



Steep Hill Arkansas

11711 HERMITAGE ROAD, SUITE #5, LITTLE ROCK, AR 72211 LICENSE #: BL157155

CERTIFICATE OF ANALYSIS

Sample Name: CBG Harvest #1
 Steep Hill ID: AR86755
 Batch ID: B224CBG
 State ID:
 Sample Type: Flower
 Date Received: 6/11/2020
 Date Reported: 6/19/2020

Customer: LabCanna LLC
 1006 Gallatin Ave.
 Nashville, TN 37206
 LIC.# Hemp - TN

OVERALL BATCH SUMMARY: **PASS**

Cannabinoids	Residual Pesticides	Microbial Impurities	Heavy Metals	Moisture	Water Activity
Tested	Pass	Pass	Pass	NT	NT



Total THC
 0.140 %
 1.40 mg/g

Total CBD
 Not Detected
 Not Detected
 Not Detected
 Not Detected

Total Cannabinoids
 14.3 %
 143 mg/g

Brandon Thornton
 Pharm D. Co-Owner & CEO
 Date: 6/19/2020

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CERTIFICATE OF ANALYSIS

Cannabinoid Results

6/19/2020

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR)

Analyte	%	mg/g	% (Dry)	mg/g (Dry)	LOD mg/g	LOQ mg/g
CBC	0.0525	0.525			0.0269	0.0897
CBD	ND	ND			0.0312	0.104
CBDA	ND	ND			0.0852	0.284
CBDV	ND	ND			0.0368	0.123
CBG	0.392	3.92			0.0615	0.205
CBGA	13.6	136			0.0336	0.112
CBN	ND	ND			0.0165	0.0550
THC	ND	ND			0.0452	0.151
delta-8-THC	ND	ND			0.0284	0.0946
THCA	0.160	1.60			0.0640	0.213
THCV	ND	ND			0.0634	0.211
Total	14.3	143				

Terpenoid Results

6/13/2020

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-AR)
This method is not included in our ISO accreditation scope.

Analyte	%	mg/g	LOD mg/g	LOQ mg/g	Analyte	%	mg/g	LOD mg/g	LOQ mg/g
α -Bisabolol	NT	NT	NT	NT	Linalool	0.00922	0.0922	0.0264	0.0879
endo-Borneol	NT	NT	NT	NT	Menthol	NT	NT	NT	NT
Camphene	NT	NT	NT	NT	β -Myrcene	0.0108	0.108	0.0120	0.0398
Camphor	NT	NT	NT	NT	Nerol	NT	NT	NT	NT
3-Carene	NT	NT	NT	NT	cis-Nerolidol	NT	NT	NT	NT
Caryophyllene Oxide	ND	ND	0.0441	0.147	trans-Nerolidol	NT	NT	NT	NT
β -Caryophyllene	< LOQ	< LOQ	0.0233	0.0776	cis- β -Ocimene	NT	NT	NT	NT
α -Cedrene	NT	NT	NT	NT	trans- β -Ocimene	NT	NT	NT	NT
Cedrol	NT	NT	NT	NT	α -Phellandrene	NT	NT	NT	NT
Eucalyptol	NT	NT	NT	NT	α -Pinene	ND	ND	0.0134	0.0448
β -Farnesene	NT	NT	NT	NT	β -Pinene	ND	ND	0.0127	0.0424
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	α -Terpinene	NT	NT	NT	NT
Guaiol	NT	NT	NT	NT	γ -Terpinene	NT	NT	NT	NT
α -Humulene	< LOQ	< LOQ	0.0161	0.0538	Terpineol	NT	NT	NT	NT
Isoborneol	NT	NT	NT	NT	Terpinolene	ND	ND	0.0356	0.119
Isopulegol	NT	NT	NT	NT	Valencene	NT	NT	NT	NT
Limonene	0.00531	0.0531	0.00963	0.0321	Total	0.0254	0.254		

