



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 # AHF21-11021-2
Batch Date: 2021-04-27
Extracted From: Hemp

Test Reg State: Florida

Order # ALP210625-110020
Order Date: 2021-06-25
Sample # AABN981

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

Initial Gross Weight: 9.944 g



Product Image



Delta 8/Delta 10 Potency

12

Tested
(LCUV)

Specimen Weight: 46.370 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	896.800	89.680
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



Potency Summary

Total Delta 8 89.680%	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 89.680%



Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	12.123	1.212%
beta-Myrcene	8.352	0.835%
alpha-Pinene	3.929	0.393%
trans-Caryophyllene	3.791	0.379%
Terpinolene	2.322	0.232%
alpha-Bisabolol	1.754	0.175%
beta-Pinene	1.65	0.165%
alpha-Humulene	1.236	0.124%
trans-Nerolidol	0.785	0.078%
Caryophyllene oxide	0.777	0.078%
Linalool	0.727	0.073%
alpha-Phellandrene	0.647	0.065%

Total Terpenes: 3.809%

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: 9.944 g



Terpenes - FL

Specimen Weight: 46.370 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.02	12.123	1.212	beta-Myrcene	0.02	8.352	0.835
alpha-Pinene	0.02	3.929	0.393	trans-Caryophyllene	0.02	3.791	0.379
Terpinolene	0.02	2.322	0.232	alpha-Bisabolol	0.02	1.754	0.175
beta-Pinene	0.02	1.650	0.165	alpha-Humulene	0.02	1.236	0.124
Caryophyllene oxide	0.02	0.777	0.078	trans-Nerolidol	0.02	0.785	0.078
Linalool	0.02	0.727	0.073	alpha-Phellandrene	0.02	0.647	0.065
Hexahydrothymol	0.02	<LOQ		Isoborneol	0.02	<LOQ	
Isopulegol	0.02	<LOQ		Nerol	0.02	<LOQ	
(+)-Cedrol	0.02	<LOQ		Ocimene	0.014	<LOQ	
Pulegone	0.02	<LOQ		Sabinene	0.02	<LOQ	
Sabinene Hydrate	0.02	<LOQ		Geranyl acetate	0.02	<LOQ	
Total Terpeneol	0.02	<LOQ		Guaiol	0.02	<LOQ	
Fenchone	0.02	<LOQ		Geraniol	0.02	<LOQ	
3-Carene	0.02	<LOQ		alpha-Cedrene	0.02	<LOQ	
alpha-Terpinene	0.02	<LOQ		Borneol	0.04	<LOQ	
Camphene	0.02	<LOQ		Camphors	0.04	<LOQ	
cis-Nerolidol	0.02	<LOQ		Eucalyptol	0.02	<LOQ	
Farnesene	0.02	<LOQ		Fenchyl Alcohol	0.02	<LOQ	
Gamma-Terpinene	0.02	<LOQ		Valencene	0.02	<LOQ	

Total Terpenes: 3.809%

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