

# Certificate of Analysis

**Sample Name:** Pure Ratios 50 mg Vape

**Tested for:** Pure Ratios

**Sample ID:** 160316P003

**Date Tested:** 03/18/2016

**Sample Type:** Oil

**Total Sample Wt:** 0.5000 Grams

## Potency Test Results

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

### Cannabinoid Summary

**Total THC**  $\Delta^9$ THC+THCa 0 mg

**Total CBD** CBD+CBDA 57.34 mg

**Total CBN** Total CBN 0 mg

### Full Cannabinoid Profile

Tetrahydrocannabinol  $\Delta^9$ THC 0 mg/g

Tetrahydrocannabinolic Acid THCa 0 mg/g

Cannabidiol CBD 114.68 mg/g

Cannabidiolic Acid CBDA 0 mg/g

Cannabinol CBN 0 mg/g

**Total Active Cannabinoids:** 114.68 mg/g

## Terpene Test Results

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

	mg/g / %		mg/g / %
$\alpha$ Bisabolol	0.00 / 0.000	$\alpha$ Terpinene	0.00 / 0.000
$\alpha$ Pinene	1.97 / 0.197	Linalool	0.18 / 0.018
3 Carene	0.06 / 0.006	Limonene	0.07 / 0.007
Borneol	0.00 / 0.000	Myrcene	0.11 / 0.011
$\beta$ Caryophyllene	0.73 / 0.073	Fenchol	0.04 / 0.004
Geraniol	0.15 / 0.015	$\alpha$ Phellandrene	0.00 / 0.000
$\alpha$ Humulene	0.12 / 0.012	Caryophyllene Oxide	0.21 / 0.021
Terpinolene	0.00 / 0.000	Terpineol	0.00 / 0.000
Valencene	0.00 / 0.000	$\beta$ Pinene	0.34 / 0.034
Menthol	0.00 / 0.000	R-(+)-Pulegone	0.00 / 0.000
Nerolidol	0.00 / 0.000	Geranyl Acetate	0.23 / 0.023
Camphene	0.10 / 0.010	Citronellol	0.00 / 0.000
Eucalyptol	1.83 / 0.183	p-Cymene	0.00 / 0.000
$\alpha$ Cedrene	0.00 / 0.000	Ocimene	0.00 / 0.000
Camphor	0.00 / 0.000	Guaiol	0.90 / 0.090
(-)-Isopulegol	0.00 / 0.000	Phytol	0.07 / 0.007
Sabinene	0.00 / 0.000	Isoborneol	0.00 / 0.000

**Total Terpene Concentration** 7.10 mg/g / 0.710 %

## 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
Paclbutrazol	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

## 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