

Certificate of Analysis

*Amendment to CoA 190122T041-001

Sample Name: CBD 500MG TEST # 1
 LIMS Sample ID: 190122T041
 Batch #:
 Sample Metrc ID:
 Sample Type: Infused, Liquid Edible
 Batch Count:
 Sample Count:
 Unit Mass: 28.434 Grams per Unit
 Serving Mass: 0.9478 Grams per Serving

Date Collected: 01/22/2019
 Date Received: 01/22/2019
 Tested for: Can Be Done
 License #:
 Address: CA
 Produced by:
 License #:
 Address:
 Overall result for batch:

Moisture Test Results

Moisture	% NT

Cannabinoid Test Results

03/07/2019

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

	mg/g	%	LOD mg/g	LOQ mg/g
THC	0.746	0.0746	0.000034	0.001
THCa	ND	ND	0.000066	0.001
CBD	19.508	1.9508	0.000057	0.001
CBDa	0.908	0.0908	0.000038	0.001
CBN	ND	ND	0.000029	0.001
CBDV	0.056	0.0056	0.000065	0.001
CBDVa	ND	ND	0.00003	0.001
CBG	0.354	0.0354	0.000086	0.001
CBGa	ND	ND	0.000072	0.001
THCV	ND	ND	0.000035	0.001
Δ8 - THC	ND	ND	0.000083	0.001
CBC	1.001	0.1001	0.000095	0.001

Sum of Cannabinoids: 22.573 2.2573 641.841 mg/Unit

Total THC (Δ9THC+0.877*THCa) 0.746 0.0746 21.212 mg/Unit
 Total CBD (CBD+0.877*CBDa) 20.304 2.0304 577.324 mg/Unit

THC per Unit Action Limit mg 1000.0 21.212 mg/Unit
 THC per Serving 0.707 mg/Serving

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

	NT	Action Limit
Shiga toxin-producing Escherichia coli	NT	
Salmonella spp.	NT	
Aspergillus fumigatus	NT	
Aspergillus flavus	NT	
Aspergillus niger	NT	
Aspergillus terreus	NT	

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

	µg/g	Action Limit µg/g	LOD µg/g	LOQ µg/g
Cadmium	NT			
Lead	NT			
Arsenic	NT			
Mercury	NT			

Mycotoxin Test Results

01/29/2019

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

	µg/kg	Action Limit µg/kg	LOD µg/kg	LOQ µg/kg
Aflatoxin B1, B2, G1, G2	ND	20.0	0.681	2.139
Ochratoxin A	ND	20.0	6.204	19.5

Water Activity Test Results

Water Activity	Aw NT	Action Limit Aw

Terpene Test Results

01/24/2019

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g	%	LOD mg/g	LOQ mg/g
☑ Bisabolol	0.22	0.022	0.02	0.07
☑ Pinene	<LOQ	<LOQ	0.02	0.07
3 Carene	ND	ND	0.02	0.07
Borneol	ND	ND	0.02	0.07
☑ Caryophyllene	0.36	0.036	0.02	0.07
Geraniol	ND	ND	0.02	0.07
☑ Humulene	0.11	0.011	0.02	0.07
Terpinolene	ND	ND	0.02	0.07
Valencene	ND	ND	0.02	0.07
Menthol	ND	ND	0.02	0.07
Nerolidol	<LOQ	<LOQ	0.02	0.07
Camphene	ND	ND	0.02	0.07
Eucalyptol	ND	ND	0.02	0.07
☑ Cedrene	ND	ND	0.02	0.07
Camphor	ND	ND	0.02	0.07
(-)-Isopulegol	ND	ND	0.02	0.07
Sabinene	ND	ND	0.02	0.07
☑ Terpinene	ND	ND	0.02	0.07
☑ Terpinene	ND	ND	0.02	0.07
Linalool	<LOQ	<LOQ	0.02	0.07
Limonene	2.95	0.295	0.02	0.07
Myrcene	0.19	0.019	0.02	0.07
Fenchol	ND	ND	0.02	0.07
☑ Phellandrene	ND	ND	0.02	0.07
Caryophyllene Oxide	<LOQ	<LOQ	0.02	0.07
Terpineol	ND	ND	0.02	0.07
☑ Pinene	ND	ND	0.02	0.07
R-(+)-Pulegone	ND	ND	0.02	0.07
Geranyl Acetate	ND	ND	0.02	0.07
Citronellol	ND	ND	0.02	0.07
p-Cymene	ND	ND	0.02	0.07
Ocimene	ND	ND	0.02	0.07
Guaiol	<LOQ	<LOQ	0.02	0.07
Phytol	ND	ND	0.02	0.07
Isoborneol	ND	ND	0.02	0.07

