacturing conditions and the finished product tested to ensure homogeneity and shelf life.

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

Prepared by: Gabrielle Omeal Inspection Control, Folium Biosciences

Reviewed by: Joshua D. Beach Fulfillment, Folium Biosciences

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

DISCLAIMER

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

Distributor acknowledges that Manufacturer makes no representations, warranties and/or guaranties that any and all of the products, or their derivatives, we sell can be exported from the United States of America and/or its territories, lawfully imported into a certain region and/or lawfully marketed, possessed, held, transported, sold and/or distributed into any area that the Purchaser, herein, desires. It is understood and acknowledged that Manufacturer is not and has not provided legal, shipping, import, export, duty or customs advice or representations to Purchaser as to said product, nor as to the industry at large, issues of shipping and handling, marketing, advertising, labeling, possession and sale. Purchaser, as part of its own business model, is to retain the services of its own legal representatives and authorities as to the permissibility's of its own cannabinoid business and the "do's" and "don'ts".

The Parties further agree that Purchaser has already conducted it's own due diligence and is satisfied with the Manufacturer's product ingredients. Purchaser hereby agrees and holds Manufacturer harmless from any and all claims, actions, or adverse matters arising from Purchaser's use of Manufacturer's ingredients within its own formulations, own finished goods, Purchaser's own finished products that Purchaser puts into the market-place. Purchaser hereby releases and indemnifies Manufacturer from any Product Liability claims, claims for breach of "fitness" or "warranty"

Purchaser acknowledges that Manufacturer has no control over the product or order(s) once the shipper takes possession of said order(s), or the ordered products leave the Manufacture's premise. AS A RESULT, PURCHASER ACKNOWLEDGES THAT AS OF THE MOMENT THE ORDER IS NO LONGER WITHIN THE POSSESSION AND CONTROL OF MANUFACTURER, MANUFACTURER IS NO LONGER RESPONSIBLE FOR THE ORDER OR THE ORDER'S MERCHANTABILITY, FITNESS, OR FOR ANY INTENDED PURPOSE. It is recommended that Purchaser obtain insurance covering said products.



CERTIFICATE OF INTERNAL ANALYSIS

TYPE: Phytocannabinoid-Rich Water Soluble Powder

BATCH No: COWSPA19-28

Date of Manufacture: 12May2019

Date of Analysis: 20May2019

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	21.06	210.62
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	0.23	2.32
THCV	ND**	ND**
MAX THC	ND**	ND**
MAX CBD	21.06	210.62
TOTAL ACTIVE	21.29	212.95

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>

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Mercury	Compliant with USP<233>

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β -Caryophyllene	< 0.1	Linalool	< 0.1
α -Humulene	< 0.1	Myrcene	< 0.1
Cadinene	< 0.1	Phytol	< 0.1
α -Gurjunene	< 0.1	Isopulegol	< 0.1
d-Limonene	< 0.1	Terpinene	< 0.1
Nerolidol	< 0.1	Geraniol	< 0.1
α -Pinene	< 0.1	Myrcene	< 0.1
Aristolene	< 0.1	γ -Terpinene	< 0.1
Eucalyptol	< 0.1	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: 052019SA

*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: Lena Johnson

Manager: Ashley Orosco

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CS 21 May 2019