



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

Certificate of Analysis

Compliance Test

ALPINE'S HEMP CO.
7 14TH STREET SW
HICKORY, NC 28602

Batch # AHF21-11021-5
Batch Date: 2021-04-27
Extracted From: Hemp

Test Reg State: Florida

Order # ALP210625-110020
Order Date: 2021-06-25
Sample # AABN984

Sampling Date: 2021-06-29
Lab Batch Date: 2021-06-29
Completion Date: 2021-07-15

Initial Gross Weight: 9.895 g



Product Image



Delta 8/Delta 10 Potency 12

Specimen Weight: 52.490 mg

Pieces For Panel: 5

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	89.840	89.840
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	0.000001	0.001		<LOQ

Tested
(LCUV)



Potency Summary

Total Delta 8 89.840%	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 89.840%



Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	8.826	0.883%
beta-Myrcene	8.755	0.876%
trans-Nerolidol	6.773	0.677%
(R)-(+)-Limonene	5.862	0.586%
alpha-Humulene	2.368	0.237%
alpha-Pinene	2.26	0.226%
Ocimene	1.691	0.169%
beta-Pinene	1.477	0.148%
alpha-Bisabolol	1.33	0.133%
Linalool	0.825	0.083%
alpha-Phellandrene	0.635	0.064%
Valencene	0.553	0.055%
Farnesene	0.466	0.047%
Caryophyllene oxide	0.41	0.041%
Fenchyl Alcohol	0.382	0.038%

Total Terpenes: 4.263%

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: 9.895 g



Terpenes - FL

Specimen Weight: 52.490 mg

Tested
(GC/GCMS)

Pieces For Panel: 5 Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	8.826	0.883	beta-Myrcene	0.02	8.755	0.876
trans-Nerolidol	0.02	6.773	0.677	(R)-(+)-Limonene	0.02	5.862	0.586
alpha-Humulene	0.02	2.368	0.237	alpha-Pinene	0.02	2.260	0.226
Ocimene	0.014	1.691	0.169	beta-Pinene	0.02	1.477	0.148
alpha-Bisabolol	0.02	1.330	0.133	Linalool	0.02	0.825	0.083
alpha-Phellandrene	0.02	0.635	0.064	Valencene	0.02	0.553	0.055
Farnesene	0.02	0.466	0.047	Caryophyllene oxide	0.02	0.410	0.041
Fenchyl Alcohol	0.02	0.382	0.038	Hexahydrothymol	0.02		<LOQ
Sabinene Hydrate	0.02		<LOQ	Sabinene	0.02		<LOQ
Pulegone	0.02		<LOQ	Terpinolene	0.02		<LOQ
Nerol	0.02		<LOQ	Total Terpeneol	0.02		<LOQ
Isopulegol	0.02		<LOQ	Isoborneol	0.02		<LOQ
(+)-Cedrol	0.02		<LOQ	Guaial	0.02		<LOQ
Borneol	0.04		<LOQ	3-Carene	0.02		<LOQ
alpha-Cedrene	0.02		<LOQ	alpha-Terpinene	0.02		<LOQ
Camphene	0.02		<LOQ	Geranyl acetate	0.02		<LOQ
Camphors	0.04		<LOQ	cis-Nerolidol	0.02		<LOQ
Eucalyptol	0.02		<LOQ	Gamma-Terpinene	0.02		<LOQ
Geraniol	0.02		<LOQ	Fenchone	0.02		<LOQ

Total Terpenes: 4.263%

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