



CV SCIENCES™

A LIFE SCIENCE COMPANY

Certificate of Analysis

October 19, 2016

Sample ID: FP-16-909

Description: Vitalpax unflavored 500mg 2oz spray WL

Batch/Lot#: 6276314

<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	497.12	HPLC	VK
CBDV	14.27	HPLC	VK
CBDA	9.92	HPLC	VK
CBG	5.33	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	0.00	HPLC	VK
CBN	0.00	HPLC	VK
Δ^9 -THC	8.29	HPLC	VK
THCA	0.00	HPLC	VK

Total cannabinoids: 534.9 mg

Sample size: 69 g

THC by mass: 0.0120 %

19 Oct 2016

Analyst

Date

19 Oct 2016

Reviewed By

Date

Vandana Kothari, M.S., B.Pharm.

Analytical Chemist

Andrew Pham, M.A., B.S.

Lead Scientist

Certificate of Analysis

Sample Name: 2 oz 500mg Unflavored WL Lot 6276314 (FP-16-909)
Tested for: CV Sciences **Sample Type:** Infused
Sample ID: 161019X002 **Total Sample Wt:** 69.0000 Grams
Date Tested: 10/24/2016

Potency Test Results

Full spectrum cannabinoid profiling and analysis utilizing High Performance Liquid Chromatography (HPLC/UV)

Cannabinoid Summary

Total THC	Δ9THC+THCa	17.49 mg
Total CBD	CBD+CBDA	517.39 mg
Total CBN	Total CBN	3.17 mg

Full Cannabinoid Profile

Tetrahydrocannabinol	Δ9THC	0.25 mg/g
Tetrahydrocannabinolic Acid	THCa	0 mg/g
Cannabidiol	CBD	7.44 mg/g
Cannabidiolic Acid	CBDA	0.06 mg/g
Cannabinol	CBN	0.05 mg/g

Total Active Cannabinoids: 7.8 mg/g

Pesticide Test Results

HPLC-Mass Spectrometry for 12 compounds including pesticides, fungicides, and plant growth regulators

Acequinocyl	Not Detected	Bifenazate	Not Detected
Pyrethrum	Not Detected	Daminozide	Not Detected
Spirotetramat	Not Detected	Fenoxycarb	Not Detected
Paclobotrazol	Not Detected	Spiromesifen	Not Detected
Spinosad	Not Detected	Abamectin	Not Detected
Imidacloprid	Not Detected	Myclobutanil	Not Detected

Microbiological Test Results

3M Petrifilm and plate counts for microbiological contamination

Total Yeast and Mold	<1,000 cfu/g	E coli	ND
Pseudomonas	ND	Coliforms	<100 cfu/g
Total Aerobic Plate Count	<1,000 cfu/g	Salmonella	ND

Terpene Test Results

Screening and profiling for 34 terpenes found in Cannabis utilizing Gas Chromatography - Flame Ionization Detection (GC-FID)

	mg/g / %		mg/g / %
α Pinene	N/A	Myrcene	N/A
α Phellandrene	N/A	3 Carene	N/A
α Terpinene	N/A	Limonene	N/A
Terpinolene	N/A	Linalool	N/A
Fenchol	N/A	Borneol	N/A
Terpineol	N/A	Geraniol	N/A
α Humulene	N/A	β Caryophyllene	N/A
Caryophyllene Oxide	N/A	α Bisabolol	N/A
Camphene	N/A	β Pinene	N/A
Ocimene	N/A	Sabinene	N/A
Camphor	N/A	Isoborneol	N/A
Menthol	N/A	α Cedrene	N/A
Nerolidol	N/A	R-(+)-Pulegone	N/A
Eucalyptol	N/A	p-Cymene	N/A
(-)-Isopulegol	N/A	Geranyl Acetate	N/A
Guaiol	N/A	Valencene	N/A
Phytol	N/A	Citronellol	N/A

Total Terpene Concentration N/A

Residual Solvent Test Results

Headspace-Gas Chromatography for alkane and alcohol extractions

Propane	N/A	Ethanol	N/A
Methanol	N/A	Isopropanol	N/A
Isobutane	N/A	Mercaptan	N/A
2,2-Dimethylbutane	N/A	2-Methylpentane	N/A
3-Methylpentane	N/A	Cyclohexane + Benzene	N/A
Isopentane	N/A	Neopentane	N/A
n Butane	N/A	n Heptane	N/A
n Hexane	N/A	n Pentane	N/A

Sample Certification



Scan to verify at sclabs.com

This sample has been tested by SC Labs and the results are valid until the expiration date shown.

Josh Wurzer
 Josh Wurzer, President