

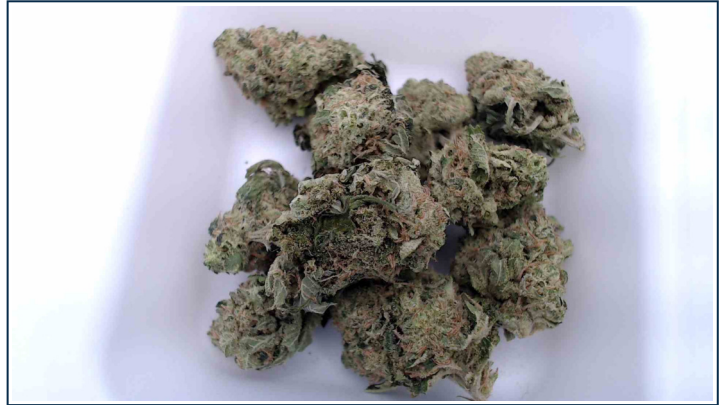
11711 HERMITAGE ROAD, SUITE #5  
 LITTLE ROCK, AR 72211  
 License #: BL157155  
 Phone: 501-516-8028

# 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:** AR8735  
**Sample Name:** White Widow  
**Sample Matrix:** Flower  
**Date Received:** 2/2/2022  
**Batch ID:** M00189G00139976106  
**State ID:** 7050  
**Date Reported:** 2/6/2022

## Sample Result: PASS



### Cannabinoids

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR) | Test ID: #51732

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	0.46
CBDA	0.021	0.21	0.019	0.187	0.05	0.15
CBDV	ND	ND	ND	ND	0.06	0.19
CBG	0.11	1.1	0.096	0.964	0.11	0.33
CBGA	0.76	7.6	0.669	6.686	0.06	0.18
CBN	ND	ND	ND	ND	0.07	0.23
9-THC	0.496	4.96	0.436	4.362	0.17	0.49
delta-8-THC	ND	ND	ND	ND	0.04	0.12
THCA	20.579	205.79	18.107	181.071	0.10	0.31
THCV	ND	ND	ND	ND	0.06	0.20

Total Cannabinoids				
	% (Dry)	mg/g (Dry)	%	mg/g
Total THC:	18.543	185.431	16.316	163.161
Total CBD:	0.019	0.187	0.016	0.164
Total Cannabinoids:	21.965	219.649	19.327	193.269

### Moisture PASS

Moisture content analysis utilizing Moisture Balance (MB; SOP-055-AR) | Test ID: #51733

Analyte	Pass/Fail	Result (%)	Limit
Moisture	PASS	12.01	15

### Water Activity PASS

Water activity analysis utilizing Water Activity Meter (WAM; SOP-059-AR) - Limit units: Aw | Test ID: #51734

Analyte	Pass/Fail	Result (Aw)	Limit
Water Activity	PASS	0.560	0.65



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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: #51735

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
α-Pinene	0.091	0.912	0.013	0.044
β-Pinene	0.119	1.194	0.012	0.041
β-myrcene	0.297	2.967	0.012	0.039
Limonene	0.284	2.845	0.009	0.031
Terpinolene	1.119	11.195	0.035	0.116
Linalool	< LOQ	< LOQ	0.026	0.086
β-Caryophyllene	0.19	1.897	0.023	0.076
α-Humulene	0.053	0.534	0.016	0.053
Caryophyllene Oxide	0.047	0.468	0.043	0.144

Total Terpenes	
%	mg/g
2.201	22.01



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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.



Accreditation # 97338

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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: #51738

