

CERTIFICATE OF ANALYSIS



Customer: Hill City Hemp Company, LLC

Collection Date: 06/06/2019
Order Date: 06/06/2019
Report Date: 06/12/2019
Order #701159
Batch # 021915417

Initial Weight: 8944.00/mg
Specimen Weight: 96.36/mg
Specimen Type: Extract
Extracted From: Industrial Hemp
Description: 83mg/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	88.2600	8.8260
CBDA	0	ND	CBDV	0.2769	0.0277	CBDA	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	88.2600	8.8260	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	Clofentazine	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	Metaxyl	ND	Methiocarb	ND
Methomyl	ND	MGK-264	ND	Myclobutanil	ND
Naled	ND	Oxamyl	ND	Faclobutrazol	ND
Parathion-methyl	ND	Permethrin	ND	Phosmet	ND
Piperonylbutoxide	ND	Prallethrin	ND	Propiconazole	ND
Propoxur	ND	Pvethrins	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 = Quantily 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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(GC/GCMS)					
Residual Solvents					
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				

(ICP-MS)					
Heavy Metals					
Analyte	ppb	Analyte	ppb	Analyte	ppb
Arsenic (As)	ND	Cadmium (Cd)	ND	Lead (Pb)	ND
Mercury (Hg)	ND				

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

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

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Microbiology (qPCR)

(qPCR)

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

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