



# CERTIFICATE OF ANALYSIS



**Customer:** Balanced Health Botanicals

**Collection Date:** 05/14/2019  
**Order Date:** 05/14/2019  
**Report Date:** 05/21/2019  
**Order #**700566  
**Batch #** 011907112

**Initial Weight:** 4056.00/mg  
**Specimen Weight:** 80.09/mg  
**Specimen Type:** Extract  
**Extracted From:** Industrial Hemp  
**Description:** 1000mg/30mL Pure CBD Oil (THC Free) Tincture

## Potency

(HPLC)

Analyte	mg/g	%	Analyte	mg/g	%	Analyte	mg/g	%
CBC	0	ND	CBCA	0	ND	CBD	38.5000	3.8500
CBDA	0	ND	CBDV	0	ND	CBDVA	0	ND
CBG	0	ND	CBGA	0	ND	CBL	0	ND
CBN	0	ND	CBNA	0	ND	Delta-8-THC	0	ND
Delta-9-THC	0	ND	THCA-A	0	ND	THCV	0	ND
THCVA	0	ND	Total CBD	38.5000	3.8500	Total THC	0	ND

## Pesticides

(LCMS/MS)

Analyte	ppm	Analyte	ppm	Analyte	ppm
Abamectin	ND	Acephate	ND	Acequinocyl	ND
Acetamiprid	ND	Aldicarb	ND	Azoxystrobin	ND
Bifenazate	ND	Bifenthrin	ND	Boscalid	ND
Carbaryl	ND	Carbofuran	ND	Chlorantraniliprole	ND
Chlorpyrifos	ND	Clofentezine	ND	Cypermethrin	ND
Daminozide	ND	Diazinon	ND	Dichlorvos	ND
Dimethoate	ND	Ethoprophos	ND	Etofenprox	ND
Etoxazole	ND	Fenoxycarb	ND	Fipronil	ND
Flonicamid	ND	Fludioxonil	ND	Hexythiazox	ND
Imazalil	ND	Imidacloprid	ND	Kresoxim Methyl	ND
Malathion A	ND	Metalaxyl	ND	Methiocarb	ND
Methomyl	ND	MGK-264	ND	Myclobutanil	ND
Naled	ND	Oxamyl	ND	Paclbutrazol	ND
Parathion-methyl	ND	Permethrin	ND	Phosmet	ND
Piperonylbutoxide	ND	Prallethrin	ND	Propiconazole	ND
Propoxur	ND	Pyrethrins	ND	Pyridaben	ND
Spinosyn A	ND	Spinosyn D	ND	Spiromesifen	ND
Spirotetramat	ND	Spiroxamine	ND	Tebuconazole	ND
Thiacloprid	ND	Thiamethoxam	ND	Trifloxystrobin	ND

Thomas Farrell, MD  
Lab Director

\* Total CBD = CBD + (CBD-A \* 0.877). Total THC = THCA-A \* 0.877 + Delta 9 THC. T-Caryophyllene = Trans-Caryophyllene, ND = Not Detected, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (cfu) = Colony Forming Unit, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram.

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### Residual Solvents

(GC/GCMS)

Analyte	ppm	Analyte	ppm	Analyte	ppm
Acetone	ND	Benzene	ND	Chloroform	ND
Ethanol	ND	I-Butane	ND	Isopropanol	ND
Methanol	ND	N-Butane	ND	Pentane	ND
Toluene	ND				

### Heavy Metals

(ICP-MS)

Analyte	ppb	Analyte	ppb	Analyte	ppb
Arsenic (As)	ND	Cadmium (Cd)	ND	Lead (Pb)	ND
Mercury (Hg)	ND				

### Mycotoxins

(LCMS/MS)

Analyte	(µg/Kg)	Analyte	(µg/Kg)	Analyte	(µg/Kg)
Aflatoxin B1	ND	Aflatoxin B2	ND	Aflatoxin G1	ND
Aflatoxin G2	ND	Ochratoxin A	ND		

### Terpenes

(GC/GCMS)

Analyte	mg/g	%	Analyte	mg/g	%	Analyte	mg/g	%
3-Carene	0	ND	Alpha-Bisabolol	0	ND	Alpha-Pinene	0	ND
Alpha-Terpinene	0	ND	Alpha-Terpineol	0	ND	Aromadendrene	0	ND
Beta-Myrcene	0	ND	Beta-Pinene	0	ND	Camphene	0	ND
Fenchol	0	ND	Gamma-Terpinene	0	ND	Gamma-Terpineol	0	ND
Geraniol	0	ND	Guaio	0	ND	Humulene	0	ND
Isopulegol	0	ND	Linalool	0	ND	Nerolidol-1	0	ND
Nerolidol-2	0	ND	Ocimene-1	0	ND	Ocimene-2	0	ND
P-Cymene	0	ND	R-Limonene	0	ND	Terpinolene	0	ND
Trans-Caryophyllene	0	ND						

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## Microbiology (qPCR)

(qPCR)

Analyte		Analyte		Analyte	
Total Aerobic Count	Negative	Total Coliform	Negative	Total Enterobacteriaceae	Negative
Total Yeast/Mold	Negative				

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