



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

Production Facility: Pinnacle Hemp  
Production Date: 2021-06-16

Order # PIN210616-200031  
Order Date: 2021-06-16  
Sample # AABM682

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

Initial Gross Weight: 21.828 g  
Net Weight: 2.946 g

Number of Units: 3  
Net Weight per Unit: 982.000 mg



Product Image



### Delta 8/Delta 10 Potency

#### 12

Tested (LCUV)

Specimen Weight: 48.410 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	1000.000	0.000026	0.001	689.280	68.928
CBD	1000.000	0.000054	0.001	4.830	0.483
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

### Potency Summary

<b>Total Delta 8</b> 68.928%	676.873mg	<b>Total Delta 10</b> None Detected
<b>Total THC</b> None Detected		<b>Total CBD</b> 4.743mg
<b>Total CBG</b> None Detected		<b>Total CBN</b> None Detected
<b>Other Cannabinoids</b> None Detected		<b>Total Cannabinoids</b> 69.411%
		681.616mg

### Terpenes Summary

Analyte	Result (mg/g)	(%)
beta-Myrcene	12.065	1.207%
trans-Caryophyllene	11.89	1.189%
alpha-Pinene	4.875	0.488%
Farnesene	4.17	0.417%
alpha-Humulene	3.268	0.327%
alpha-Bisabolol	2.849	0.285%
(R)-(+)-Limonene	2.307	0.231%
beta-Pinene	2.126	0.213%
trans-Nerolidol	1.502	0.15%
Linalool	1.238	0.124%

**Total Terpenes: 4.631%**

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 + THCV-A, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, \*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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Number of Units: 3  
Net Weight per Unit: 982.000 mg



## Terpenes - FL

Specimen Weight: 165.450 mg

Tested  
(GC/GCMS)

Dilution Factor: 1000.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
beta-Myrcene	0.02	12.065	1.207	trans-Caryophyllene	0.02	11.890	1.189
alpha-Pinene	0.02	4.875	0.488	Farnesene	0.02	4.170	0.417
alpha-Humulene	0.02	3.268	0.327	alpha-Bisabolol	0.02	2.849	0.285
(R)-(+)-Limonene	0.02	2.307	0.231	beta-Pinene	0.02	2.126	0.213
trans-Nerolidol	0.02	1.502	0.150	Linalool	0.02	1.238	0.124
Ocimene	0.014	<LOQ		Isoborneol	0.02	<LOQ	
Isopulegol	0.02	<LOQ		Nerol	0.02	<LOQ	
(+)-Cedrol	0.02	<LOQ		Pulegone	0.02	<LOQ	
Sabinene	0.02	<LOQ		Sabinene Hydrate	0.02	<LOQ	
Guaial	0.02	<LOQ		Terpineol	0.02	<LOQ	
Terpinolene	0.02	<LOQ		Hexahydrothymol	0.02	<LOQ	
Fenchone	0.02	<LOQ		Geranyl acetate	0.02	<LOQ	
Geraniol	0.02	<LOQ		Gamma-Terpinene	0.02	<LOQ	
Fenchyl Alcohol	0.02	<LOQ		Eucalyptol	0.02	<LOQ	
cis-Nerolidol	0.02	<LOQ		Caryophyllene oxide	0.02	<LOQ	
Camphors	0.04	<LOQ		Camphene	0.02	<LOQ	
Borneol	0.04	<LOQ		alpha-Terpinene	0.02	<LOQ	
alpha-Phellandrene	0.02	<LOQ		alpha-Cedrene	0.02	<LOQ	
3-Carene	0.02	<LOQ		Valencene	0.02	<LOQ	

Total Terpenes: 4.631%

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

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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