

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

Certificate of Analysis

Sample Result: PASS



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

Sample ID: AR47926
Sample Name: Big Brain Gummy (no caffeine)
Sample Matrix: Edible
Date Received: 5/17/2024
Batch ID: N03542
State ID: 100320
Date Reported: 5/23/2024
Package Mass: 129.45 g / 4.566 oz
Servings: 30

Cannabinoids

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

Analyte	%	mg/g	mg/serv	mg/pkg	LOD (mg/serv)	LOQ (mg/serv)
CBC	ND	ND	ND	ND	0.1	1.0
CBCA	ND	ND	ND	ND	0.1	1.0
CBD	ND	ND	ND	ND	0.1	1.0
CBDA	ND	ND	ND	ND	0.1	1.0
CBDV	ND	ND	ND	ND	0.1	1.0
CBDVA	ND	ND	ND	ND	0.1	1.0
CBG	ND	ND	ND	ND	0.1	1.0
CBGA	ND	ND	ND	ND	0.1	1.0
CBN	ND	ND	ND	ND	0.1	1.0
9-THC	ND	ND	ND	ND	0.1	1.0
delta-8-THC	ND	ND	ND	ND	0.1	1.0
THCA	ND	ND	ND	ND	0.1	1.0
THCV	ND	ND	ND	ND	0.1	1.0
THCVA	ND	ND	ND	ND	0.1	1.0
Total THC	ND	ND	ND	ND		
Total CBD	ND	ND	ND	ND		
Total Cannabinoids	ND	ND	ND	ND		



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Determination of Pass/Fail is based on RULES AND REGULATIONS GOVERNING MEDICAL MARIJUANA REGISTRATION, TESTING, AND LABELING IN ARKANSAS. When applicable, Steep Hill Arkansas may 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 shall only be reproduced in its entirety.



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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: $\mu\text{g/g} = \text{ppm}$ | Analyst: PG

Analyte	Pass/Fail	$\mu\text{g/g}$	Limit	LOD ($\mu\text{g/g}$)	LOQ ($\mu\text{g/g}$)
Abamectin	PASS	ND	0.5	0.03	0.11
Acephate	PASS	ND	0.4	0.02	0.08
Acequinocyl	PASS	ND	2.0	0.14	0.46
Acetamiprid	PASS	ND	0.2	0.03	0.08
Aldicarb	PASS	ND	0.4	0.02	0.06
Azoxystrobin	PASS	ND	0.2	0.02	0.07
Bifenazate	PASS	ND	0.2	0.01	0.05
Bifenthrin	PASS	ND	0.2	0.04	0.12
Boscalid	PASS	ND	0.4	0.04	0.13
Carbaryl	PASS	ND	0.2	0.01	0.05
Carbofuran	PASS	ND	0.2	0.02	0.06
Chlorantraniliprole	PASS	ND	0.2	0.03	0.09
Chlorfenapyr	PASS	ND	1.0	0.03	0.08
Chlorpyrifos	PASS	ND	0.2	0.03	0.08
Clofentezine	PASS	ND	0.2	0.04	0.12
Cyfluthrin	PASS	ND	1.0	0.04	0.12
Cypermethrin	PASS	ND	1.0	0.04	0.13
Daminozide	PASS	ND	1.0	0.05	0.17
Diazinon	PASS	ND	0.2	0.02	0.06
DDVP (Dichlorvos)	PASS	ND	0.1	0.02	0.08
Dimethoate	PASS	ND	0.2	0.03	0.08
Ethoprophos	PASS	ND	0.2	0.02	0.08
Etofenprox	PASS	ND	0.4	0.03	0.11
Etoxazole	PASS	ND	0.2	0.03	0.09
Fenoxycarb	PASS	ND	0.2	0.02	0.07
Fenpyroximate	PASS	ND	0.4	0.02	0.06
Fipronil	PASS	ND	0.4	0.03	0.11
Fonicamid	PASS	ND	1.0	0.04	0.14
Fludioxonil	PASS	ND	0.4	0.04	0.14
Hexythiazox	PASS	ND	1.0	0.02	0.06
Imazalil	PASS	ND	0.2	0.04	0.13
Imidacloprid	PASS	ND	0.4	0.02	0.06
Kresoxim-methyl	PASS	ND	0.4	0.02	0.06
Malathion	PASS	ND	0.2	0.01	0.04
Metalaxyl	PASS	ND	0.2	0.02	0.06
Methiocarb	PASS	ND	0.2	0.02	0.06
Methomyl	PASS	ND	0.4	0.03	0.08
Methyl parathion	PASS	ND	0.2	0.03	0.08
MGK-264	PASS	ND	0.2	0.01	0.03
Myclobutanil	PASS	ND	0.2	0.02	0.07
Naled	PASS	ND	0.5	0.04	0.12
Oxamyl	PASS	ND	1.0	0.04	0.12
Paclobutrazol	PASS	ND	0.4	0.03	0.1
Permethrins	PASS	ND	0.2	0.03	0.07
Phosmet	PASS	ND	0.2	0.03	0.09
Piperonyl Butoxide	PASS	ND	2.0	0.02	0.06
Prallethrin	PASS	ND	0.2	0.02	0.06
Propiconazole	PASS	ND	0.4	0.01	0.04
Propoxur	PASS	ND	0.2	0.01	0.04
Pyrethrins	PASS	ND	1.0	0.06	0.19
Pyridaben	PASS	ND	0.2	0.03	0.09
Spinosad	PASS	ND	0.2	0.03	0.11
Spiromesifen	PASS	ND	0.2	0.03	0.09
Spirotetramat	PASS	ND	0.2	0.01	0.04
Spiroxamine	PASS	ND	0.4	0.04	0.14
Tebuconazole	PASS	ND	0.4	0.01	0.04
Thiacloprid	PASS	ND	0.2	0.01	0.05
Thiamethoxam	PASS	ND	0.2	0.01	0.05
Trifloxystrobin	PASS	ND	0.2	0.02	0.06



