



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

# Certificate of Analysis

## Compliance Test

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

Batch # 14  
Batch Date: 2021-04-19  
Extracted From: CBD

Test Reg State: Oregon

Production Facility: pinnacle  
Production Date: 2021-04-19

Order # PIN210419-190014  
Order Date: 2021-04-19  
Sample # AABF773

Sampling Date: 2021-04-26  
Lab Batch Date: 2021-04-26  
Completion Date: 2021-05-05

Initial Gross Weight: 21.632 g  
Volume: 1 ml

Number of Units: 3  
Net Weight per Unit: 958.611 mg



Product Image

Potency  
Tested

Terpenes  
Tested

### Delta 8/Delta 10 Potency

#### 12

Specimen Weight: 59.900 mg

Pieces For Panel: 1

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	681.600	68.160
Delta-10 THC	1000.000	0.000003	0.001		<LOQ
Delta-9 THC	100.000	0.000013	0.001		<LOQ
CBC	100.000	0.000018	0.001		<LOQ
CBD	100.000	0.000054	0.001		<LOQ
THCV	100.000	0.000007	0.001		<LOQ
THCA-A	100.000	0.000032	0.001		<LOQ
CBN	100.000	0.000014	0.001		<LOQ
CBGA	100.000	0.000008	0.001		<LOQ
CBG	100.000	0.000248	0.001		<LOQ
CBDV	100.000	0.000065	0.001		<LOQ
CBDA	100.000	0.00001	0.001		<LOQ

**Tested**  
(LCUV)

### Potency Summary

<b>Total Delta 8</b> 68.160% 653.389mg	<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> None Detected
<b>Other Cannabinoids</b> None Detected	<b>Total Cannabinoids</b> 68.160% 653.389mg

### Terpenes Summary

Analyte	Result (mg/ml) (%)
(R)-(+)-Limonene	6.803 0.68%
alpha-Bisabolol	5.985 0.598%
beta-Myrcene	2.716 0.272%

**Total Terpenes: 1.550%**

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: 21.632 g  
Volume: 1 ml

Number of Units: 3  
Net Weight per Unit: 958.611 mg



## Terpenes - FL

Specimen Weight: 192.160 mg

Tested  
(GC/GCMS)

Pieces For Panel: 1 Dilution Factor: 1000.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.02	6.803	0.680	alpha-Bisabolol	0.02	5.985	0.598
beta-Myrcene	0.02	2.716	0.272	Geranyl acetate	0.02		<LOQ
Guaiol	0.02	<LOQ		Hexahydrothymol	0.02		<LOQ
Isoborneol	0.02	<LOQ		Isopulegol	0.02		<LOQ
Linalool	0.02	<LOQ		Nerol	0.02		<LOQ
Ocimene	0.014	<LOQ		(+)-Cedrol	0.02		<LOQ
Geraniol	0.02	<LOQ		Sabinene	0.02		<LOQ
Sabinene Hydrate	0.02	<LOQ		Terpineol	0.02		<LOQ
Terpinolene	0.02	<LOQ		trans-Caryophyllene	0.02		<LOQ
trans-Nerolidol	0.02	<LOQ		Pulegone	0.02		<LOQ
Fenchone	0.02	<LOQ		Gamma-Terpinene	0.02		<LOQ
3-Carene	0.02	<LOQ		alpha-Cedrene	0.02		<LOQ
alpha-Humulene	0.02	<LOQ		alpha-Phellandrene	0.02		<LOQ
alpha-Pinene	0.02	<LOQ		alpha-Terpinene	0.02		<LOQ
beta-Pinene	0.02	<LOQ		Fenchyl Alcohol	0.02		<LOQ
Borneol	0.04	<LOQ		Camphene	0.02		<LOQ
Camphors	0.04	<LOQ		Caryophyllene oxide	0.02		<LOQ
cis-Nerolidol	0.02	<LOQ		Eucalyptol	0.02		<LOQ
Farnesene	0.02	<LOQ		Valencene	0.02		<LOQ

**Total Terpenes: 1.550%**

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

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



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