



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 # AABM686

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

Initial Gross Weight: 21.821 g  
Net Weight: 3.107 g

Number of Units: 3  
Net Weight per Unit: 1035.667 mg



Product Image

Potency  
Tested

Terpenes  
Tested

### Delta 8/Delta 10 Potency

#### 12

Specimen Weight: 53.490 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	1000.000	0.000026	0.001	682.540	68.254
CBD	1000.000	0.000054	0.001	5.220	0.522
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	0.000008	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> 68.254% 706.884mg	<b>Total Delta 10</b> None Detected
<b>Total THC</b> None Detected	<b>Total CBD</b> 5.406mg
<b>Total CBG</b> None Detected	<b>Total CBN</b> None Detected
<b>Other Cannabinoids</b> None Detected	<b>Total Cannabinoids</b> 68.776% 712.290mg

### Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	18.509	1.851%
trans-Caryophyllene	5.488	0.549%
trans-Nerolidol	3.257	0.326%
alpha-Humulene	1.96	0.196%
alpha-Bisabolol	1.688	0.169%

**Total Terpenes: 3.091%**

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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Initial Gross Weight: 21.821 g  
Net Weight: 3.107 g

Number of Units: 3  
Net Weight per Unit: 1035.667 mg



## Terpenes - FL

Specimen Weight: 161.510 mg

Tested  
(GC/GCMS)

Dilution Factor: 1000.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.02	18.509	1.851	trans-Caryophyllene	0.02	5.488	0.549
trans-Nerolidol	0.02	3.257	0.326	alpha-Humulene	0.02	1.960	0.196
alpha-Bisabolol	0.02	1.688	0.169	Nerol	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	Linalool	0.02	<LOQ	<LOQ
(+)-Cedrol	0.02	<LOQ	<LOQ	Ocimene	0.014	<LOQ	<LOQ
Pulegone	0.02	<LOQ	<LOQ	Geraniol	0.02	<LOQ	<LOQ
Sabinene Hydrate	0.02	<LOQ	<LOQ	Terpineol	0.02	<LOQ	<LOQ
Terpinolene	0.02	<LOQ	<LOQ	Sabinene	0.02	<LOQ	<LOQ
Fenchone	0.02	<LOQ	<LOQ	Gamma-Terpinene	0.02	<LOQ	<LOQ
beta-Myrcene	0.02	<LOQ	<LOQ	3-Carene	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-Pinene	0.02	<LOQ	<LOQ	Fenchyl Alcohol	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
Farnesene	0.02	<LOQ	<LOQ	Valencene	0.02	<LOQ	<LOQ

Total Terpenes: 3.091%

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

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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