



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

# Certificate of Analysis

## Compliance Test

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

Batch # 11  
Batch Date: 2021-03-16  
Extracted From: CBD

Test Reg State: Oregon

Production Facility: pinnacle  
Production Date: 2021-03-16

Order # PIN210319-070060  
Order Date: 2021-03-19  
Sample # AABC768

Sampling Date: 2021-03-22  
Lab Batch Date: 2021-03-22  
Completion Date: 2021-03-29

Initial Gross Weight: 14.399 g  
Net Weight: 1.898 g

Number of Units: 2  
Net Weight per Unit: 949.000 mg



Product Image



### Delta 8/Delta 10 Potency

#### 12

Specimen Weight: 45.100 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	10.000	0.000026	0.001	919.000	91.900
CBN	10.000	0.000014	0.001	0.758	0.076
Delta-9 THC	10.000	0.000013	0.001	<LOQ	<LOQ
CBC	10.000	0.000018	0.001	<LOQ	<LOQ
CBD	10.000	0.000054	0.001	<LOQ	<LOQ
THCV	10.000	0.000007	0.001	<LOQ	<LOQ
THCA-A	10.000	0.000032	0.001	<LOQ	<LOQ
CBGA	10.000	0.00008	0.001	<LOQ	<LOQ
CBG	10.000	0.000248	0.001	<LOQ	<LOQ
CBDV	10.000	0.000065	0.001	<LOQ	<LOQ
CBDA	10.000	0.00001	0.001	<LOQ	<LOQ
Delta-10 THC	10.000	0.000003	0.001	<LOQ	<LOQ

### Tested (LCUV)

### Potency Summary

<b>Total Delta 8</b> 91.900% 872.131mg	<b>Total Delta 10</b> None Detected
<b>Total THC</b> None Detected	<b>Total CBD</b> None Detected
<b>Total CBG</b> None Detected	<b>Total CBN</b> 0.076% 0.719mg
<b>Other Cannabinoids</b> 91.900% 872.131mg	<b>Total Cannabinoids</b> 91.976% 872.850mg

### Terpenes Summary

Analyte	Result (mg/ml) (%)
trans-Caryophyllene	12.084 1.208%
Linalool	3.932 0.393%
alpha-Humulene	3.803 0.38%
(R)-(+)-Limonene	3.011 0.301%
trans-Nerolidol	2.87 0.287%

**Total Terpenes: 2.569%**

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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Net Weight per Unit: 949.000 mg



## Terpenes - FL

Specimen Weight: 109.460 mg

Tested  
(GC)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	12.084	1.208	Linalool	0.02	3.932	0.393
alpha-Humulene	0.02	3.803	0.380	(R)-(+)-Limonene	0.02	3.011	0.301
trans-Nerolidol	0.02	2.870	0.287	Geraniol	0.02	<LOQ	<LOQ
Geranyl acetate	0.02	<LOQ	<LOQ	Guaiol	0.02	<LOQ	<LOQ
Hexahydrothymol	0.02	<LOQ	<LOQ	Isoborneol	0.02	<LOQ	<LOQ
Isopulegol	0.02	<LOQ	<LOQ	(+)-Cedrol	0.02	<LOQ	<LOQ
Nerol	0.02	<LOQ	<LOQ	Ocimene	0.014	<LOQ	<LOQ
Gamma-Terpinene	0.02	<LOQ	<LOQ	Sabinene	0.02	<LOQ	<LOQ
Sabinene Hydrate	0.02	<LOQ	<LOQ	Terpineol	0.02	<LOQ	<LOQ
Terpinolene	0.02	<LOQ	<LOQ	Pulegone	0.02	<LOQ	<LOQ
Fenchone	0.02	<LOQ	<LOQ	Fenchyl Alcohol	0.02	<LOQ	<LOQ
3-Carene	0.02	<LOQ	<LOQ	alpha-Bisabolol	0.02	<LOQ	<LOQ
alpha-Cedrene	0.02	<LOQ	<LOQ	alpha-Phellandrene	0.02	<LOQ	<LOQ
alpha-Pinene	0.02	<LOQ	<LOQ	alpha-Terpinene	0.02	<LOQ	<LOQ
beta-Myrcene	0.02	<LOQ	<LOQ	Farnesene	0.02	<LOQ	<LOQ
beta-Pinene	0.02	<LOQ	<LOQ	Borneol	0.04	<LOQ	<LOQ
Camphene	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	Valencene	0.02	<LOQ	<LOQ

Total Terpenes: 2.569%

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

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