

Certificate of Analysis

Sample Name: Isolate [REDACTED]
Tested for: [REDACTED]
Sample ID: [REDACTED]
Date Tested: 3/31/2017

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

Total THC	Δ9THC+THCa	0 %
Total Potential Δ9THC	0 mg/g	0.00 %
Total CBD	CBD+CBDA	99.12 %
Total Potential CBD	991.2 mg/g	99.12 %
Total CBN	Total CBN	0 %

Full Cannabinoid Profile

Tetrahydrocannabinol	Δ9THC	0 %
Tetrahydrocannabinolic Acid	THCa	0 %
Cannabidiol	CBD	99.12 %
Cannabidiolic Acid	CBDA	0 %
Cannabinol	CBN	0 %

Total Active Cannabinoids: 99.12 %

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
Paclotubrazol	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 & 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	0.00 / 0.000	Mvrcene	0.00 / 0.000
α Phellandrene	0.00 / 0.000	3 Carene	0.00 / 0.000
α Terpinene	0.00 / 0.000	Limonene	0.00 / 0.000
Terpinolene	0.00 / 0.000	Linalool	0.00 / 0.000
Fenchol	0.00 / 0.000	Borneol	0.00 / 0.000
Terpineol	0.00 / 0.000	Geraniol	0.00 / 0.000
α Humulene	0.00 / 0.000	β Caryophyllene	0.00 / 0.000
Caryophyllene Oxide	0.00 / 0.000	α Bisabolol	0.00 / 0.000
Camphene	0.00 / 0.000	β Pinene	0.00 / 0.000
Ocimene	0.00 / 0.000	Sabinene	0.00 / 0.000
Camphor	0.00 / 0.000	Isoborneol	0.00 / 0.000
Menthol	0.00 / 0.000	α Cedrene	0.00 / 0.000
Nerolidol	0.00 / 0.000	R-(+)-Pulegone	0.00 / 0.000
Eucalyptol	0.00 / 0.000	p-Cymene	0.00 / 0.000
(-)-Isopulegol	0.00 / 0.000	Geranyl Acetate	0.00 / 0.000
Guaiol	0.00 / 0.000	Valencene	0.00 / 0.000
Phvtol	0.00 / 0.000	Citronellol	0.00 / 0.000

Total Terpene Concentration mg/g / 0.000 %

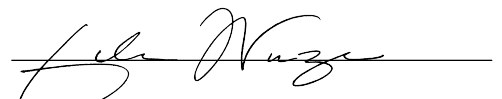
Residual Solvent Test Results

Headspace-Gas Chromatography for alkane and alcohol extractions

Neopentane	ND	Isopentane	ND
Ethanol	ND	Isobutane	ND
n Pentane	ND	Cyclohexane + Benzene	ND
n Butane	ND	2-Methylpentane	ND
Propane	ND	Methanol	ND
n Heptane	305 ppm	n Hexane	ND
2,2-Dimethylbutane	ND	3-Methylpentane	ND
Mercaptan	ND	Isopropanol	ND

Sample Certification

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



Josh Wurzer, President