Total Terpene Concentration: 3.83 0.383

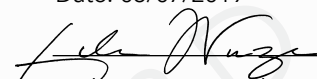
Sample Certification



Scan to verify at sclabs.com
 Sample must be marked as public to be viewable



Michael Pham, LQC Verified By
 Date: 03/07/2019



Josh Wurzer, President
 Date: 03/07/2019

Certificate of Analysis

*Amendment to CoA 190122T041-001

Sample Name: CBD 500MG TEST # 1
 LIMS Sample ID: 190122T041
 Batch #:
 Sample Metrc ID:
 Sample Type: Infused, Liquid Edible
 Batch Count:
 Sample Count:
 Unit Mass: 28.434 Grams per Unit
 Serving Mass: 0.9478 Grams per Serving

Date Collected: 01/22/2019
 Date Received: 01/22/2019
 Tested for: Can Be Done
 License #:
 Address: CA
 Produced by:
 License #:
 Address:
 Overall result for batch:

Pesticide Test Results

01/29/2019

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

	µg/g	Action Limit µg/g	LOD µg/g	LOQ µg/g
Abamectin	ND	0.3	0.032	0.1
Acephate	ND	5.0	0.032	0.1
Acequinocyl	ND	4.0	0.032	0.1
Acetamiprid	ND	5.0	0.032	0.1
Azoxystrobin	ND	40.0	0.032	0.1
Bifenazate	ND	5.0	0.032	0.1
Bifenthrin	ND	0.5	0.032	0.1
Boscalid	ND	10.0	0.032	0.1
Captan	ND	5.0	0.032	0.1
Carbaryl	ND	0.5	0.032	0.1
Chlorantraniliprole	ND	40.0	0.032	0.1
Clofentezine	ND	0.5	0.032	0.1
Cyfluthrin	ND	1.0	0.032	0.1
Cypermethrin	ND	1.0	0.032	0.1
Diazinon	ND	0.2	0.032	0.1
Dimethomorph	ND	20.0	0.032	0.1
Etoxazole	ND	1.5	0.032	0.1
Fenhexamid	ND	10.0	0.032	0.1
Fenpyroximate	ND	2.0	0.032	0.1
Flonicamid	ND	2.0	0.032	0.1
Fludioxonil	ND	30.0	0.032	0.1
Hexythiazox	ND	2.0	0.032	0.1
Imidacloprid	ND	3.0	0.032	0.1
Kresoxim-methyl	ND	1.0	0.032	0.1
Malathion	ND	5.0	0.032	0.1
Metalaxyl	ND	15.0	0.032	0.1
Methomyl	ND	0.1	0.032	0.1
Myclobutanil	ND	9.0	0.032	0.1
Naled	ND	0.5	0.032	0.1
Oxamyl	ND	0.2	0.032	0.1
Pentachloronitrobenzene	ND	0.2	0.032	0.1
Permethrin	ND	20.0	0.032	0.1
Phosmet	ND	0.2	0.032	0.1
Piperonylbutoxide	ND	8.0	0.032	0.1
Prallethrin	ND	0.4	0.032	0.1
Propiconazole	ND	20.0	0.032	0.1
Pyrethrins	ND	1.0	0.032	0.1
Pyridaben	ND	3.0	0.032	0.1
Spinetoram	ND	3.0	0.032	0.1
Spinosad	ND	3.0	0.032	0.1
Spiromesifen	ND	12.0	0.032	0.1
Spirotetramat	ND	13.0	0.032	0.1
Tebuconazole	ND	2.0	0.032	0.1
Thiamethoxam	ND	4.5	0.032	0.1
Trifloxystrobin	ND	30.0	0.032	0.1

