

Certificate of Analysis

Product: CBD Softgels - 25mg, 90ct
 Lot Number: 0219-03
 Date of Manufacture: Dec 27th 2018
 Type: THC-Free Phytocannabinoid-Rich Hemp Oil



POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	4.15	41.35
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	4.15	41.35
TOTAL ACTIVE	4.15	41.35

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***
Pyrethrum	ND***	Spirotetramat	ND***
Spiromesifen	ND***	Bifenazate	ND***
Abamectin	ND***	Fenoxycarb	ND***
Imidacloprid	ND***	Paclbutrazol	ND***

Test ID: 122818KP

*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

Sophia Alires 28Dec2018

Manager: Ashley Orosco

Ashley Orosco 29Dec2018

Certificate of Quality Assurance

I. General Information		Lot #	0219-03	
Description:	Red hemp oil softgels	Spec Rev:	1	
Serving Size:	1 softgel	Bulk Item Code:	3002	
Fill Count:	90 softgels	Daily Serving (ml):	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
	Arsenic	NMT 15 mcg/day	0.007	ICP-MS
	Methylmercury as Hg	NMT 2 mcg/day	<0.001	ICP-MS
	Cd	NMT 5 mcg/day	<0.001	ICP-MS
Micro	Total Plate Count	< 1000 cfu/ g	<10	USP <2021>
	Yeast & Mold	<100 cfu/g	<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

DATE OF MANUFACTURE: 27Dec2018

Expiration date is 18 months under sealed conditions at room temperature.

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	25.52 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

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