



CERTIFICATE OF ANALYSIS



Customer: Cleen CBD Brand

Collection Date: 04/29/2019
Order Date: 04/29/2019
Report Date: 05/03/2019
Order #700119
Batch # Cleen55A

Initial Weight: 20436.00/mg
Specimen Weight: 113.08/mg
Specimen Type: Extract
Description:

Potency				(HPLC)			
Analyte	mg/g	%	Analyte	mg/g	%	Analyte	mg/g
CBC	3.4320	0.3432	CBCA	0	ND	CBD	581.6000
CBD	0	ND	CBDV	3.5840	0.3584	CBDVA	0
CBS	0.6224	0.0622	CBGA	0	ND	CBL	0.7076
CBN	0.3176	0.0318	CBNA	0	ND	Delta-8-THC	0
Delta-9-THC	2.3370	0.2337	THCA-A	0	ND	THCV	0
THCVA	0	ND	Total CBD	581.6000	58.1600	Total THC	2.3370
							0.2337

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	Ethionaphos	ND	Etofenprox	ND		
Etoazole	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	Paclobutrazol	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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Description:

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 Panel 2

(GCMS)

Analyte	mg/g	%	Analyte	mg/g	%	Analyte	mg/g	%
3-Carene	0	ND	Alpha-Bisabolol	0.1000	0.0100	Alpha-Pinene	0.1700	0.0170
Alpha-Terpinene	0	ND	Alpha-Terpineol	0	ND	Aromadendrene	0	ND
Beta-Myrcene	0.8700	0.0870	Beta-Pinene	0.0700	0.0070	Camphene	0	ND
Fenchol	0	ND	Gamma-Terpinene	0	ND	Gamma-Terpineol	0	ND
Geraniol	0	ND	Guaiaol	0.0700	0.0070	Humulene	0.1700	0.0170
Isopulegol	0.1500	0.0150	Linalool	0.1400	0.0140	Nerolidol-1	0.0600	0.0060
Nerolidol-2	0	ND	Ocimene-1	0	ND	Ocimene-2	0.0800	0.0080
P-Cymene	0	ND	R-Limonene	0.1400	0.0140	Terpinolene	0.0700	0.0070
Trans-Caryophyllene	0.3500	0.0350						

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Lab Director

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Description:

Microbiology (qPCR)

(qPCR)

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

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Lab Director

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