Pesticide Test Results

01/29/2019

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

	µg/g	Action Limit µg/g	LOD µg/g	LOQ µg/g
Aldicarb	ND	ND	0.032	0.1
Carbofuran	ND	ND	0.032	0.1
Chlordane	ND	ND	0.032	0.1
Chlorfenapyr	ND	ND	0.032	0.1
Chlorpyrifos	ND	ND	0.032	0.1
Coumaphos	ND	ND	0.032	0.1
Daminozide	ND	ND	0.032	0.1
DDVP (Dichlorvos)	ND	ND	0.032	0.1
Dimethoate	ND	ND	0.032	0.1
Ethoprop(hos)	ND	ND	0.032	0.1
Etofenprox	ND	ND	0.032	0.1
Fenoxycarb	ND	ND	0.032	0.1
Fipronil	ND	ND	0.032	0.1
Imazalil	ND	ND	0.032	0.1
Methiocarb	ND	ND	0.032	0.1
Methyl parathion	ND	ND	0.032	0.1
Mevinphos	ND	ND	0.032	0.1
Paclobutrazol	ND	ND	0.032	0.1
Propoxur	ND	ND	0.032	0.1
Spiroxamine	ND	ND	0.032	0.1
Thiacloprid	ND	ND	0.032	0.1

Foreign Material Test Results

NT

Sample Certification



Scan to verify at sclabs.com
 Sample must be marked as public to be viewable

Michael Pham, LQC Verified By
 Date: 03/07/2019

Josh Wurzer, President
 Date: 03/07/2019

Certificate of Analysis

*Amendment to CoA 190122T041-001

Sample Name: CBD 500MG TEST # 1
 LIMS Sample ID: 190122T041
 Batch #:
 Sample Metric ID:
 Sample Type: Infused, Liquid Edible
 Batch Count:
 Sample Count:
 Unit Mass: 28.434 Grams per Unit
 Serving Mass: 0.9478 Grams per Serving

Date Collected: 01/22/2019
 Date Received: 01/22/2019
 Tested for: Can Be Done
 License #:
 Address: CA
 Produced by:
 License #:
 Address:
 Overall result for batch:

Residual Solvent Test Results

01/25/2019

Note

Residual Solvent analysis utilizing Gas Chromatography - Mass Spectrometry (GC - MS)

Density: 0.9478 g/mL

	µg/g	Action Limit µg/g	LOD µg/g	LOQ µg/g
1,2-Dichloroethane	NT			
Benzene	NT			
Chloroform	NT			
Ethylene Oxide	NT			
Methylene chloride	NT			
Trichloroethylene	NT			
Acetone	ND	5000.0	371.43	1088.28
Acetonitrile	ND	410.0	0.657	1.925
Butane	ND	5000.0	107.06	313.69
Ethanol	ND	5000.0	149.81	438.94
Ethyl acetate	ND	5000.0	149.48	437.97
Ethyl ether	ND	5000.0	375.12	1099.1
Heptane	ND	5000.0	149.21	437.17
Hexane	ND	290.0	18.5	54.22
Isopropyl Alcohol	ND	5000.0	74.61	218.59
Methanol	ND	3000.0	96.47	282.66
Pentane	ND	5000.0	149.25	437.31
Propane	ND	5000.0	106.66	312.5
Toluene	ND	890.0	7.107	20.82
Total Xylenes	ND	2170.0	1.387	4.065

Batch Photo

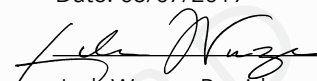
Sample Certification



Scan to verify at sclabs.com
 Sample must be marked as public to be viewable



Michael Pham, LQC Verified By
 Date: 03/07/2019



Josh Wurzer, President
 Date: 03/07/2019