



Certificate of Analysis

Compliance Test

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

Batch # AHF21-11021-21
Batch Date: 2021-04-27
Extracted From: Hemp

Test Reg State: Florida

Order # ALP2111213-030001
Order Date: 2021-12-13
Sample # AACG516

Sampling Date: 2021-12-20
Lab Batch Date: 2021-12-20
Completion Date: 2021-12-23

Initial Gross Weight: 9.437 g
Net Weight: 1.007 g

Number of Units: 1
Net Weight per Unit: 1006.670 mg



Product Image



Potency
Tested



Delta 8/Delta 10 Potency 12

Specimen Weight: 49.900 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	0.000026	0.001	813.630	81.363
THCV	0.000007	0.001		<LOQ
Delta-9 THC	0.000013	0.001		<LOQ
Delta-10 THC	0.000003	0.001		<LOQ
CBN	0.000014	0.001		<LOQ
CBGA	0.000008	0.001		<LOQ
CBG	0.000248	0.001		<LOQ
CBDV	0.000065	0.001		<LOQ
CBD	0.00001	0.001		<LOQ
CBD	0.000054	0.001		<LOQ
CBC	0.000018	0.001		<LOQ
THCA-A	0.000032	0.001		<LOQ

Tested
(LCUV)



Potency Summary

Total Delta 8 81.363%	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 81.363%

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 CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC, *Total THC-O-Acetate = Delta 8 THC-O-Acetate + THC-O-Acetate, *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 = +/- 10%

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Test Reg State: Florida

Order # ALP211213-030002
Order Date: 2021-12-13
Sample # AACG573

Sampling Date: 2021-12-20
Lab Batch Date: 2021-12-20
Completion Date: 2021-12-22

Initial Gross Weight: 9.445 g
Net Weight: 0.826 g

Number of Units: 1
Net Weight per Unit: 826.000 mg



Product Image



Terpenes
Tested

Potency Panel Not Included

Terpenes Summary

Analyte	Result (mg/g)	(%)
Terpinolene	24.45	2.445%
(R)-(+)-Limonene	9.78	0.978%
beta-Pinene	7.33	0.733%
trans-Caryophyllene	5.59	0.559%
Eucalyptol	5.27	0.527%
alpha-Pinene	2.49	0.249%
beta-Myrcene	2.45	0.245%
alpha-Terpinene	2.16	0.216%

Total Terpenes: 5.952%

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



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

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Order Date: 2021-12-13
Sample # AACG573

Sampling Date: 2021-12-20
Lab Batch Date: 2021-12-20
Completion Date: 2021-12-22

Initial Gross Weight: 9.445 g
Net Weight: 0.826 g

Number of Units: 1
Net Weight per Unit: 826.000 mg



Terpenes

Specimen Weight: 50.200 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Terpinolene	0.002	24.450	2.445	(R)-(+)-Limonene	0.002	9.780	0.978
beta-Pinene	0.002	7.330	0.733	trans-Caryophyllene	0.002	5.590	0.559
Eucalyptol	0.002	5.270	0.527	alpha-Pinene	0.002	2.490	0.249
beta-Myrcene	0.002	2.450	0.245	alpha-Terpinene	0.002	2.160	0.216
Nerol	0.002	<LOQ		Guaiaol	0.002	<LOQ	
Hexahydrothymol	0.002	<LOQ		Isoborneol	0.002	<LOQ	
Isopulegol	0.002	<LOQ		Linalool	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Ocimene	0.000	<LOQ	
Pulegone	0.002	<LOQ		Geraniol	0.002	<LOQ	
Sabinene	0.002	<LOQ		Sabinene Hydrate	0.002	<LOQ	
Total Terpeneol	0.001	<LOQ		trans-Nerolidol	0.002	<LOQ	
Geranyl acetate	0.002	<LOQ		Fenchone	0.002	<LOQ	
3-Carene	0.002	<LOQ		alpha-Bisabolol	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		alpha-Humulene	0.002	<LOQ	
alpha-Phellandrene	0.002	<LOQ		Gamma-Terpinene	0.002	<LOQ	
Borneol	0.004	<LOQ		Camphene	0.002	<LOQ	
Camphors	0.006	<LOQ		Caryophyllene oxide	0.002	<LOQ	
cis-Nerolidol	0.002	<LOQ		Farnesene	0.002	<LOQ	
Fenchyl Alcohol	0.002	<LOQ		Valencene	0.002	<LOQ	

Total Terpenes: 5.952%

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