



License No. 800025015  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

## Compliance Test

**Pinnacle Hemp**  
2231 Missouri Ave  
Carthage, MO 64836

Batch # 15  
Batch Date: 2021-06-16  
Extracted From: CBD

Test Reg State: Oregon

Order # PIN210616-200031  
Order Date: 2021-06-16  
Sample # AABM685

Sampling Date: 2021-06-20  
Lab Batch Date: 2021-06-20  
Completion Date: 2021-06-28

Initial Gross Weight: 21.845 g  
Net Weight: 2.948 g

Number of Units: 3  
Net Weight per Unit: 982.667 mg



Product Image

Potency  
Tested

Terpenes  
Tested

### Delta 8/Delta 10 Potency

#### 12

Specimen Weight: 49.060 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	1000.000	0.000026	0.001	689.750	68.975
CBD	1000.000	0.000054	0.001	4.730	0.473
Delta-9 THC	1000.000	0.000013	0.001	<LOQ	<LOQ
CBC	1000.000	0.000018	0.001	<LOQ	<LOQ
Delta-10 THC	1000.000	0.000003	0.001	<LOQ	<LOQ
THCV	1000.000	0.000007	0.001	<LOQ	<LOQ
THCA-A	1000.000	0.000032	0.001	<LOQ	<LOQ
CBN	1000.000	0.000014	0.001	<LOQ	<LOQ
CBGA	1000.000	0.00008	0.001	<LOQ	<LOQ
CBG	1000.000	0.000248	0.001	<LOQ	<LOQ
CBDV	1000.000	0.000065	0.001	<LOQ	<LOQ
CBDa	1000.000	0.00001	0.001	<LOQ	<LOQ

Tested  
(LCUV)

### Potency Summary

<b>Total Delta 8</b> 68.975%	677.794mg	<b>Total Delta 10</b> None Detected
<b>Total THC</b> None Detected		<b>Total CBD</b> 4.473%
<b>Total CBG</b> None Detected		<b>Total CBN</b> None Detected
<b>Other Cannabinoids</b> None Detected		<b>Total Cannabinoids</b> 69.448%
		682.442mg

### Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	17.698	1.77%
alpha-Bisabolol	6.314	0.631%
alpha-Humulene	5.157	0.516%
beta-Myrcene	5.121	0.512%
(R)-(+)-Limonene	4.252	0.425%
Valencene	4.041	0.404%
trans-Nerolidol	1.759	0.176%
alpha-Pinene	1.617	0.162%
Linalool	1.561	0.156%
Terpineol	1.486	0.149%
beta-Pinene	1.351	0.135%
Fenchyl Alcohol	1.267	0.127%
Ocimene	0.851	0.085%

**Total Terpenes: 5.248%**

Detailed Terpenes Analysis is on the following page

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Other Cannabinoids Total = CBC + CBDV + THCV + THCVA, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCVA, \*Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, \*Measurement of Uncertainty = +/- 5%

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 2231 Missouri Ave  
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Test Reg State: Oregon

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Sampling Date: 2021-06-20  
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 Completion Date: 2021-06-28

Initial Gross Weight: 21.845 g  
 Net Weight: 2.948 g

Number of Units: 3  
 Net Weight per Unit: 982.667 mg



## Terpenes - FL

Specimen Weight: 161.360 mg

Tested  
 (GC/GCMS)

Dilution Factor: 1000.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	17.698	1.770	alpha-Bisabolol	0.02	6.314	0.631
alpha-Humulene	0.02	5.157	0.516	beta-Myrcene	0.02	5.121	0.512
(R)-(+)-Limonene	0.02	4.252	0.425	Valencene	0.02	4.041	0.404
trans-Nerolidol	0.02	1.759	0.176	alpha-Pinene	0.02	1.617	0.162
Linalool	0.02	1.561	0.156	Terpineol	0.02	1.486	0.149
beta-Pinene	0.02	1.351	0.135	Fenchyl Alcohol	0.02	1.267	0.127
Ocimene	0.014	0.851	0.085	Isoborneol	0.02	<LOQ	<LOQ
Isopulegol	0.02	<LOQ	<LOQ	Pulegone	0.02	<LOQ	<LOQ
Nerol	0.02	<LOQ	<LOQ	Terpinolene	0.02	<LOQ	<LOQ
Sabinene	0.02	<LOQ	<LOQ	Guaiol	0.02	<LOQ	<LOQ
Sabinene Hydrate	0.02	<LOQ	<LOQ	Hexahydrothymol	0.02	<LOQ	<LOQ
(+)-Cedrol	0.02	<LOQ	<LOQ	Geranyl acetate	0.02	<LOQ	<LOQ
Borneol	0.04	<LOQ	<LOQ	3-Carene	0.02	<LOQ	<LOQ
alpha-Cedrene	0.02	<LOQ	<LOQ	alpha-Phellandrene	0.02	<LOQ	<LOQ
alpha-Terpinene	0.02	<LOQ	<LOQ	Camphene	0.02	<LOQ	<LOQ
Geraniol	0.02	<LOQ	<LOQ	Camphors	0.04	<LOQ	<LOQ
Caryophyllene oxide	0.02	<LOQ	<LOQ	cis-Nerolidol	0.02	<LOQ	<LOQ
Eucalyptol	0.02	<LOQ	<LOQ	Farnesene	0.02	<LOQ	<LOQ
Gamma-Terpinene	0.02	<LOQ	<LOQ	Fenchone	0.02	<LOQ	<LOQ

Total Terpenes: 5.248%

*Xueli Gao*  
 Xueli Gao Lab Toxicologist  
 Ph.D., DABT

*Aixia Sun*  
 Aixia Sun Lab Director/Principal Scientist  
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