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Certificate of Analysis

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** | Analyst: PG

Analyte	Pass/Fail	µg/g	Limit	LOD (µg/g)	LOQ (µg/g)
1-Butanol	PASS	ND	5000	62	207
1-Pentanol	PASS	ND	5000	62	207
1-Propanol	PASS	ND	5000	62	207
1,2-Dimethoxyethane	PASS	ND	100	4	14
1,4-Dioxane	PASS	ND	380	4	14
2-Butanol	PASS	ND	5000	62	207
2-Butanone	PASS	ND	5000	62	207
2-Ethoxyethanol	PASS	ND	160	8	28
2-Methylbutane	PASS	ND	5000	62	207
2-Methylpentane	PASS	ND	290	4	14
2-Propanol (IPA)	PASS	ND	5000	62	207
2,2-Dimethylbutane	PASS	ND	290	4	14
2,3-Dimethylbutane	PASS	ND	290	4	14
3-Methylpentane	PASS	ND	290	4	14
Acetone	PASS	ND	5000	62	207
Acetonitrile	PASS	ND	410	4	14
Benzene	PASS	ND	2	0.3	0.9
n-Butane	PASS	ND	5000	62	207
Cumene	PASS	ND	70	4	14
Cyclohexane	PASS	ND	3880	62	207
Dichloromethane	PASS	ND	600	8	25
Dimethyl Sulfoxide	PASS	ND	5000	62	207
Ethanol	PASS	ND	5000	62	207
Ethyl Acetate	PASS	ND	5000	62	207
Ethyl Ether	PASS	ND	5000	62	207
Ethylene Glycol	PASS	ND	620	30	100
Ethylene Oxide	PASS	ND	50	4	14
n-Heptane	PASS	ND	5000	62	207
n-Hexane	PASS	ND	290	4	14
Isopropyl Acetate	PASS	ND	5000	62	207
Methanol	PASS	ND	3000	62	207
Methylpropane	PASS	ND	5000	62	207
N,N-Dimethylacetamide	PASS	ND	1090	17	56
N,N-Dimethylformamide	PASS	ND	880	17	56
n-Pentane	PASS	ND	5000	62	207
Propane	PASS	ND	5000	62	207
Pyridine	PASS	ND	200	8	28
Sulfolane	PASS	ND	160	30	100
Tetrahydrofuran	PASS	ND	720	4	14
Toluene	PASS	ND	890	4	14
Xylenes	PASS	ND	2170	62	207



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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** | Analyst: PD

Analyte	Pass/Fail	ug/kg	Limit	LOD (ug/kg)	LOQ (ug/kg)
Arsenic	PASS	< LOQ	200	10	33
Cadmium	PASS	ND	200	10	33
Lead	PASS	ND	500	24	81
Mercury	PASS	ND	100	4	16

Microbials PASS

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

Analyte	Pass/Fail	CFU/g	Limit	LOQ
Coliform	PASS	ND	>0	8
General E. Coli	NT	NT	NT	NT



 Brandon Thornton
 Pharm D. Co-Owner & CEO
 Date: 5/23/2024



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