



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 # AABF771

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

Initial Gross Weight: 21.619 g
Volume: 1 ml

Number of Units: 3
Net Weight per Unit: 1000.000 mg



Product Image

Potency
Tested

Terpenes
Tested

Delta 8/Delta 10 Potency

12

Specimen Weight: 50.940 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	762.300	76.230
Delta-10 THC	1000.000	0.000003	0.001	<LOQ	<LOQ
Delta-9 THC	100.000	0.000013	0.001	<LOQ	<LOQ
CBC	100.000	0.000018	0.001	<LOQ	<LOQ
CBD	100.000	0.000054	0.001	<LOQ	<LOQ
THCV	100.000	0.000007	0.001	<LOQ	<LOQ
THCA-A	100.000	0.000032	0.001	<LOQ	<LOQ
CBN	100.000	0.000014	0.001	<LOQ	<LOQ
CBGA	100.000	0.00008	0.001	<LOQ	<LOQ
CBG	100.000	0.000248	0.001	<LOQ	<LOQ
CBDV	100.000	0.000065	0.001	<LOQ	<LOQ
CBDA	100.000	0.00001	0.001	<LOQ	<LOQ

Tested
(LCUV)

Potency Summary

Total Delta 8 76.230%	762.300mg	Total Delta 10 None Detected
Total THC None Detected		Total CBD None Detected
Total CBG None Detected		Total CBN None Detected
Other Cannabinoids None Detected		Total Cannabinoids 76.230% 762.300mg

Terpenes Summary

Analyte	Result (mg/ml) (%)
trans-Caryophyllene	20.637 2.064%
beta-Myrcene	8.822 0.882%
alpha-Bisabolol	6.737 0.674%
alpha-Pinene	4.997 0.5%
alpha-Humulene	3.577 0.358%
Valencene	3.408 0.341%
Farnesene	2.875 0.288%
(R)-(+)-Limonene	2.634 0.263%
beta-Pinene	2.253 0.225%
Terpineol	1.732 0.173%
Linalool	1.579 0.158%

Total Terpenes: 5.926%

Detailed Terpenes Analysis is on the following page

Xueli Gao Lab Toxicologist
Ph.D., DABT

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



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%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.





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 # AABF771	Sampling Date: 2021-04-26 Lab Batch Date: 2021-04-26 Completion Date: 2021-05-05	Initial Gross Weight: 21.619 g Volume: 1 ml	Number of Units: 3 Net Weight per Unit: 1000.000 mg



Terpenes - FL

Specimen Weight: 151.210 mg

Tested
(GC/GCMS)

Dilution Factor: 1000.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	20.637	2.064	beta-Myrcene	0.02	8.822	0.882
alpha-Bisabolol	0.02	6.737	0.674	alpha-Pinene	0.02	4.997	0.500
alpha-Humulene	0.02	3.577	0.358	Valencene	0.02	3.408	0.341
Farnesene	0.02	2.875	0.288	(R)-(+)-Limonene	0.02	2.634	0.263
beta-Pinene	0.02	2.253	0.225	Terpineol	0.02	1.732	0.173
Linalool	0.02	1.579	0.158	Terpinolene	0.02	<LOQ	<LOQ
Guaiol	0.02	<LOQ	<LOQ	Sabinene Hydrate	0.02	<LOQ	<LOQ
Sabinene	0.02	<LOQ	<LOQ	Pulegone	0.02	<LOQ	<LOQ
Ocimene	0.014	<LOQ	<LOQ	Nerol	0.02	<LOQ	<LOQ
trans-Nerolidol	0.02	<LOQ	<LOQ	Isopulegol	0.02	<LOQ	<LOQ
Isoborneol	0.02	<LOQ	<LOQ	Hexahydrothymol	0.02	<LOQ	<LOQ
(+)-Cedrol	0.02	<LOQ	<LOQ	Geranyl acetate	0.02	<LOQ	<LOQ
Geraniol	0.02	<LOQ	<LOQ	Gamma-Terpinene	0.02	<LOQ	<LOQ
Fenchyl Alcohol	0.02	<LOQ	<LOQ	Eucalyptol	0.02	<LOQ	<LOQ
cis-Nerolidol	0.02	<LOQ	<LOQ	Caryophyllene oxide	0.02	<LOQ	<LOQ
Camphors	0.04	<LOQ	<LOQ	Camphene	0.02	<LOQ	<LOQ
Borneol	0.04	<LOQ	<LOQ	alpha-Terpinene	0.02	<LOQ	<LOQ
alpha-Phellandrene	0.02	<LOQ	<LOQ	alpha-Cedrene	0.02	<LOQ	<LOQ
3-Carene	0.02	<LOQ	<LOQ	Fenchone	0.02	<LOQ	<LOQ

Total Terpenes: 5.926%

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)



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%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.