



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 # AHF21-11021-17
Batch Date: 2021-04-27
Extracted From: Hemp

Test Reg State: Florida

Order # ALP210810-080002
Order Date: 2021-08-10
Sample # AABT270

Sampling Date: 2021-08-23
Lab Batch Date: 2021-08-23
Completion Date: 2021-08-30

Initial Gross Weight: 28.375 g

Number of Units: 3
Net Weight per Unit: 1.000 g



Product Image



Potency
Tested



Terpenes
Tested



Delta 8/Delta 10 Potency 12

Specimen Weight: 52.890 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	90.400	90.040
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	0.00001	0.001		<LOQ

Tested
(LCUV)



Potency Summary

Total Delta 8 90.040% 900.400mg	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 90.040% 900.400mg



Terpenes Summary

Analyte	Result (mg/g)	(%)
Terpinolene	14.734	1.473%
beta-Myrcene	6.249	0.625%
trans-Caryophyllene	4.504	0.45%
(R)-(+)-Limonene	2.48	0.248%
alpha-Phellandrene	1.881	0.188%
(+)-Cedrol	1.158	0.116%
beta-Pinene	0.835	0.083%
Ocimene	0.824	0.082%
alpha-Pinene	0.754	0.075%
alpha-Terpinene	0.733	0.073%

Total Terpenes: 3.413%

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: 28.375 g

Number of Units: 3
Net Weight per Unit: 1.000 g



Terpenes - FL

Specimen Weight: 57.810 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Terpinolene	0.02	14.734	1.473	beta-Myrcene	0.02	6.249	0.625
trans-Caryophyllene	0.02	4.504	0.450	(R)-(+)-Limonene	0.02	2.480	0.248
alpha-Phellandrene	0.02	1.881	0.188	(+)-Cedrol	0.02	1.158	0.116
beta-Pinene	0.02	0.835	0.083	Ocimene	0.014	0.824	0.082
alpha-Pinene	0.02	0.754	0.075	alpha-Terpinene	0.02	0.733	0.073
Total Terpeneol	0.02	<LOQ		Isopulegol	0.02	<LOQ	
Guaiol	0.02	<LOQ		trans-Nerolidol	0.02	<LOQ	
Hexahydrothymol	0.02	<LOQ		Isoborneol	0.02	<LOQ	
Pulegone	0.02	<LOQ		Linalool	0.02	<LOQ	
Nerol	0.02	<LOQ		Sabinene	0.02	<LOQ	
Geraniol	0.02	<LOQ		Sabinene Hydrate	0.02	<LOQ	
Geranyl acetate	0.02	<LOQ		Fenchone	0.02	<LOQ	
3-Carene	0.02	<LOQ		alpha-Bisabolol	0.02	<LOQ	
alpha-Cedrene	0.02	<LOQ		alpha-Humulene	0.02	<LOQ	
Borneol	0.04	<LOQ		Gamma-Terpinene	0.02	<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	
Fenchyl Alcohol	0.02	<LOQ		Valencene	0.02	<LOQ	

Total Terpenes: 3.413%

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