

# Certificate of Analysis

**Sample Name:** CBD Full Profile #1

**Tested for:** Santa Cruz CBD

**Sample ID:** 160407W002

**Date Tested:** 04/13/2016

**Sample Type:** Concentrate

**Total Sample Wt:** 1 Gram

## Potency Test Results

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

### Cannabinoid Summary

<b>Total THC</b>	Δ9THC+THCa	0.25 %
Total Potential Δ9THC	2.5 mg/g	0.25 %
<b>Total CBD</b>	CBD+CBDA	91.98 %
Total Potential CBD	919.8 mg/g	91.98 %
<b>Total CBN</b>	Total CBN	0 %

### Full Cannabinoid Profile

Tetrahydrocannabinol	Δ9THC	0.25 %
Tetrahydrocannabinolic Acid	THCa	0 %
Cannabidiol	CBD	91.98 %
Cannabidiolic Acid	CBDA	0 %
Cannabinol	CBN	0 %

**Total Active Cannabinoids:** 92.23 %

## Pesticide Test Results

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

Acequinocyl	N/A	Imidacloprid	N/A
Pyrethrum	N/A	Spinosad	N/A
Spiromesifen	N/A	Spirotetramat	N/A
Abamectin	N/A	Bifenazate	N/A
Daminozide	N/A	Fenoxycarb	N/A
Myclobutanil	N/A	Paclobutrazol	N/A

## Microbiological Test Results

3M Petrifilm and plate counts for microbiological contamination

Total Aerobic Plate Count	N/A	Total Yeast and Mold	N/A
Coliforms	N/A	E coli	N/A
Salmonella	N/A	Pseudomonas	N/A

## 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 Bisabolol	0.00 / 0.000	α Terpinene	0.00 / 0.000
α Pinene	0.66 / 0.066	Linalool	0.00 / 0.000
3 Carene	0.11 / 0.011	Limonene	0.38 / 0.038
Borneol	0.10 / 0.010	Myrcene	3.43 / 0.343
β Caryophyllene	3.86 / 0.386	Fenchol	0.00 / 0.000
Geraniol	0.00 / 0.000	α Phellandrene	0.05 / 0.005
α Humulene	1.34 / 0.134	Caryophyllene Oxide	0.78 / 0.078
Terpinolene	3.00 / 0.300	Terpineol	0.00 / 0.000
Valencene	0.29 / 0.029	β Pinene	0.43 / 0.043
Menthol	0.00 / 0.000	R-(+)-Pulegone	0.00 / 0.000
Nerolidol	0.14 / 0.014	Geranyl Acetate	0.00 / 0.000
Camphene	0.00 / 0.000	Citronellol	0.00 / 0.000
Eucalyptol	0.00 / 0.000	p-Cymene	0.00 / 0.000
α Cedrene	0.00 / 0.000	Ocimene	0.06 / 0.006
Camphor	0.00 / 0.000	Guaiol	0.00 / 0.000
(-)-Isopulegol	0.00 / 0.000	Phytol	0.21 / 0.021
Sabinene	0.00 / 0.000	Isoborneol	0.00 / 0.000

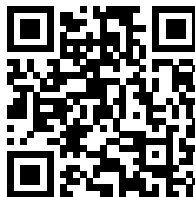
**Total Terpene Concentration** 14.84 mg/g / 1.484 %

## 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