



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: 2021-07-26
Extracted From: CBD

Test Reg State: Oregon

Production Facility: pinnacle hemp
Production Date: 2021-07-20

Order # PIN210727-010011
Order Date: 2021-07-27
Sample # AABR748

Sampling Date: 2021-08-02
Lab Batch Date: 2021-08-02
Completion Date: 2021-08-08

Initial Gross Weight: 33.737 g
Net Weight: 7.831 g

Number of Units: 1
Net Weight per Unit: 7831.000 mg



Product Image

Potency
Tested

Terpenes
Tested



Delta 8/Delta 10 Potency

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Specimen Weight: 199.530 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	15.000	0.000026	0.001	101.700	10.170
CBD	15.000	0.000054	0.001	92.970	9.297
CBDA	15.000	0.00001	0.001	79.280	7.928
CBC	15.000	0.000018	0.001	4.331	0.433
CBG	15.000	0.000248	0.001	2.315	0.232
CBGA	15.000	0.00008	0.001	2.293	0.229
CBDV	15.000	0.000065	0.001	0.740	0.074
THCA-A	15.000	0.000032	0.001	0.674	0.067
CBN	15.000	0.000014	0.001	0.373	0.037
THCV	15.000	0.000007	0.001	<LOQ	<LOQ
Delta-10 THC	1500.000	0.000003	0.001	<LOQ	<LOQ
Delta-9 THC	15.000	0.000013	0.001	<LOQ	<LOQ

Tested (LCUV)



Potency Summary

10.170% Total Delta 8	796.413mg	Total Delta 10	None Detected
0.059% Total THC	4.620mg	Total CBD	1,272.538mg
0.433% Total CBG	33.908mg	Total CBN	2.897mg
0.507% Other Cannabinoids	39.703mg	Total Cannabinoids	2,150.079mg



Terpenes Summary

Analyte	Result (mg/g)	(%)
alpha-Bisabolol	5.879	0.588%
trans-Caryophyllene	1.467	0.147%
alpha-Humulene	0.97	0.097%

Total Terpenes: 0.832%

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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Net Weight: 7.831 g

Number of Units: 1
Net Weight per Unit: 7831.000 mg



Terpenes - FL

Specimen Weight: 208.910 mg

Tested
(GC/GCMS)

Dilution Factor: 750.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
alpha-Bisabolol	0.02	5.879	0.588	trans-Caryophyllene	0.02	1.467	0.147
alpha-Humulene	0.02	0.970	0.097	(+)-Cedrol	0.02	<LOQ	
Nerol	0.02	<LOQ		Geraniol	0.02	<LOQ	
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	
Sabinene	0.02	<LOQ		Ocimene	0.014	<LOQ	
Pulegone	0.02	<LOQ		Gamma-Terpinene	0.02	<LOQ	
Sabinene Hydrate	0.02	<LOQ		Terpinolene	0.02	<LOQ	
Total Terpeneol	0.02	<LOQ		trans-Nerolidol	0.02	<LOQ	
Fenchone	0.02	<LOQ		Fenchyl Alcohol	0.02	<LOQ	
beta-Myrcene	0.02	<LOQ		3-Carene	0.02	<LOQ	
alpha-Cedrene	0.02	<LOQ		alpha-Phellandrene	0.02	<LOQ	
alpha-Pinene	0.02	<LOQ		alpha-Terpinene	0.02	<LOQ	
beta-Pinene	0.02	<LOQ		(R)-(+)-Limonene	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: 0.832%

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