



# Steep Hill California

1005 PARKER STREET, BERKELEY, CA 94710 LICENSE #: C8-0000082-LIC

## CERTIFICATE OF ANALYSIS

Sample Name: 310mg Daytime CBD Capsules  
 Steep Hill ID: BK82902  
 Batch ID: Laguna Woods CBD  
 Sample Type: Capsule  
 Date Received: 3/3/2020  
 Date Reported: 3/9/2020  
 Pkg. Mass: 19.1 g  
 Capsule Mass: 0.605 g  
 # of Servings: 31

Customer: Lux Global Consulting

Cannabinoids	Residual Pesticides	Microbial Impurities	Mycotoxins	Heavy Metals	Water Activity	Residual Solvents	Foreign Material
Tested	Tested	Tested	NT	Tested	NT	Tested	NT



**Total THC**  
 Not Detected  
 Not Detected  
 Not Detected  
 Not Detected

**Total CBD**  
 1.87 %  
 18.7 mg/g  
 357 mg/pkg  
 11.5 mg/serv

**Total Cannabinoids**  
 1.87 %  
 18.7 mg/g  
 357 mg/pkg  
 11.5 mg/serv

Leah Shaffer  
 Chief Science Officer  
 Date: 3/9/2020

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 REVISION #: BK82902.1



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### Cannabinoid Results

3/9/2020

Standard potency analysis utilizing High Performance Liquid Chromatography with Photo Diode Array Detector (HPLC-PDA; SOP-068) - **THC Limits: 1000 mg/pkg**

Analyte	%	mg/g	mg/pkg	mg/serv	LOD mg/g	LOQ mg/g
CBD	1.87	18.7	357	11.5	0.115	0.414
CBDA	ND	ND	ND	ND	0.0378	0.414
CBG	ND	ND	ND	ND	0.0490	0.414
CBN	ND	ND	ND	ND	0.0126	0.414
THC	ND	ND	ND	ND	0.0510	0.414
THCA	ND	ND	ND	ND	0.0524	0.414
CBC	NT	NT	NT	NT	NT	NT
CBCA	NT	NT	NT	NT	NT	NT
CBDV	NT	NT	NT	NT	NT	NT
CBDVA	NT	NT	NT	NT	NT	NT
CBGA	NT	NT	NT	NT	NT	NT
CBL	NT	NT	NT	NT	NT	NT
CBLA	NT	NT	NT	NT	NT	NT
CBNA	NT	NT	NT	NT	NT	NT
delta-8-THC	NT	NT	NT	NT	NT	NT
THCV	NT	NT	NT	NT	NT	NT
THCVA	NT	NT	NT	NT	NT	NT
Total	1.87	18.7	357	11.5		

### Terpenoid Results

NT

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069)