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
Abamectin	PASS	ND	0.500	0.034	0.114
Acephate	PASS	ND	0.400	0.024	0.081
Acequinocyl	PASS	ND	2.000	0.139	0.461
Acetamiprid	PASS	ND	0.200	0.025	0.082
Aldicarb	PASS	ND	0.400	0.017	0.057
Azoxystrobin	PASS	ND	0.200	0.022	0.074
Bifenazate	PASS	ND	0.200	0.015	0.052
Bifenthrin	PASS	ND	0.200	0.035	0.116
Boscalid	PASS	ND	0.400	0.040	0.132
Carbaryl	PASS	ND	0.200	0.015	0.049
Carbofuran	PASS	ND	0.200	0.017	0.058
Chlorantraniliprole	PASS	ND	0.200	0.027	0.090
Chlorfenapyr	PASS	ND	1.000	0.028	0.081
Chlorpyrifos	PASS	ND	0.200	0.025	0.084
Clofentezine	PASS	ND	0.200	0.035	0.116
Cyfluthrin	PASS	ND	1.000	0.042	0.124
Cypermethrin	PASS	ND	1.000	0.042	0.127
Daminozide	PASS	ND	1.000	0.051	0.169
Diazinon	PASS	ND	0.200	0.018	0.060
DDVP (Dichlorvos)	PASS	ND	0.100	0.024	0.079
Dimethoate	PASS	ND	0.200	0.025	0.080
Ethoprophos	PASS	ND	0.200	0.024	0.080
Etofenprox	PASS	ND	0.400	0.034	0.114
Etoazole	PASS	ND	0.200	0.028	0.092
Fenoxycarb	PASS	ND	0.200	0.022	0.073
Fenpyroximate	PASS	ND	0.400	0.018	0.059
Fipronil	PASS	ND	0.400	0.034	0.114
Flonicamid	PASS	ND	1.000	0.044	0.146
Fludioxonil	PASS	ND	0.400	0.041	0.138
Hexythiazox	PASS	ND	1.000	0.018	0.061
Imazalil	PASS	ND	0.200	0.040	0.134
Imidacloprid	PASS	ND	0.400	0.019	0.063
Kresoxim-methyl	PASS	ND	0.400	0.017	0.056
Malathion	PASS	ND	0.200	0.012	0.039
Metalaxyl	PASS	ND	0.200	0.017	0.058
Methiocarb	PASS	ND	0.200	0.017	0.055
Methomyl	PASS	ND	0.400	0.025	0.083
Methyl parathion	PASS	ND	0.200	0.028	0.081
MGK-264	PASS	ND	0.200	0.009	0.029
Myclobutanil	PASS	ND	0.200	0.021	0.069
Naled	PASS	ND	0.500	0.037	0.124
Oxamyl	PASS	ND	1.000	0.035	0.117
Pacllobutrazol	PASS	ND	0.400	0.029	0.098
Permethrins	PASS	ND	0.200	0.026	0.076
Phosmet	PASS	ND	0.200	0.026	0.087
Piperonyl Butoxide	PASS	ND	2.000	0.017	0.057
Prallethrin	PASS	ND	0.200	0.017	0.057
Propiconazole	PASS	ND	0.400	0.012	0.041
Propoxur	PASS	ND	0.200	0.013	0.044
Pyrethrins	PASS	ND	1.000	0.057	0.189
Pyridaben	PASS	ND	0.200	0.028	0.095
Spinosad	PASS	ND	0.200	0.032	0.107
Spiromesifen	PASS	ND	0.200	0.028	0.093
Spirotetramat	PASS	ND	0.200	0.014	0.045
Spiroxamine	PASS	ND	0.400	0.042	0.138
Tebuconazole	PASS	ND	0.400	0.012	0.041
Thiacloprid	PASS	ND	0.200	0.014	0.048
Thiamethoxam	PASS	ND	0.200	0.015	0.048
Trifloxystrobin	PASS	ND	0.200	0.018	0.060



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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: #51737

Analyte	Pass/Fail	Result (ug/kg)	Limit	LOD (ug/kg)	LOQ (ug/kg)
Arsenic	PASS	< LOQ	200	8.669	27.739
Cadmium	PASS	< LOQ	200	8.669	27.739
Lead	PASS	ND	500	20.804	69.348
Mercury	PASS	ND	100	3.467	13.870

## Microbials PASS

 Microbiological screening utilizing 3M Petrifilm (SOP-700-AR) - **Limit units: CFU/g** | Test ID: #51736

Analyte	Pass/Fail	Result	Limit	LOQ
Coliform	PASS	ND	>0	8,249
General E. Coli	NT	NT	NT	NT




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Brandon Thornton  
 Pharm D. Co-Owner & CEO  
 Date: 2/6/2022



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