

## Lab Report

Product: CBD Softgels - 10mg, 30ct

Lot Number: 0119-26

Type: THC-Free Phytocannabinoid-Rich Hemp Oil



### POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	1.62	16.21
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	1.62	16.21
TOTAL ACTIVE	1.62	16.21

### TERPENE RESULTS\*:

	Wt. (%)		Wt. (%)
$\beta$ -Bisabolene	1.0-3.0	Camphene	0.1-0.2
$\beta$ -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Guaïol	0.5-2.0	Farnesol	0.1-0.1
$\beta$ -Maaliene	0.5-2.0	$\alpha$ -Bisabolol	< 0.1
Calarene	0.5-1.5	P-Cymene	< 0.1
$\beta$ -Caryophyllene	0.1-1.0	Linalool	< 0.1
$\alpha$ -Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
$\alpha$ -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
$\alpha$ -Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	$\gamma$ -Terpinene	< 0.1
Eucalyptol	0.1-0.2	$\delta$ -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***	Paclbutrazol	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 a third party lab, ND = Not Detected at the Reporting Limit (RL)

### Batch Release:

Chemist: Sophia Alires

Manager: Kathryn Sears

*Sophia Alires* 17DEC2018

*Kathryn Sears* 17DEC 2018

# Certificate of Quality Assurance

I. General Information		Lot # 0119-26		
<b>Description:</b>	Yellow hemp oil softgels	<b>Spec Rev:</b>		
<b>Serving Size:</b>	1 softgel	<b>Bulk Item Code:</b>	3004	
<b>Fill Count:</b>	30 softgels	<b>Daily Serving (ml):</b>	1 softgel	
II. Test Report				
	Attribute	Spec Range	Result	Method
		Yellow softgel filled with		
<b>Physical</b>	Appearance	hemp oil	Pass	SOP 03.020.01
<b>Heavy Metals</b>	Pb	NMT 10 mcg/day	0.002	ICP-MS
	Methylmercury as Hg	NMT 2 mcg/day	<0.006	ICP-MS
	Cd	NMT 5 mcg/day	<0.001	ICP-MS
	As (Inorganic)	NMT 15 mcg/day	<0.025	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 25 g	Negative	Modified AOAC 998.09

#### IV. COA Approval

Date:	Prepared By:	Title:
3/11/2019	<i>Robert East</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

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Oval soft gelatin capsule	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Light Yellow	Conforms	QCU002
Cannabinoid Content <sup>1</sup>	10 mg total Phytocannabinoids per Soft Gel, (95 - 110% of target concentration), THC Not Detected	9.8 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