Analyte	%	mg/g	LOD mg/g	LOQ mg/g	Analyte	%	mg/g	LOD mg/g	LOQ mg/g
$\alpha$ -Bisabolol	NT	NT	NT	NT	Linalool	NT	NT	NT	NT
endo-Borneol	NT	NT	NT	NT	Menthol	NT	NT	NT	NT
Camphene	NT	NT	NT	NT	$\beta$ -Myrcene	NT	NT	NT	NT
Camphor	NT	NT	NT	NT	Nerol	NT	NT	NT	NT
3-Carene	NT	NT	NT	NT	cis-Nerolidol	NT	NT	NT	NT
Caryophyllene Oxide	NT	NT	NT	NT	trans-Nerolidol	NT	NT	NT	NT
$\beta$ -Caryophyllene	NT	NT	NT	NT	cis- $\beta$ -Ocimene	NT	NT	NT	NT
$\alpha$ -Cedrene	NT	NT	NT	NT	trans- $\beta$ -Ocimene	NT	NT	NT	NT
Cedrol	NT	NT	NT	NT	$\alpha$ -Phellandrene	NT	NT	NT	NT
Citronellol	NT	NT	NT	NT	Phytol 1	NT	NT	NT	NT
Eucalyptol	NT	NT	NT	NT	Phytol 2	NT	NT	NT	NT
$\alpha$ -Farnesene	NT	NT	NT	NT	$\alpha$ -Pinene	NT	NT	NT	NT
$\beta$ -Farnesene	NT	NT	NT	NT	$\beta$ -Pinene	NT	NT	NT	NT
Fenchol	NT	NT	NT	NT	Pulegone	NT	NT	NT	NT
Fenchone	NT	NT	NT	NT	Sabinene	NT	NT	NT	NT
Geraniol	NT	NT	NT	NT	Sabinene Hydrate	NT	NT	NT	NT
Geranyl Acetate	NT	NT	NT	NT	$\alpha$ -Terpinene	NT	NT	NT	NT
Guaiol	NT	NT	NT	NT	$\gamma$ -Terpinene	NT	NT	NT	NT
$\alpha$ -Humulene	NT	NT	NT	NT	$\alpha$ -Terpineol	NT	NT	NT	NT
Isoborneol	NT	NT	NT	NT	Terpinolene	NT	NT	NT	NT
Isopulegol	NT	NT	NT	NT	Valencene	NT	NT	NT	NT
Limonene	NT	NT	NT	NT	Total	NT	NT	NT	NT

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### Residual Pesticides Results

3/8/2020

Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry (LC-MSMS + GC-MSMS; SOP-070 + SOP-080) - Limit units: µg/g

Analyte	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	µg/g	Limit	LOD µg/g	LOQ µg/g
Abamectin	ND	0.3	0.0126	0.0421	Fludioxonil	ND	30	0.0225	0.0751
Acephate	ND	5	0.00473	0.0158	Hexythiazox	ND	2	0.00518	0.0172
Acequinocyl	ND	4	0.0109	0.0362	Imazalil	ND	ND	0.00573	0.0191
Acetamiprid	ND	5	0.00473	0.0158	Imidacloprid	ND	3	0.00518	0.0172
Aldicarb	ND	ND	0.00568	0.0189	Kresoxim-methyl	ND	1	0.00518	0.0172
Azoxystrobin	ND	40	0.00479	0.0159	Malathion	ND	5	0.00523	0.0174
Bifenazate	ND	5	0.00473	0.0158	Metaxyl	ND	15	0.00529	0.0176
Bifenthrin	ND	0.5	0.0228	0.0758	Methiocarb	ND	ND	0.00568	0.0189
Boscalid	ND	10	0.00479	0.0159	Methomyl	ND	0.1	0.00523	0.0174
Captan	ND	5	0.0470	0.156	Methyl Parathion	ND	ND	0.0283	0.0944
Carbaryl	ND	0.5	0.00473	0.0158	Mevinphos	ND	ND	0.00462	0.0154
Carbofuran	ND	ND	0.00568	0.0189	Myclobutanil	ND	9	0.00523	0.0174
Chlorantraniliprole	ND	40	0.00484	0.0161	Naled	ND	0.5	0.00518	0.0172
Chlordane	ND	ND	0.0102	0.0341	Oxamyl	ND	0.2	0.00529	0.0176
Chlorfenapyr	ND	ND	0.0282	0.0938	Paclobutrazol	ND	ND	0.0271	0.0903
Chlorpyrifos	ND	ND	0.00573	0.0191	Pentachloronitrobenzene	ND	0.2	0.0122	0.0408
Clofentezine	ND	0.5	0.00473	0.0158	Permethrin	ND	20	0.0458	0.153
Coumaphos	ND	ND	0.00568	0.0189	Phosmet	ND	0.2	0.00518	0.0172
Cyfluthrin	ND	1	0.0468	0.156	Piperonyl Butoxide	< LOQ	8	0.00523	0.0174
Cypermethrin	ND	1	0.0468	0.156	Prallethrin	ND	0.4	0.0246	0.0819
Daminozide	ND	ND	0.0271	0.0901	Propiconazole	ND	20	0.0250	0.0832
Diazinon	ND	0.2	0.00479	0.0159	Propoxur	ND	ND	0.00568	0.0189
Dichlorvos	ND	ND	0.0131	0.0436	Pyrethrins	ND	1	0.0297	0.0990
Dimethoate	ND	ND	0.00573	0.0191	Pyridaben	ND	3	0.00523	0.0174
Dimethomorph	ND	20	0.00234	0.00779	Spinetoram	ND	3	0.00351	0.0117
Ethoprophos	ND	ND	0.00573	0.0191	Spinosad	ND	3	0.00362	0.0121
Etofenprox	ND	ND	0.00579	0.0193	Spiromesifen	ND	12	0.0248	0.0827
Etoxazole	ND	1.5	0.0109	0.0362	Spirotetramat	ND	13	0.00518	0.0172
Fenhexamid	ND	10	0.00479	0.0159	Spiroxamine	ND	ND	0.00573	0.0191
Fenoxycarb	ND	ND	0.00573	0.0191	Tebuconazole	ND	2	0.00512	0.0171
Fenpyroximate	ND	2	0.00473	0.0158	Thiacloprid	ND	ND	0.00568	0.0189
Fipronil	ND	ND	0.0130	0.0432	Thiamethoxam	ND	4.5	0.00523	0.0174
Flonicamid	ND	2	0.00473	0.0158	Trifloxystrobin	ND	30	0.00523	0.0174

