



# CERTIFICATE OF ANALYSIS

**Customer:** Balanced Health Botanicals

**Collection Date:** 06/06/2019  
**Order Date:** 06/06/2019  
**Report Date:** 06/11/2019  
**Order #**701157  
**Batch #** 021915415

**Initial Weight:** 8343.00/mg  
**Specimen Weight:** 89.43/mg  
**Specimen Type:** Extract  
**Extracted From:** Industrial Hemp  
**Description:** 33mg/mL Pure CBD Oil (THC Free) Tincture

Potency				(HPLC)				
Analyte	mg/g	%	Analyte	mg/g	%	Analyte	mg/g	%
CBC	0	ND	CBCA	0	ND	CBD	35.1600	3.5160
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	35.1600	3.5160	Total THC	0	ND

Pesticides				(LCMS/MS)			
Analyte	ppm	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		
Fonicamid	ND	Fludioxonil	ND	Hexythiazox	ND		
Imazalil	ND	Imidacloprid	ND	Kresoxim Methyl	ND		
Malathion A	ND	Metaxyl	ND	Methiocarb	ND		
Methomyl	ND	MCK-264	ND	Myclobutanil	ND		
Naled	ND	Oxamyl	ND	Pacllobutrazol	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	(ug/Kg)	Analyte	(ug/Kg)	Analyte	(ug/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	Guaiol	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	Passed	Total Coliform	Passed	Total Enterobacteriaceae	Passed
Total Yeast/Mold	Passed				

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