

## Lab Report

Product: CBD Softgels - 25mg, 30ct

Lot Number: 0219-02

Type: THC-Free Phytocannabinoid-Rich Hemp Oil



### POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	4.12	41.25
CBG	ND**	ND**
CBN	ND**	ND**
THC	ND**	ND**
CBC	ND**	ND**
THC-A	ND**	ND**
CBD-A	ND**	ND**
MAX THC	ND**	ND**
MAX CBD	4.12	41.25
TOTAL ACTIVE	4.12	41.25

### 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	0.1-0.1
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

### 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>

### Pesticides\*:

Acequinocyl	ND***	Spinosad	ND***
Pyrethrium	ND***	Spirotetramat	ND***
Spiromesifen	ND***	Bifenazate	ND***
Abamectin	ND***	Fenoxycarb	ND***
Imidacloprid	ND***	Paclobutrazol	ND***

Test ID: 122618KP

\* 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: Kelly Pilkington

Manager: Ashley Orosco

*Handwritten signatures and dates*

27 Dec 2018

27 Dec 2018

# Certificate of Quality Assurance

I. General Information		Lot # 0219-02			
<b>Description:</b>	Red hemp oil softgels	<b>Spec Rev:</b>			
<b>Serving Size:</b>	1 softgel	<b>Bulk Item Code:</b>	3001		
<b>Fill Count:</b>	30 softgels	<b>Daily Serving (ml):</b>	1 softgel		
II. Test Report					
	Attribute	Spec Range	Result	Method	
Physical	Appearance	Red softgel filled with hemp oil	Pass	SOP 03.020.01	
	Heavy Metals	Pb	NMT 10 mcg/day	0.004	ICP-MS
		Methylmercury as Hg	NMT 2 mcg/day	0.015	ICP-MS
		Cd	NMT 5 mcg/day	<0.001	ICP-MS
Micro	As (Inorganic)	NMT 15 mcg/day	<0.025	ICP-MS	
	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 25 g	Negative	Modified AOAC 998.09	

#### IV. COA Approval

Date:	Prepared By:	Title:
3/11/2019	<i>Robert Bost</i>	Quality Control Manager

**ACTIVE INGREDIENTS:** THC-Free Phytocannabinoid-Rich Hemp Oil

**INACTIVE INGREDIENTS:** Polysorbate Emulsifiers, Medium Chain Triglycerides (MCT oil), Beta Caryophyllene. **Gelatin Shell:** Bovine-derived Gelatin, Glycerin, Sorbitol and Water (coloring: Red 40, Red 3, Yellow 5, Yellow 6, Blue 1, and Blue 2 added to 25mg softgel capsules)

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Oval soft gelatin capsule	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Amber	Conforms	QCU002
Cannabinoid Content	25 mg total Phytocannabinoids per Soft Gel, (95 - 110% of target concentration), THC Not Detected	25.07 mg total Phytocannabinoids per Soft Gel, 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