### Residual Solvents Results

3/9/2020

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010) - Limit units: µg/g

Analyte	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	µg/g	Limit	LOD µg/g	LOQ µg/g
1,2 Dichloroethane	ND	1	0.00374	0.0499	n-Heptane	ND	5000	0.164	23.0
Acetone	ND	5000	0.106	2.30	n-Hexane	ND	290	0.0107	0.283
Acetonitrile	ND	410	0.0367	0.403	Isopropanol	ND	5000	0.128	2.29
Benzene	ND	1	0.00236	0.0200	Methanol	< LOQ	3000	0.319	2.96
n-Butane	ND	5000	0.0458	4.12	Methylene Chloride	ND	1	0.000969	0.584
Chloroform	ND	1	0.00193	0.0599	n-Pentane	28.5	5000	0.133	2.31
Ethanol	ND	5000	0.755	2.29	Propane	ND	5000	0.00715	0.164
Ethyl Acetate	ND	5000	0.0961	2.30	Toluene	ND	890	0.0493	0.888
Ethyl Ether	ND	5000	0.0960	23.0	Total Xylenes	ND	2170	0.0759	4.28
Ethylene Oxide	ND	1	0.0184	0.0494	Trichloroethylene	ND	1	0.00293	0.792

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### Microbial Impurities Results

3/9/2020

Microbiological screening utilizing Pathogen Dx. (PDX; SOP-076)

Analyte	Result	Limit	LOQ
Aspergillus flavus	Detected	ND	Not Detected in 1 gram
Aspergillus fumigatus	ND	ND	Not Detected in 1 gram
Aspergillus niger	ND	ND	Not Detected in 1 gram
Aspergillus terreus	ND	ND	Not Detected in 1 gram
E. coli (STEC)	ND	ND	Not Detected in 1 gram
Salmonella	ND	ND	Not Detected in 1 gram

### Mycotoxin Results

NT

Mycotoxin analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070) - Limit units: µg/kg

Analyte	µg/kg	Limit	LOD µg/kg	LOQ µg/kg
Aflatoxin B1	NT	NT	NT	NT
Aflatoxin B2	NT	NT	NT	NT
Aflatoxin G1	NT	NT	NT	NT
Aflatoxin G2	NT	NT	NT	NT
Ochratoxin A	NT	NT	NT	NT
Total Aflatoxins	NT	NT	NT	NT

