



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 # AABC772

Sampling Date: 2021-03-22
Lab Batch Date: 2021-03-22
Completion Date: 2021-03-30

Initial Gross Weight: 14.580 g
Net Weight: 2.013 g

Number of Units: 2
Net Weight per Unit: 1006.500 mg



Potency Tested

Terpenes Tested

Product Image

Delta 8/Delta 10 Potency

12

Specimen Weight: 56.400 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	10.000	0.000026	0.001	928.000	92.800
CBN	10.000	0.000014	0.001	0.756	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

Total Delta 8 92.800%	934.032mg	Total Delta 10 None Detected
Total THC None Detected		Total CBD None Detected
Total CBG None Detected		Total CBN 0.076% 0.761mg
Other Cannabinoids 92.800%	934.032mg	Total Cannabinoids 92.876% 934.793mg

Terpenes Summary

Analyte	Result (mg/ml) (%)	
trans-Caryophyllene	5.519	0.552%
beta-Myrcene	2.514	0.251%
(R)-(+)-Limonene	2.129	0.213%
beta-Pinene	1.999	0.2%
alpha-Humulene	1.982	0.198%
trans-Nerolidol	1.872	0.187%

Total Terpenes: 1.601%

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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Initial Gross Weight: 14.580 g
Net Weight: 2.013 g

Number of Units: 2
Net Weight per Unit: 1006.500 mg



Terpenes - FL

Specimen Weight: 141.120 mg

Tested
(GC)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	5.519	0.552	beta-Myrcene	0.02	2.514	0.251
(R)-(+)-Limonene	0.02	2.129	0.213	beta-Pinene	0.02	1.999	0.200
alpha-Humulene	0.02	1.982	0.198	trans-Nerolidol	0.02	1.872	0.187
Guaiol	0.02	<LOQ		Hexahydrothymol	0.02	<LOQ	
Isoborneol	0.02	<LOQ		Isopulegol	0.02	<LOQ	
Linalool	0.02	<LOQ		Nerol	0.02	<LOQ	
(+)-Cedrol	0.02	<LOQ		Ocimene	0.014	<LOQ	
Geraniol	0.02	<LOQ		Pulegone	0.02	<LOQ	
Sabinene	0.02	<LOQ		Sabinene Hydrate	0.02	<LOQ	
Terpineol	0.02	<LOQ		Terpinolene	0.02	<LOQ	
Geranyl acetate	0.02	<LOQ		Fenchone	0.02	<LOQ	
Gamma-Terpinene	0.02	<LOQ		alpha-Terpinene	0.02	<LOQ	
3-Carene	0.02	<LOQ		alpha-Bisabolol	0.02	<LOQ	
alpha-Cedrene	0.02	<LOQ		alpha-Phellandrene	0.02	<LOQ	
alpha-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: 1.601%

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

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
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