



# Steep Hill Arkansas

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

## CERTIFICATE OF ANALYSIS

Sample Name: Formula Black  
 Steep Hill ID: AR90262  
 Batch ID: B343BLK  
 State ID:  
 Sample Type: Tincture  
 Date Received: 8/31/2020  
 Pkg. Volume: 30 mL  
 # of Servings: 30  
 Density: 1.01 g/mL

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

### Cannabinoid Results

9/1/2020

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

Analyte	%	mg/g	mg/pkg	mg/serv	LOD mg/g	LOQ mg/g
CBC	NT	NT	NT	NT	NT	NT
CBD	6.51	65.1	1967	65.6	0.00832	0.0277
CBDA	ND	ND	ND	ND	0.0227	0.0757
CBDV	NT	NT	NT	NT	NT	NT
CBG	NT	NT	NT	NT	NT	NT
CBGA	NT	NT	NT	NT	NT	NT
CBN	NT	NT	NT	NT	NT	NT
THC	ND	ND	ND	ND	0.0120	0.0401
delta-8-THC	NT	NT	NT	NT	NT	NT
THCA	ND	ND	ND	ND	0.0170	0.0568
THCV	NT	NT	NT	NT	NT	NT
Total	6.51	65.1	1967	65.6		

Total THC	Total CBD
Not Detected	6.51 %
Not Detected	65.1 mg/g
Not Detected	1967 mg/pkg
Not Detected	65.6 mg/serv

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

Brandon Thornton  
 Pharm D. Co-Owner & CEO  
 Date: 9/1/2020

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Sample Name: Formula Black  
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 Batch ID: B343BLK  
 State ID:  
 Sample Type: Tincture  
 Date Received: 8/21/2020  
 Pkg. Volume: 30 mL  
 # of Servings: 30  
 Density: 0.952 g/mL

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

### Heavy Metals Results

Pass

8/25/2020

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	5.77	200	1.66	5.54
Cadmium	Pass	< LOQ	200	0.543	1.81
Lead	Pass	13.0	500	1.44	4.80
Mercury	Pass	13.1	100	0.889	2.96

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

### Residual Pesticides Results

Pass 8/26/2020

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	0.227	0.757	Imazalil	Pass	ND	0.2	0.0292	0.0973
Acephate	Pass	ND	0.4	0.0177	0.0589	Imidacloprid	Pass	ND	0.4	0.0138	0.0458
Acequinocyl	Pass	ND	2	0.253	0.844	Kresoxim-methyl	Pass	ND	0.4	0.0122	0.0406
Acetamiprid	Pass	ND	0.2	0.0178	0.0594	Malathion	Pass	ND	0.2	0.00847	0.0282
Aldicarb	Pass	ND	0.4	0.114	0.379	Metalaxyl	Pass	ND	0.2	0.0125	0.0416
Azoxystrobin	Pass	ND	0.2	0.0161	0.0535	Methiocarb	Pass	ND	0.2	0.0120	0.0401
Bifenazate	Pass	ND	0.2	0.0112	0.0373	Methomyl	Pass	ND	0.4	0.0180	0.0600
Bifenthrin	Pass	ND	0.2	0.0902	0.301	Methyl Parathion	Pass	ND	0.2	0.0200	0.0588
Boscalid	Pass	ND	0.4	0.0286	0.0953	MGK-264	Pass	ND	0.2	0.00267	0.00668
Carbaryl	Pass	ND	0.2	0.0107	0.0357	Myclobutanil	Pass	ND	0.2	0.0151	0.0503
Carbofuran	Pass	ND	0.2	0.0126	0.0419	Naled	Pass	ND	0.5	0.0269	0.0898
Chlorantraniliprole	Pass	ND	0.2	0.0196	0.0653	Oxamyl	Pass	ND	1	0.0254	0.0847
Chlorfenapyr	Pass	ND	1	0.0200	0.0588	Paclobutrazol	Pass	ND	0.4	0.0213	0.0712
Chlorpyrifos	Pass	ND	0.2	0.0182	0.0606	Permethrins	Pass	ND	0.2	0.0187	0.0548
Clofentezine	Pass	ND	0.2	0.0251	0.0838	Phosmet	Pass	ND	0.2	0.0189	0.0629
Cyfluthrin	Pass	ND	1	0.0307	0.0895	Piperonyl Butoxide	Pass	ND	2	0.0124	0.0412
Cypermethrin	Pass	ND	1	0.0307	0.0922	Prallethrin	Pass	ND	0.2	0.0409	0.136
Daminozide	Pass	ND	1	0.0367	0.122	Propiconazole	Pass	ND	0.4	0.00880	0.0293
Diazinon	Pass	ND	0.2	0.0130	0.0433	Propoxur	Pass	ND	0.2	0.00966	0.0322
DDVP (Dichlorvos)	Pass	ND	0.1	0.0171	0.0570	Pyrethrins	Pass	ND	1	0.0136	0.0455
Dimethoate	Pass	ND	0.2	0.0180	0.0599	Pyridaben	Pass	ND	0.2	0.0206	0.0686
Ethoprophos	Pass	ND	0.2	0.0174	0.0582	Spinosad	Pass	ND	0.2	0.0233	0.0777
Etofenprox	Pass	ND	0.4	0.0247	0.0823	Spiromesifen	Pass	ND	0.2	0.0202	0.0675
Etoxazole	Pass	ND	0.2	0.0199	0.0664	Spirotetramat	Pass	ND	0.2	0.00984	0.0328
Fenoxycarb	Pass	ND	0.2	0.0158	0.0528	Spiroxamine	Pass	ND	0.4	0.0300	0.100
Fenpyroximate	Pass	ND	0.4	0.0128	0.0425	Tebuconazole	Pass	ND	0.4	0.00894	0.0298
Fipronil	Pass	ND	0.4	0.0248	0.0826	Thiacloprid	Pass	ND	0.2	0.0105	0.0350
Flonicamid	Pass	ND	1	0.0316	0.105	Thiamethoxam	Pass	ND	0.2	0.0105	0.0350
Fludioxonil	Pass	ND	0.4	0.0299	0.0998	Trifloxystrobin	Pass	ND	0.2	0.0129	0.0431
Hexythiazox	Pass	ND	1	0.0132	0.0439						