### Heavy Metals Results

3/8/2020

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072) - Limit units: µg/g

Analyte	µg/g	Limit	LOD µg/g	LOQ µg/g
Arsenic	0.136	1.5	0.0132	0.0379
Cadmium	ND	0.5	0.0132	0.0411
Lead	< LOQ	0.5	0.00658	0.0214
Mercury	ND	3	0.00987	0.0296

### Foreign Material Results

NT

Foreign material analysis utilizing visual inspection (SOP-057)

Analyte	Pass/Fail
Visual Inspection	NT

### Moisture Results

NT

Moisture content analysis utilizing Moisture Balance (MB; SOP-055)

Analyte	%
Moisture	NT

### Water Activity Results

NT

Water Activity analysis utilizing Water Activity Meter (WAM; SOP-090) - Limit units: Aw

Analyte	Aw	Limit
Water Activity	NT	NT

LOD: Limit of Detection  
 LOQ: Limit of Quantitation  
 NT: Not Tested  
 ND: Not Detected

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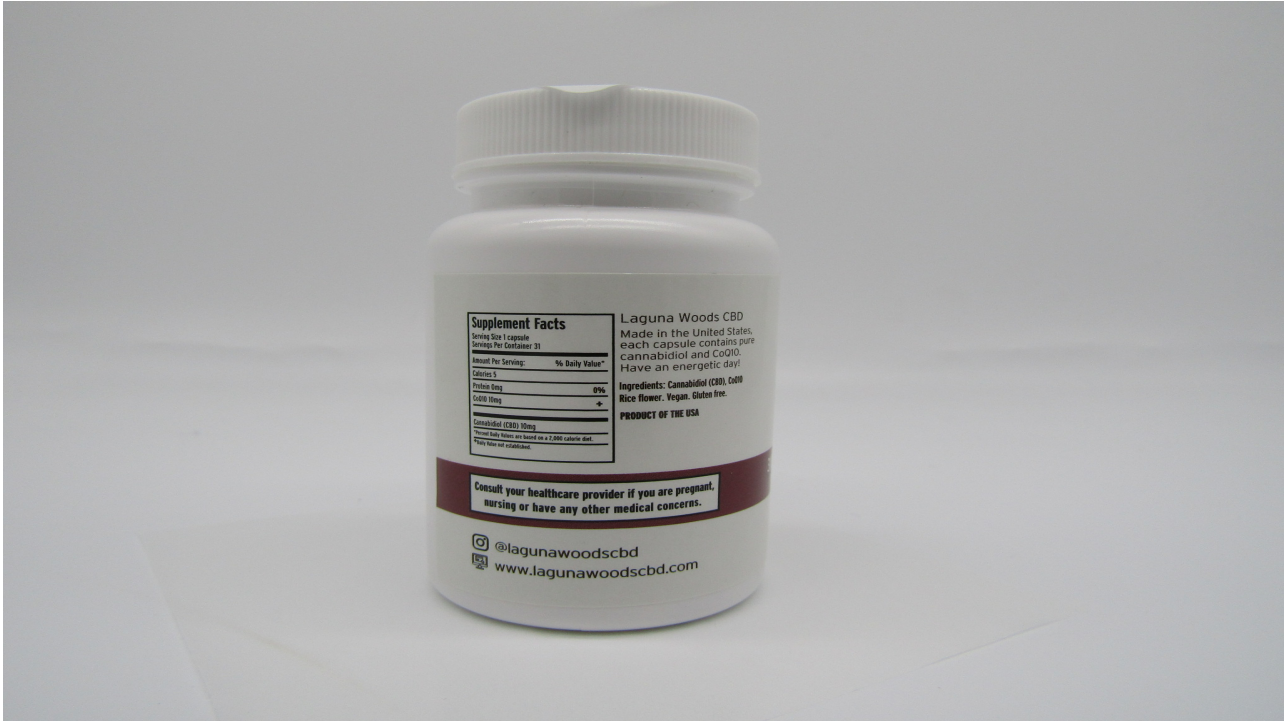


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### Photos



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