

Certificate of Analysis

*Amendment to CoA 190307P001-001

Sample Name: Orange Citrus CBD Oil 250mg
 LIMS Sample ID: 190307P001
 Batch #:
 Sample Metric ID:
 Sample Type: Infused, Liquid Edible
 Batch Count:
 Sample Count:
 Unit Volume: 30 Milliliters per Unit
 Serving Volume: 0.5 Milliliters per Serving

Date Collected: 03/07/2019
 Date Received: 03/07/2019
 Tested for: Core CBD
 License #:
 Address:
 Produced by:
 License #:
 Address:
 Overall result for batch:

Moisture Test Results

Moisture	% NT

Cannabinoid Test Results

03/08/2019

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

	mg/mL	LOD mg/mL	LOQ mg/mL
THC	ND	0.000034	0.001
THCa	ND	0.000066	0.001
CBD	7.974	0.000057	0.001
CBDa	0.010	0.000038	0.001
CBN	ND	0.000029	0.001
CBDV	0.047	0.000065	0.001
CBDVa	ND	0.00003	0.001
CBG	ND	0.000086	0.001
CBGa	ND	0.000072	0.001
THCV	ND	0.000035	0.001
Δ8 - THC	ND	0.000083	0.001
CBC	ND	0.000095	0.001

Sum of Cannabinoids: 8.031 240.930 mg/Unit

Total THC (Δ9THC+0.877*THCa) ND ND
 Total CBD (CBD+0.877*CBDa) 7.983 239.490 mg/Unit

	Action Limit mg	
THC per Unit	1000.0	ND
THC per Serving		ND

Microbiological Test Results

03/09/2019

PCR and fluorescence detection of microbiological impurities

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

Heavy Metal Test Results

03/09/2019

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

	µg/g	Action Limit µg/g	LOD µg/g	LOQ µg/g
Cadmium	ND	0.5	0.0032	0.01
Lead	ND	0.5	0.0080	0.025
Arsenic	ND	1.5	0.0032	0.01
Mercury	ND	3.0	0.0025	0.008

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

	µg/kg	Action Limit µg/kg	LOD µg/kg	LOQ µg/kg
Aflatoxin B1, B2, G1, G2	NT			
Ochratoxin A	NT			

Water Activity Test Results

Water Activity	Aw NT	Action Limit Aw

Terpene Test Results

03/15/2019

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

	mg/g	%	LOD mg/g	LOQ mg/g
☑ Bisabolol	ND	ND	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	ND	ND	0.02	0.07
Geraniol	ND	ND	0.02	0.07
☑ Humulene	ND	ND	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	ND	ND	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	15.13	1.513	0.02	0.07
Myrcene	0.21	0.021	0.02	0.07
Fenchol	ND	ND	0.02	0.07
☑ Phellandrene	ND	ND	0.02	0.07
Caryophyllene Oxide	ND	ND	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	ND	ND	0.02	0.07
Phytol	ND	ND	0.02	0.07
Isoborneol	ND	ND	0.02	0.07

Total Terpene Concentration: 15.34 1.534

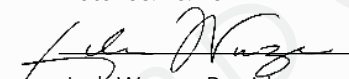
Sample Certification



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



Mackenzie Whitman, LQC Verified By
 Date: 03/15/2019



Josh Wurzer, President
 Date: 03/15/2019

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Pesticide Test Results

03/09/2019

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

03/09/2019

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

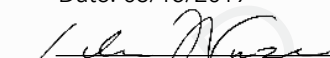
NT

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 Date: 03/15/2019


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Produced by:

License #:

Address:

Overall result for batch:

Residual Solvent Test Results

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

	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	NT			
Acetonitrile	NT			
Butane	NT			
Ethanol	NT			
Ethyl acetate	NT			
Ethyl ether	NT			
Heptane	NT			
Hexane	NT			
Isopropyl Alcohol	NT			
Methanol	NT			
Pentane	NT			
Propane	NT			
Toluene	NT			
Total Xylenes	NT			

Note

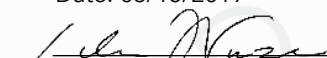
Batch Photo

Sample Certification



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