



CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: Broad Spectrum CBD Oil (0.0% THC) HydroPCR

PRODUCT CODE: HPCR-NO-4%-BULK

LOT NUMBER:

JM072619HY1(Sales Order# TIOR-003-JMC-13 250 g Active, total of 6,157.6 g HydroPCR solution)

OIL BATCH NUMBER: COHPCR19-27

DATE OF MANUFACTURE: 08May2019

Expiration date is 24 months under sealed conditions.

ACTIVE INGREDIENT: Broad Spectrum CBD Oil (0.0% THC)

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% CBD (\pm relative 7.5%) 0.0% THC	4.06% total CBD 0.0% THC	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: *Johanna D. Sanchez* Date: 20 Jul 2020

Inspection Control, Folium Biosciences

Reviewed by: *James M. Min* Date: 20 Jul 2020

Inspection Control, Folium Biosciences

CERTIFICATE OF INTERNAL ANALYSIS

TYPE: Hydro-PCR Nanoemulsion
BATCH No: COHPCR19-27
Date of Manufacture: 08May2019
Date of Analysis: 10May2019

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	4.06	40.57
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	0.53
THCV	ND**	ND**
MAX THC	ND**	ND**
MAX CBD	4.06	40.57
TOTAL ACTIVE	4.11	41.11

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***	Paclbutrazol	ND***

Test ID: 051019ZM

*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: Lena Johnson

Manager: Ashley Orosco



13 May 2019
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