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

Certificate of Analysis

Client Name: The Releaf Center
Address: 9400 East McNelly Road Bentonville, AR 72712
Phone: 479-236-5633
License Number: 00189G

Sample ID: AR8977
Sample Name: Chiesel
Sample Matrix: Flower
Date Received: 2/10/2022
Batch ID: M00189G00131091465
State ID: 8759014
Date Reported: 2/14/2022

Sample Result: PASS

Cannabinoids

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR) | Test ID: #53174

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	< LOQ	< LOQ	< LOQ	< LOQ	0.03	0.09
CBD	ND	ND	ND	ND	0.15	0.45
CBDA	0.036	0.36	0.032	0.318	0.05	0.14
CBDV	ND	ND	ND	ND	0.06	0.19
CBG	0.086	0.86	0.076	0.762	0.11	0.33
CBGA	1.306	13.06	1.163	11.626	0.06	0.18
CBN	ND	ND	ND	ND	0.07	0.22
9-THC	0.242	2.42	0.216	2.157	0.16	0.48
delta-8-THC	ND	ND	ND	ND	0.04	0.12
THCA	27.239	272.39	24.254	242.535	0.10	0.31
THCV	ND	ND	ND	ND	0.06	0.19

Total Cannabinoids

	% (Dry)	mg/g (Dry)	%	mg/g
Total THC:	24.131	241.308	21.486	214.861
Total CBD:	0.031	0.314	0.028	0.279
Total Cannabinoids:	28.908	289.081	25.74	257.398

Moisture — PASS

Moisture content analysis utilizing Moisture Balance (MB; SOP-055-AR) | Test ID: #53175

Analyte	Pass/Fail	Result (%)	Limit
Moisture	PASS	10.96	15

Water Activity — PASS

Water activity analysis utilizing Water Activity Meter (WAM; SOP-059-AR) - **Limit units: Aw** | Test ID: #53176

Analyte	Pass/Fail	Result (Aw)	Limit
Water Activity	PASS	0.498	0.65

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.

PJLA Testing
Accreditation # 97338

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Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-AR) This method is not included in our ISO accreditation scope. | Test ID: #53177

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
α-Pinene	0.09	0.904	0.012	0.039
β-Pinene	0.13	1.303	0.011	0.037
β-myrcene	0.223	2.233	0.011	0.035
Limonene	0.862	8.624	0.008	0.028
Terpinolene	0.012	0.116	0.031	0.104
Linalool	0.184	1.839	0.023	0.077
β-Caryophyllene	0.78	7.796	0.020	0.068
α-Humulene	0.349	3.492	0.014	0.047
Caryophyllene Oxide	< LOQ	< LOQ	0.039	0.129

Total Terpenes	
%	mg/g
2.631	26.31

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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: #53180

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
Abamectin	PASS	ND	0.500	0.033	0.109
Acephate	PASS	ND	0.400	0.023	0.078
Acequinocyl	PASS	ND	2.000	0.133	0.441
Acetamiprid	PASS	ND	0.200	0.024	0.079
Aldicarb	PASS	ND	0.400	0.016	0.055
Azoxystrobin	PASS	ND	0.200	0.021	0.071
Bifenazate	PASS	ND	0.200	0.015	0.049
Bifenthrin	PASS	ND	0.200	0.033	0.111
Boscalid	PASS	ND	0.400	0.038	0.126
Carbaryl	PASS	ND	0.200	0.014	0.047
Carbofuran	PASS	ND	0.200	0.017	0.055
Chlorantraniliprole	PASS	ND	0.200	0.026	0.086
Chlorfenapyr	PASS	ND	1.000	0.026	0.078
Chlorpyrifos	PASS	ND	0.200	0.024	0.080
Clofentezine	PASS	ND	0.200	0.033	0.111
Cyfluthrin	PASS	ND	1.000	0.041	0.118
Cypermethrin	PASS	ND	1.000	0.041	0.122
Daminozide	PASS	ND	1.000	0.048	0.162
Diazinon	PASS	ND	0.200	0.017	0.057
DDVP (Dichlorvos)	PASS	ND	0.100	0.023	0.075
Dimethoate	PASS	ND	0.200	0.024	0.077
Ethoprophos	PASS	ND	0.200	0.023	0.077
Etofenprox	PASS	ND	0.400	0.033	0.109
Etoxazole	PASS	ND	0.200	0.026	0.088
Fenoxycarb	PASS	ND	0.200	0.021	0.070
Fenpyroximate	PASS	ND	0.400	0.017	0.056
Fipronil	PASS	ND	0.400	0.033	0.109
Flonicamid	PASS	ND	1.000	0.042	0.139
Fludioxonil	PASS	ND	0.400	0.040	0.132
Hexythiazox	PASS	ND	1.000	0.017	0.058
Imazalil	PASS	ND	0.200	0.039	0.129
Imidacloprid	PASS	ND	0.400	0.018	0.061
Kresoxim-methyl	PASS	ND	0.400	0.016	0.054
Malathion	PASS	ND	0.200	0.011	0.037
Metalaxyl	PASS	ND	0.200	0.017	0.055
Methiocarb	PASS	ND	0.200	0.016	0.053
Methomyl	PASS	ND	0.400	0.024	0.079
Methyl parathion	PASS	ND	0.200	0.026	0.078
MGK-264	PASS	ND	0.200	0.008	0.028
Myclobutanil	PASS	ND	0.200	0.020	0.066
Naled	PASS	ND	0.500	0.036	0.119
Oxamyl	PASS	ND	1.000	0.034	0.112
Paclobutrazol	PASS	ND	0.400	0.028	0.094
Permethrins	PASS	ND	0.200	0.025	0.072
Phosmet	PASS	ND	0.200	0.025	0.083
Piperonyl Butoxide	PASS	ND	2.000	0.016	0.054
Prallethrin	PASS	ND	0.200	0.016	0.055
Propiconazole	PASS	ND	0.400	0.012	0.039
Propoxur	PASS	ND	0.200	0.013	0.043
Pyrethrins	PASS	ND	1.000	0.054	0.180
Pyridaben	PASS	ND	0.200	0.027	0.091
Spinosad	PASS	ND	0.200	0.031	0.103
Spiromesifen	PASS	ND	0.200	0.027	0.089
Spirotetramat	PASS	ND	0.200	0.013	0.043
Spiroxamine	PASS	ND	0.400	0.040	0.132
Tebuconazole	PASS	ND	0.400	0.012	0.039
Thiacloprid	PASS	ND	0.200	0.014	0.046
Thiamethoxam	PASS	ND	0.200	0.014	0.046
Trifloxystrobin	PASS	ND	0.200	0.017	0.057

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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: #53179

Analyte	Pass/Fail	Result (ug/kg)	Limit	LOD (ug/kg)	LOQ (ug/kg)
Arsenic	PASS	< LOQ	200	9.823	31.434
Cadmium	PASS	ND	200	9.823	31.434
Lead	PASS	ND	500	23.576	78.585
Mercury	PASS	< LOQ	100	3.929	15.717

Microbials — PASS

Microbiological screening utilizing 3M Petrifilm (SOP-700-AR) **- Limit units: CFU/g** | Test ID: #53178

Analyte	Pass/Fail	Result	Limit	LOQ
Coliform	PASS	ND	>0	7.843
General E. Coli	NT	NT	NT	NT

Brandon Thornton
Pharm D. Co-Owner & CEO
Date: 2/14/2022

Sample ID: AR8977

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