

11711 HERMITAGE ROAD, SUITE #5
 LITTLE ROCK, AR 72211
 License #: BL157155
 Phone: 501-516-8028

Certificate of Analysis

Client Name: Soul CBD
Address:
Phone:
License Number:

Sample ID: AR40694
Sample Name: Big Brain
Sample Matrix: Capsule
Date Received: 12/14/2023
Batch ID: NO3148
State ID: 100173
Date Reported: 12/17/2023
Capsule Mass: 0.67
Package Mass: 19.774g
Servings: 30

Sample Result: PASS



Cannabinoids

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR) | Test ID: #228023 | Analyst: PD

Analyte	%	mg/g	mg/serving	mg/package	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.02	0.05
CBCA	ND	ND	ND	ND	0.02	0.07
CBD	3.773	37.731	24.87	746.104	0.02	0.06
CBDA	ND	ND	ND	ND	0.01	0.03
CBDV	0.008	0.081	0.054	1.612	0.01	0.03
CBDVA	ND	ND	ND	ND	0.02	0.05
CBG	ND	ND	ND	ND	0.01	0.02
CBGA	ND	ND	ND	ND	0.01	0.01
CBN	ND	ND	ND	ND	0.02	0.06
9-THC	ND	ND	ND	ND	0.04	0.12
delta-8-THC	ND	ND	ND	ND	0.07	0.23
THCA	ND	ND	ND	ND	0.04	0.11
THCV	ND	ND	ND	ND	0.01	0.04
THCVA	ND	ND	ND	ND	0.05	0.15

Total Cannabinoids				
	%	mg/g	mg/serving	mg/package
Total THC:	ND	ND	ND	ND
Total CBD:	3.773	37.731	24.87	746.104
Total Cannabinoids:	3.781	37.813	24.924	747.715



Sample ID: AR40694

Determination of Pass/Fail is based on RULES AND REGULATIONS GOVERNING MEDICAL MARIJUANA REGISTRATION, TESTING, AND LABELING IN ARKANSAS. Steep Hill Arkansas does not use Measurement Uncertainty when determining results. Measurement Uncertainty information is available upon request. These results only relate to the item tested and apply to the sample as received. This report should only be reproduced in its entirety.



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Residual Solvents

PASS

 Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-AR) - **Limit units: µg/g** | Test ID: #228027 | Analyst: PG

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
1-Butanol	PASS	ND	5000	87.267	290.890
1-Pentanol	PASS	ND	5000	87.267	290.890
1-Propanol	PASS	ND	5000	87.267	290.890
1,2-Dimethoxyethane	PASS	ND	100	5.847	19.490
1,4-Dioxane	PASS	ND	380	5.847	19.490
2-Butanol	PASS	ND	5000	87.267	290.890
2-Butanone	PASS	ND	5000	87.267	290.890
2-Ethoxyethanol	PASS	ND	160	11.694	38.979
2-Methylbutane	PASS	ND	5000	87.267	290.890
2-Methylpentane	PASS	ND	290	5.847	19.490
2-Propanol (IPA)	PASS	ND	5000	87.267	290.890
2,2-Dimethylbutane	PASS	ND	290	5.847	19.490
2,3-Dimethylbutane	PASS	ND	290	5.847	19.490
3-Methylpentane	PASS	ND	290	5.847	19.490
Acetone	PASS	ND	5000	87.267	290.890
Acetonitrile	PASS	ND	410	5.847	19.490
Benzene	PASS	ND	2	0.378	1.222
n-Butane	PASS	ND	5000	87.267	290.890
Cumene	PASS	ND	70	5.847	19.490
Cyclohexane	PASS	ND	3880	87.267	290.890
Dichloromethane	PASS	ND	600	10.734	35.779
Dimethyl Sulfoxide	PASS	ND	5000	87.267	290.890
Ethanol	PASS	ND	5000	87.267	290.890
Ethyl Acetate	PASS	ND	5000	87.267	290.890
Ethyl Ether	PASS	ND	5000	87.267	290.890
Ethylene Glycol	PASS	ND	620	42.266	140.907
Ethylene Oxide	PASS	ND	50	5.847	19.490
n-Heptane	PASS	ND	5000	87.267	290.890
n-Hexane	PASS	ND	290	5.847	19.490
Isopropyl Acetate	PASS	ND	5000	87.267	290.890
Methanol	PASS	ND	3000	87.267	290.890
Methylpropane	PASS	ND	5000	87.267	290.890
N,N-Dimethylacetamide	PASS	ND	1090	23.388	77.958
N,N-Dimethylformamide	PASS	ND	880	23.388	77.958
n-Pentane	PASS	ND	5000	87.267	290.890
Propane	PASS	ND	5000	87.267	290.890
Pyridine	PASS	ND	200	11.694	38.979
Sulfolane	PASS	ND	160	42.266	140.907
Tetrahydrofuran	PASS	ND	720	5.847	19.490
Toluene	PASS	ND	890	5.847	19.490
Xylenes	PASS	ND	2170	87.267	290.890



