

# Certificate of Analysis

Sample Name: Peppermint flavored cbd oil 1000mg  
 LIMS Sample ID: 190504L001  
 Batch #:  
 Sample Metric ID:  
 Sample Type: Infused, Liquid Edible  
 Batch Count:  
 Sample Count:  
 Unit Mass: 30 Grams per Unit  
 Serving Mass:  
 Density: 0.9332 g/mL

Date Collected: 05/04/2019  
 Date Received: 05/04/2019  
 Tested for: Core CBD  
 License #:  
 Address:  
 Produced by:  
 License #:  
 Address:  
 Overall result for batch:

## Moisture Test Results

Moisture	% NT

## Cannabinoid Test Results

05/04/2019

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

	mg/mL	%	LOD mg/mL	LOQ mg/mL
THC	ND	ND	0.0009	0.003
THCa	ND	ND	0.0009	0.003
CBD	36.482	3.9093	0.0009	0.003
CBDa	ND	ND	0.0009	0.003
CBN	ND	ND	0.0009	0.003
CBDV	ND	ND	0.0004	0.001
CBDVa	ND	ND	0.0003	0.001
CBG	ND	ND	0.001	0.003
CBGa	ND	ND	0.0008	0.002
THCV	ND	ND	0.0004	0.001
Δ8 - THC	ND	ND	0.0009	0.003
CBC	ND	ND	0.0011	0.003
THCVa	ND	ND	0.0013	0.004
CBL	ND	ND	0.0021	0.006
CBCa	ND	ND	0.0015	0.005

<b>Sum of Cannabinoids:</b>	<b>36.482</b>	<b>3.9093</b>	<b>1094.460 mg/Unit</b>	
Total THC (Δ9THC+0.877*THCa)	ND	ND		ND
Total CBD (CBD+0.877*CBDa)	36.482	3.9093	1094.460 mg/Unit	

THC per Unit	Action Limit mg	ND
THC per Serving	1000.0	

## Batch Photo

## Water Activity Test Results

Water Activity	Aw NT	Action Limit Aw

## Terpene Test Results

05/05/2019

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	0.09	0.009	0.02	0.07
3 Carene	ND	ND	0.02	0.07
Borneol	0.36	0.036	0.02	0.07
☑ Caryophyllene	0.37	0.037	0.02	0.07
Geraniol	0.15	0.015	0.02	0.07
☑ Humulene	<LOQ	<LOQ	0.02	0.07
Terpinolene	<LOQ	<LOQ	0.02	0.07
Valencene	<LOQ	<LOQ	0.02	0.07
Menthol	3.46	0.346	0.02	0.07
Nerolidol	ND	ND	0.02	0.07
Camphene	ND	ND	0.02	0.07
Eucalyptol	0.63	0.063	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	<LOQ	<LOQ	0.02	0.07
☑ Terpinene	<LOQ	<LOQ	0.02	0.07
☑ Terpinene	ND	ND	0.02	0.07
Linalool	<LOQ	<LOQ	0.02	0.07
Limonene	0.31	0.031	0.02	0.07
Myrcene	<LOQ	<LOQ	0.02	0.07
Fenchol	ND	ND	0.02	0.07
☑ Phellandrene	ND	ND	0.02	0.07
Caryophyllene Oxide	0.09	0.009	0.02	0.07
Terpineol	0.07	0.007	0.02	0.07
☑ Pinene	0.13	0.013	0.02	0.07
R-(+)-Pulegone	0.20	0.020	0.02	0.07
Geranyl Acetate	ND	ND	0.02	0.07
Citronellol	ND	ND	0.02	0.07
p-Cymene	<LOQ	<LOQ	0.02	0.07
Ocimene	<LOQ	<LOQ	0.02	0.07
Guaiol	0.11	0.011	0.02	0.07
Phytol	ND	ND	0.02	0.07
Isoborneol	ND	ND	0.02	0.07

**Total Terpene Concentration: 5.97 0.597**

## Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019  
 Authority: Section 26013, Business and Professions Code.  
 Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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



Josh Wurzer, President  
 Date: 05/06/2019

Sample Name: Peppermint flavored cbd oil 1000mg  
 LIMS Sample ID: 190504L001  
 Batch #:  
 Sample Metric ID:  
 Sample Type: Infused, Liquid Edible  
 Batch Count:  
 Sample Count:  
 Unit Mass: 30 Grams per Unit  
 Serving Mass:  
 Density: 0.9332 g/mL

Date Collected: 05/04/2019  
 Date Received: 05/04/2019  
 Tested for: Core CBD  
 License #:  
 Address:  
 Produced by:  
 License #:  
 Address:  
 Overall result for batch:

## Pesticide Test Results

05/05/2019

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	0.030	0.091
Acephate	ND	5.0	0.013	0.039
Acequinocyl	ND	4.0	0.010	0.031
Acetamiprid	ND	5.0	0.013	0.038
Azoxystrobin	ND	40.0	0.015	0.047
Bifenazate	ND	5.0	0.012	0.035
Bifenthrin	ND	0.5	0.013	0.038
Boscalid	ND	10.0	0.008	0.023
Captan	ND	5.0	0.099	0.300
Carbaryl	ND	0.5	0.014	0.043
Chlorantraniliprole	ND	40.0	0.020	0.061
Clofentezine	ND	0.5	0.009	0.027
Cyfluthrin	ND	1.0	0.099	0.299
Cypermethrin	ND	1.0	0.030	0.091
Diazinon	ND	0.2	0.009	0.027
Dimethomorph	ND	20.0	0.018	0.055
Etoxazole	ND	1.5	0.007	0.022
Fenhexamid	ND	10.0	0.015	0.045
Fenpyroximate	ND	2.0	0.012	0.036
Flonicamid	ND	2.0	0.022	0.066
Fludioxonil	ND	30.0	0.020	0.061
Hexythiazox	ND	2.0	0.009	0.027
Imidacloprid	ND	3.0	0.017	0.050
Kresoxim-methyl	ND	1.0	0.010	0.029
Malathion	ND	5.0	0.006	0.019
Metalaxyl	ND	15.0	0.011	0.033
Methomyl	ND	0.1	0.022	0.067
Myclobutanil	ND	9.0	0.015	0.044
Naled	ND	0.5	0.010	0.031
Oxamyl	ND	0.2	0.014	0.042
Pentachloronitrobenzene	ND	0.2	0.020	0.061
Permethrin	ND	20.0	0.027	0.082
Phosmet	ND	0.2	0.010	0.030
Piperonylbutoxide	ND	8.0	0.007	0.020
Prallethrin	ND	0.4	0.011	0.032
Propiconazole	ND	20.0	0.004	0.013
Pyrethrins	ND	1.0	0.012	0.036
Pyridaben	ND	3.0	0.007	0.020
Spinetoram	ND	3.0	0.006	0.017
Spinosad	ND	3.0	0.010	0.031
Spiromesifen	ND	12.0	0.005	0.015
Spirotetramat	ND	13.0	0.014	0.042
Tebuconazole	ND	2.0	0.006	0.018
Thiamethoxam	ND	4.5	0.011	0.033
Trifloxystrobin	ND	30.0	0.007	0.020

## 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			

## Pesticide Test Results

05/05/2019

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	0.030	0.091
Carbofuran	ND	ND	0.029	0.089
Chlordane	ND	ND	0.032	0.097
Chlorfenapyr	ND	ND	0.030	0.090
Chlorpyrifos	ND	ND	0.029	0.089
Coumaphos	ND	ND	0.029	0.089
Daminozide	ND	ND	0.030	0.091
DDVP (Dichlorvos)	ND	ND	0.029	0.089
Dimethoate	ND	ND	0.029	0.089
Ethoprop(hos)	ND	ND	0.029	0.089
Etofenprox	ND	ND	0.029	0.089
Fenoxycarb	ND	ND	0.029	0.089
Fipronil	ND	ND	0.029	0.089
Imazalil	ND	ND	0.029	0.089
Methiocarb	ND	ND	0.029	0.089
Methyl parathion	ND	ND	0.029	0.089
Mevinphos	ND	ND	0.029	0.089
Paclobutrazol	ND	ND	0.029	0.089
Propoxur	ND	ND	0.029	0.089
Spiroxamine	ND	ND	0.029	0.089
Thiacloprid	ND	ND	0.029	0.089

## Heavy Metal Test Results

05/05/2019

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	0.012	0.035
Lead	ND	0.5	0.031	0.095
Arsenic	ND	1.5	0.013	0.039
Mercury	<LOQ	3.0	0.002	0.005

## Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019  
 Authority: Section 26013, Business and Professions Code.  
 Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at [sclabs.com](http://sclabs.com)  
 Sample must be marked as public to be viewable

  
 Josh Wurzer, President

Date: 05/06/2019  
 CoA ID: 190504L001-001 - Page 2 of 3

Sample Name: Peppermint flavored cbd oil 1000mg  
 LIMS Sample ID: 190504L001  
 Batch #:  
 Sample Metric ID:  
 Sample Type: Infused, Liquid Edible  
 Batch Count:  
 Sample Count:  
 Unit Mass: 30 Grams per Unit  
 Serving Mass:  
 Density: 0.9332 g/mL

Date Collected: 05/04/2019  
 Date Received: 05/04/2019  
 Tested for: Core CBD  
 License #:  
 Address:  
 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

### Microbiological Test Results

05/06/2019

PCR and fluorescence detection of microbiological impurities

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

### Foreign Material Test Results

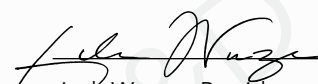
NT

### Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019  
 Authority: Section 26013, Business and Professions Code.  
 Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at [sclabs.com](http://sclabs.com)  
 Sample must be marked as public to be viewable

  
 Josh Wurzer, President  
 Date: 05/06/2019  
 CoA ID: 190504L001-001 - Page 3 of 3