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

### Residual Solvents Results

Pass 8/27/2020

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	Pass	ND	5000	16.0	53.3	Dimethyl Sulfoxide	Pass	ND	5000	13.9	46.2
1-Pentanol	Pass	ND	5000	26.7	88.9	Ethanol	Pass	ND	5000	19.4	64.6
1-Propanol	Pass	ND	5000	39.9	133	Ethyl Acetate	Pass	ND	5000	6.97	23.2
1,2-Dimethoxyethane	Pass	ND	100	21.4	71.2	Ethyl Ether	Pass	ND	5000	2.45	8.16
1,4-Dioxane	Pass	ND	380	20.8	69.2	Ethylene Glycol	Pass	ND	620	2.29	7.63
2-Butanol	Pass	ND	5000	20.2	67.4	Ethylene Oxide	Pass	ND	50	1.61	5.37
2-Butanone	Pass	ND	5000	11.2	37.3	n-Heptane	Pass	ND	5000	8.84	29.5
2-Ethoxyethanol	Pass	ND	160	14.9	49.8	n-Hexane	Pass	ND	290	2.55	8.49
2-Methylbutane	Pass	ND	5000	1.92	6.41	Isopropyl Acetate	Pass	ND	5000	12.1	40.4
2-Methylpentane	Pass	ND	290	2.29	7.62	Methanol	Pass	ND	3000	8.68	28.9
2-Propanol (IPA)	Pass	ND	5000	28.4	92.0	Methylpropane	Pass	ND	5000	2.31	7.71
2,2-Dimethylbutane	Pass	ND	290	4.27	14.2	N,N-Dimethylacetamide	Pass	ND	1090	16.2	54.0
2,3-Dimethylbutane	Pass	ND	290	1.86	6.19	N,N-Dimethylformamide	Pass	ND	880	22.0	73.2
3-Methylpentane	Pass	ND	290	2.36	7.88	n-Pentane	Pass	23.4	5000	2.03	6.77
Acetone	Pass	ND	5000	44.8	149	Propane	Pass	ND	5000	2.30	7.66
Acetonitrile	Pass	ND	410	18.1	54.4	Pyridine	Pass	ND	200	13.4	44.6
Benzene	Pass	ND	2	0.408	1.36	Sulfolane	Pass	ND	160	8.08	26.9
n-Butane	Pass	ND	5000	1.83	6.11	Tetrahydrofuran	Pass	ND	720	9.44	31.5
Cumene	Pass	ND	70	7.95	26.5	Toluene	Pass	ND	890	21.1	70.3
Cyclohexane	Pass	ND	3880	4.86	16.2	Xylenes	Pass	ND	2170	29.1	96.9
Dichloromethane	Pass	ND	600	2.05	6.83						

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### Microbial Impurities Results

Pass

8/26/2020

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

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