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Certificate of Analysis

Pesticides

PASS

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 | Test ID: #228026 | Analyst: PG

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
Abamectin	PASS	ND	0.500	0.036	0.119
Acephate	PASS	ND	0.400	0.025	0.085
Acequinocyl	PASS	ND	2.000	0.145	0.482
Acetamiprid	PASS	ND	0.200	0.026	0.086
Aldicarb	PASS	ND	0.400	0.018	0.060
Azoxystrobin	PASS	ND	0.200	0.023	0.077
Bifenazate	PASS	ND	0.200	0.016	0.054
Bifenthrin	PASS	ND	0.200	0.036	0.121
Boscalid	PASS	ND	0.400	0.041	0.137
Carbaryl	PASS	ND	0.200	0.015	0.051
Carbofuran	PASS	ND	0.200	0.018	0.060
Chlorantraniliprole	PASS	ND	0.200	0.028	0.094
Chlorfenapyr	PASS	ND	1.000	0.029	0.085
Chlorpyrifos	PASS	ND	0.200	0.026	0.087
Clofentezine	PASS	ND	0.200	0.036	0.121
Cyfluthrin	PASS	ND	1.000	0.044	0.129
Cypermethrin	PASS	ND	1.000	0.044	0.133
Daminozide	PASS	ND	1.000	0.053	0.176
Diazinon	PASS	ND	0.200	0.019	0.062
DDVP (Dichlorvos)	PASS	ND	0.100	0.025	0.082
Dimethoate	PASS	ND	0.200	0.026	0.084
Ethoprophos	PASS	ND	0.200	0.025	0.084
Etofenprox	PASS	ND	0.400	0.036	0.119
Etoazole	PASS	ND	0.200	0.029	0.096
Fenoxycarb	PASS	ND	0.200	0.023	0.076
Fenproxiimate	PASS	ND	0.400	0.018	0.061
Fipronil	PASS	ND	0.400	0.036	0.119
Flonicamid	PASS	ND	1.000	0.046	0.152
Fludioxonil	PASS	ND	0.400	0.043	0.144
Hexythiazox	PASS	ND	1.000	0.019	0.063
Imazalil	PASS	ND	0.200	0.042	0.140
Imidacloprid	PASS	ND	0.400	0.020	0.066
Kresoxim-methyl	PASS	ND	0.400	0.018	0.059
Malathion	PASS	ND	0.200	0.012	0.041
Metalaxyl	PASS	ND	0.200	0.018	0.060
Methiocarb	PASS	ND	0.200	0.017	0.058
Methomyl	PASS	ND	0.400	0.026	0.087
Methyl parathion	PASS	ND	0.200	0.029	0.085
MGK-264	PASS	ND	0.200	0.009	0.030
Myclobutanil	PASS	ND	0.200	0.022	0.072
Naled	PASS	ND	0.500	0.039	0.129
Oxamyl	PASS	ND	1.000	0.037	0.122
Pacllobutrazol	PASS	ND	0.400	0.031	0.103
Permethrins	PASS	ND	0.200	0.027	0.079
Phosmet	PASS	ND	0.200	0.027	0.091
Piperonyl Butoxide	PASS	ND	2.000	0.018	0.059
Prallethrin	PASS	ND	0.200	0.018	0.060
Propiconazole	PASS	ND	0.400	0.013	0.042
Propoxur	PASS	ND	0.200	0.014	0.046
Pyrethrins	PASS	ND	1.000	0.059	0.197
Pyridaben	PASS	ND	0.200	0.030	0.099
Spinosad	PASS	ND	0.200	0.034	0.112
Spiromesifen	PASS	ND	0.200	0.029	0.097
Spirotetramat	PASS	ND	0.200	0.014	0.047
Spiroxamine	PASS	ND	0.400	0.043	0.144
Tebuconazole	PASS	ND	0.400	0.013	0.043
Thiacloprid	PASS	ND	0.200	0.015	0.050
Thiamethoxam	PASS	ND	0.200	0.015	0.050
Trifloxystrobin	PASS	ND	0.200	0.019	0.062



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Heavy Metals PASS

 Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-AR) - **Limit units: µg/kg** | Test ID: #228024 | Analyst: PG

Analyte	Pass/Fail	Result (ug/kg)	Limit	LOD (ug/kg)	LOQ (ug/kg)
Arsenic	PASS	125.901	200	9.438	30.201
Cadmium	PASS	< LOQ	200	9.438	30.201
Lead	PASS	203.228	500	22.651	75.503
Mercury	PASS	ND	100	3.775	15.101

Microbials PASS

 Microbiological screening utilizing 3M Petrifilm (SOP-700-AR) - **Limit units: CFU/g** | Test ID: #228025 | Analyst: PG

Analyte	Pass/Fail	Result	Limit	LOQ
Coliform	PASS	ND	>0	7.519
General E. Coli	NT	NT	NT	NT



Brandon Thornton
 Pharm D. Co-Owner & CEO
 Date: 12/17/2023



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