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

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CERTIFICATE OF ANALYSIS

Residual Pesticides Results

Pass

6/12/2020

Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry (LC-MSMS + GC-MSMS); SOP-070-AR + SOP-073-AR) - Limit units: ug/g = ppm

Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
Abamectin	Pass	ND	0.5	0.330	1.10	Imazail	Pass	ND	0.2	0.0425	0.142
Acephate	Pass	ND	0.4	0.0257	0.0856	Imidacloprid	Pass	ND	0.4	0.0200	0.0667
Acequinocyl	Pass	ND	2	0.368	1.23	Kresoxim-methyl	Pass	ND	0.4	0.0177	0.0591
Acetamiprid	Pass	ND	0.2	0.0259	0.0864	Malathion	Pass	ND	0.2	0.0123	0.0411
Aldicarb	Pass	ND	0.4	0.165	0.551	Metalaxyl	Pass	ND	0.2	0.0182	0.0605
Azoxystrobin	Pass	ND	0.2	0.0233	0.0778	Methiocarb	Pass	ND	0.2	0.0175	0.0583
Bifenazate	Pass	ND	0.2	0.0163	0.0543	Methomyl	Pass	ND	0.4	0.0262	0.0873
Bifenthrin	Pass	ND	0.2	0.131	0.437	Methyl Parathion	Pass	ND	0.2	0.0291	0.0855
Boscalid	Pass	ND	0.4	0.0416	0.139	MGK-264	Pass	ND	0.2	0.00388	0.00971
Carbaryl	Pass	ND	0.2	0.0156	0.0519	Myclobutanil	Pass	ND	0.2	0.0219	0.0731
Carbofuran	Pass	ND	0.2	0.0183	0.0609	Naled	Pass	ND	0.5	0.0392	0.131
Chlorantraniliprole	Pass	ND	0.2	0.0285	0.0950	Oxamyl	Pass	ND	1	0.0369	0.123
Chlorfenapyr	Pass	ND	1	0.0291	0.0855	Paclobutrazol	Pass	ND	0.4	0.0310	0.103
Chlorpyrifos	Pass	ND	0.2	0.0265	0.0882	Permethrins	Pass	ND	0.2	0.0272	0.0796
Clofentezine	Pass	ND	0.2	0.0365	0.122	Phosmet	Pass	ND	0.2	0.0274	0.0915
Cyfluthrin	Pass	ND	1	0.0447	0.130	Piperonyl Butoxide	Pass	ND	2	0.0180	0.0599
Cypermethrin	Pass	ND	1	0.0447	0.134	Prallethrin	Pass	ND	0.2	0.0595	0.198
Daminozide	Pass	ND	1	0.0534	0.178	Propiconazole	Pass	ND	0.4	0.0128	0.0427
Diazinon	Pass	ND	0.2	0.0189	0.0630	Propoxur	Pass	ND	0.2	0.0140	0.0468
DDVP (Dichlorvos)	Pass	ND	0.1	0.0249	0.0829	Pyrethrins	Pass	ND	1	0.0198	0.0661
Dimethoate	Pass	ND	0.2	0.0261	0.0871	Pyridaben	Pass	ND	0.2	0.0299	0.0997
Ethoprophos	Pass	ND	0.2	0.0254	0.0846	Spinosad	Pass	ND	0.2	0.0339	0.113
Etofenprox	Pass	ND	0.4	0.0359	0.120	Spiromesifen	Pass	ND	0.2	0.0294	0.0981
Etoxazole	Pass	ND	0.2	0.0290	0.0965	Spirotetramat	Pass	ND	0.2	0.0143	0.0477
Fenoxycarb	Pass	ND	0.2	0.0230	0.0768	Spiroxamine	Pass	ND	0.4	0.0437	0.146
Fenpyroximate	Pass	ND	0.4	0.0186	0.0619	Tebuconazole	Pass	ND	0.4	0.0130	0.0433
Fipronil	Pass	ND	0.4	0.0360	0.120	Thiacloprid	Pass	ND	0.2	0.0152	0.0508
Flonicamid	Pass	ND	1	0.0460	0.153	Thiamethoxam	Pass	ND	0.2	0.0153	0.0509
Fludioxonil	Pass	ND	0.4	0.0435	0.145	Trifloxystrobin	Pass	ND	0.2	0.0188	0.0626
Hexythiazox	Pass	ND	1	0.0191	0.0638						

