

## Lab Report

Product: CBD Hydro Tincture - 250mg  
 Lot Number: 0319-18  
 Date of Manufacture: April 22nd, 2019  
 Type: THC-Free Phytocannabinoid-Rich Hemp Oil



Potency Results:		
Cannabinoid	Wt % per g	(mg/dropper)
CBD	4.26	8.29
CBG	<0.03	<0.03
CBN	<0.03	<0.03
THC	ND**	ND**
CBC	<0.03	<0.03
THC-A	ND**	ND**
CBD-A	<0.03	<0.03
MAX THC	ND**	ND**
MAX CBD	4.26	8.29
Total Active	4.26	8.29

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-Cartophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Mycene	< 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	d-3-Carnene	< 0.1

Residual Solvents*:	
Propane	Compliant with UPS <467>
Isobutane	Compliant with UPS <467>
Butane	Compliant with UPS <467>
Ethanol	Compliant with UPS <467>
Pentane	Compliant with UPS <467>
Isopropanol	Compliant with UPS <467>
Hexane	Compliant with UPS <467>
Acetone	Compliant with UPS <467>

Pesticides*:			
Acequinocyl	ND***	Spinosad	ND***
Pyrrhrium	ND***	Spirotetramat	ND***
Spiromesifen	ND***	Bifenazate	ND***
Abamectin	ND***	Fenoxycarb	ND***
Imidacloprid	ND***	Paclobutrazol	ND***

Test ID: 121418ZM

\*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 third party lab, ND = Not Detected at the Reporting Limit (RL)

**Batch Release:**

Chemist: Erin Jordan

*Erin Jordan* 2/16/2019

Manager: Ashley Orocco

*Ashley Orocco* 2/16/2019

2/16/2019  
**COPY**

Mycotoxin			
Analyte	Method	Action Level (ppb)	Results (ppb)
Aflatoxin B1	LC-MS - Shimadzu LCMS-8060	20.000	ND
Aflatoxin B2	LC-MS - Shimadzu LCMS-8060	20.000	ND
Aflatoxin G1	LC-MS - Shimadzu LCMS-8060	20.000	ND
Aflatoxin G2	LC-MS - Shimadzu LCMS-8060	20.000	ND
Ochratoxin A	LC-MS - Shimadzu LCMS-8060	20.000	ND



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*Dylan Swart*  
 Dylan Swart, Lab Director

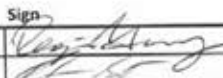



# Certificate of Quality Assurance

I. General Information			
<b>Description:</b>	250mg Hydro phytocannabinoid-rich thin amber hemp	Spec Rev:	01
<b>Serving Size:</b>	1 mL	Bulk Item Code:	7022
<b>Fill Count:</b>	30mL	Daily Serving (ml):	1 mL

II. Test Report				
	Attribute	Spec Range	Result	Method
<b>Physical</b>	Appearance	Viscous	Pass	SOP 03.016.0
		Amber Oil		1 SOP
	Taste	Sharp Spicy Flavor	Pass	03.016.0
Odor		Characteristi c	Pass	03.016.0
<b>Heavy Metals</b>	Pb (Lead)	NMT 10mcg/day	0.035	ICP-MS
	Hg (Methylmercu	NMT 2mcg/day	<0.001	ICP-MS
	Cd (Cadmium)	NMT 5mcg/day	0.001	ICP-MS
	As (Inorganic Arsenic)	NMT 15mcg/day	<0.094	ICP-MS
<b>Micro</b>	Total Plate Count	<1000 cfu/g	<10	USP <2021>
	Yeast & Mold	<100 cfu/g	<10/<10	USP <2021>
	Total Coliforms	<100 cfu/g	<10	AOAC 991.14
	E. coli	<10 cfu/g	<10	AOAC 991.14
	Salmonella	Negative in 25g	Negative	USP <2022>

### III. COA Approval

Name	Title	Sign	Date
Prepared By: REGINA HARVEY	QC TECH		04-22-19
Approved By: Robert Best	QC Manager		04-22-19

### IV. Other Test Results

**ACTIVE INGREDIENTS:** THC-Free Phytocannabinoid-Rich HydroPCR-Based Tinctures

**INACTIVE INGREDIENTS:** Quillaga Extract, Glycerin

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Translucent Syrup	Conforms	QCU002
Color	Orange	Conforms	QCU002
Cannabinoid Content	Phytocannabinoid per 1oz 95-110% of target concentration. THC - report Results	250mg total Phytocannabinoid per 1oz. THC not detected	QCU002

Package	Acceptance Criteria	Results
Primary Package	Container decusted 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 assue an oil density of 1.21g/mL. Therefore, to fill 1oz tinctures, we recommended filling them to 36.6 grams in order to ensure dosing. The density can be used to calculate the fill weight for other package sizes.

**Storage:** Room Temperature, Protect from light ans heat. DO NOT FREEZE!