



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 # AABM687

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

Initial Gross Weight: 21.953 g  
Net Weight: 3.278 g

Number of Units: 3  
Net Weight per Unit: 1092.667 mg



Product Image



### Delta 8/Delta 10 Potency

#### 12

Tested (LCUV)

Specimen Weight: 51.410 mg

| Analyte      | Dilution (1:n) | LOD (%)  | LOQ (%) | Result (mg/g) | (%)    |
|--------------|----------------|----------|---------|---------------|--------|
| Delta-8 THC  | 1000.000       | 0.000026 | 0.001   | 700.190       | 70.019 |
| CBD          | 1000.000       | 0.000054 | 0.001   | 5.000         | 0.500  |
| 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><br>70.019% 765.074mg  | <b>Total Delta 10</b><br>None Detected         |
| <b>Total THC</b><br>None Detected          | <b>Total CBD</b><br>5.463mg                    |
| <b>Total CBG</b><br>None Detected          | <b>Total CBN</b><br>None Detected              |
| <b>Other Cannabinoids</b><br>None Detected | <b>Total Cannabinoids</b><br>70.519% 770.538mg |

### Terpenes Summary

| Analyte             | Result (mg/g) | (%)    |
|---------------------|---------------|--------|
| trans-Caryophyllene | 22.494        | 2.249% |
| trans-Nerolidol     | 6.693         | 0.669% |
| (R)-(+)-Limonene    | 6.282         | 0.628% |
| alpha-Humulene      | 5.713         | 0.571% |
| Linalool            | 4.284         | 0.428% |
| beta-Myrcene        | 3.459         | 0.346% |
| Terpineol           | 2.258         | 0.226% |
| alpha-Bisabolol     | 1.983         | 0.198% |
| alpha-Pinene        | 1.64          | 0.164% |
| Fenchyl Alcohol     | 1.447         | 0.145% |
| beta-Pinene         | 1.285         | 0.128% |
| Ocimene             | 0.491         | 0.049% |

**Total Terpenes: 5.801%**

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: 1092.667 mg



## Terpenes - FL

Specimen Weight: 161.000 mg

Tested  
(GC/GCMS)

Dilution Factor: 1000.000

| Analyte             | LOQ (%) | Result (mg/g) | (%)   | Analyte            | LOQ (%) | Result (mg/g) | (%)   |
|---------------------|---------|---------------|-------|--------------------|---------|---------------|-------|
| trans-Caryophyllene | 0.02    | 22.494        | 2.249 | trans-Nerolidol    | 0.02    | 6.693         | 0.669 |
| (R)-(+)-Limonene    | 0.02    | 6.282         | 0.628 | alpha-Humulene     | 0.02    | 5.713         | 0.571 |
| Linalool            | 0.02    | 4.284         | 0.428 | beta-Myrcene       | 0.02    | 3.459         | 0.346 |
| Terpineol           | 0.02    | 2.258         | 0.226 | alpha-Bisabolol    | 0.02    | 1.983         | 0.198 |
| alpha-Pinene        | 0.02    | 1.640         | 0.164 | Fenchyl Alcohol    | 0.02    | 1.447         | 0.145 |
| beta-Pinene         | 0.02    | 1.285         | 0.128 | Ocimene            | 0.014   | 0.491         | 0.049 |
| Isoborneol          | 0.02    | <LOQ          |       | Isopulegol         | 0.02    | <LOQ          |       |
| (+)-Cedrol          | 0.02    | <LOQ          |       | Nerol              | 0.02    | <LOQ          |       |
| Pulegone            | 0.02    | <LOQ          |       | Sabinene           | 0.02    | <LOQ          |       |
| Guaiol              | 0.02    | <LOQ          |       | Sabinene Hydrate   | 0.02    | <LOQ          |       |
| Terpinolene         | 0.02    | <LOQ          |       | Hexahydrothymol    | 0.02    | <LOQ          |       |
| Fenchone            | 0.02    | <LOQ          |       | Geranyl acetate    | 0.02    | <LOQ          |       |
| Borneol             | 0.04    | <LOQ          |       | 3-Carene           | 0.02    | <LOQ          |       |
| alpha-Cedrene       | 0.02    | <LOQ          |       | alpha-Phellandrene | 0.02    | <LOQ          |       |
| alpha-Terpinene     | 0.02    | <LOQ          |       | Camphene           | 0.02    | <LOQ          |       |
| Geraniol            | 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          |       |
| Gamma-Terpinene     | 0.02    | <LOQ          |       | Valencene          | 0.02    | <LOQ          |       |

Total Terpenes: 5.801%

*Xueli Gao*  
Xueli Gao Lab Toxicologist  
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Aixia Sun Lab Director/Principal Scientist  
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