Heavy Metals Results

Pass

6/17/2020

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

Analyte	Pass/Fail	µg/kg	Limit	LOD µg/kg	LOQ µg/kg
Arsenic	Pass	152	200	1.64	5.47
Cadmium	Pass	4.33	200	0.536	1.79
Lead	Pass	ND	500	1.42	4.74
Mercury	Pass	14.0	100	0.878	2.93

Microbial Impurities Results

Pass

6/12/2020

Microbiological screening utilizing 3M Petrifilm (SOP-700-AR) - Limit units: CFU/g

Analyte	Pass/Fail	Result	Limit	LOQ
Coliform	Pass	ND		Not Detected in 1 gram
General E. coli	NT	NT	NT	NT
Salmonella		NT	NT	NT

Moisture Results

NT

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

Analyte	Pass/Fail	%	Limit
Moisture	NT	NT	

Water Activity Results

NT

Water activity analysis utilizing Water Activity Meter (WAM; SOP-059-AR) - Limit units: Aw

Analyte	Pass/Fail	Aw	Limit
Water Activity	NT	NT	

Brandon Thornton
Pharm D. Co-Owner & CEO
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CERTIFICATE OF ANALYSIS

Residual Solvents Results

NT

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

Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
1-Butanol	NT	NT	NT	NT	NT	Dimethyl Sulfoxide	NT	NT	NT	NT	NT
1-Pentanol	NT	NT	NT	NT	NT	Ethanol	NT	NT	NT	NT	NT
1-Propanol	NT	NT	NT	NT	NT	Ethyl Acetate	NT	NT	NT	NT	NT
1,2-Dimethoxyethane	NT	NT	NT	NT	NT	Ethyl Ether	NT	NT	NT	NT	NT
1,4-Dioxane	NT	NT	NT	NT	NT	Ethylene Glycol	NT	NT	NT	NT	NT
2-Butanol	NT	NT	NT	NT	NT	Ethylene Oxide	NT	NT	NT	NT	NT
2-Butanone	NT	NT	NT	NT	NT	n-Heptane	NT	NT	NT	NT	NT
2-Ethoxyethanol	NT	NT	NT	NT	NT	n-Hexane	NT	NT	NT	NT	NT
2-Methylbutane	NT	NT	NT	NT	NT	Isopropyl Acetate	NT	NT	NT	NT	NT
2-Methylpentane	NT	NT	NT	NT	NT	Methanol	NT	NT	NT	NT	NT
2-Propanol (IPA)	NT	NT	NT	NT	NT	Methylpropane	NT	NT	NT	NT	NT
2,2-Dimethylbutane	NT	NT	NT	NT	NT	N,N-Dimethylacetamide	NT	NT	NT	NT	NT
2,3-Dimethylbutane	NT	NT	NT	NT	NT	N,N-Dimethylformamide	NT	NT	NT	NT	NT
3-Methylpentane	NT	NT	NT	NT	NT	n-Pentane	NT	NT	NT	NT	NT
Acetone	NT	NT	NT	NT	NT	Propane	NT	NT	NT	NT	NT
Acetonitrile	NT	NT	NT	NT	NT	Pyridine	NT	NT	NT	NT	NT
Benzene	NT	NT	NT	NT	NT	Sulfolane	NT	NT	NT	NT	NT
n-Butane	NT	NT	NT	NT	NT	Tetrahydrofuran	NT	NT	NT	NT	NT
Cumene	NT	NT	NT	NT	NT	Toluene	NT	NT	NT	NT	NT
Cyclohexane	NT	NT	NT	NT	NT	Xylenes	NT	NT	NT	NT	NT
Dichloromethane	NT	NT	NT	NT	NT						

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