



# 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	58.1600
CBD A	0	ND	CBDV	3.5840	0.3584	CBDVA	0	ND
CBS	0.6224	0.0622	CBGA	0	ND	CBL	0.7076	0.0708
CBN	0.3176	0.0318	CBNA	0	ND	Delta-8-THC	0	ND
Delta-9-THC	2.3370	0.2337	THCA-A	0	ND	THCV	0	ND
THCVA	0	ND	Total CBD	581.6000	58.1600	Total THC	2.3370	0.2337

Pesticides						(LCMS/MS)		
Analyte	ppm	Analyte	ppm	Analyte	ppm	Analyte	ppm	Analyte
Abamectin	ND	Acephate	ND	Acequinocyl	ND	Azoxystrobin	ND	
Acetamiprid	ND	Aldicarb	ND	Boscalid	ND			
Bifenazate	ND	Bifenthrin	ND	Chlorantraniliprole	ND			
Carbaryl	ND	Carbofuran	ND	Cypermethrin	ND			
Chlorpyrifos	ND	Clofentazine	ND	Dichlorvos	ND			
Daminozide	ND	Diazinon	ND	Etofenprox	ND			
Dimethoate	ND	Ethioprofos	ND	Fipronil	ND			
Etoxazole	ND	Fenoxycarb	ND	Hexythiazox	ND			
Fonicamid	ND	Fludioxonil	ND	Kresoxim Methyl	ND			
Imazalil	ND	Imidacloprid	ND	Methiocarb	ND			
Malathion A	ND	Metalaxyl	ND	Myclobutanil	ND			
Methomyl	ND	MGK-264	ND	Paclobutrazol	ND			
Naled	ND	Oxamyl	ND	Phosmet	ND			
Parathion-methyl	ND	Permethrin	ND	Propiconazole	ND			
Piperonylbutoxide	ND	Prallethrin	ND	Pyridaben	ND			
Propoxur	ND	Pyrethrins	ND	Spiromesifen	ND			
Spinosyn A	ND	Spinosyn D	ND	Tebuconazole	ND			
Spirotetramat	ND	Spiroxamine	ND	Trifloxystrobin	ND			
Thiacloprid	ND	Thiamethoxam	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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Specimen Type: Extract  
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	Guaiol	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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**Batch #** Cleen 55A

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**Specimen Type:** Extract  
**Description:**

## Microbiology (qPCR)

(qPCR)

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

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