



Certificate of Analysis

Compliance Test

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

Batch # AHF21-11021-20
Batch Date: 2021-04-27
Extracted From: Hemp

Test Reg State: Florida

Order # ALP2111213-030001
Order Date: 2021-12-13
Sample # AACG515

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

Initial Gross Weight: 9.474 g
Net Weight: 1.044 g

Number of Units: 1
Net Weight per Unit: 1043.670 mg



Product Image



Delta 8/Delta 10 Potency

12

Specimen Weight: 55.940 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	0.000026	0.001	804.670	80.467
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	0.000001	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 80.467%	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 80.467% 839.810mg

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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Batch # AHF21-11021-20
Batch Date: 2021-04-27
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Test Reg State: Florida

Order # ALP2111213-030002
Order Date: 2021-12-13
Sample # AACG572

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

Initial Gross Weight: 9.396 g
Net Weight: 1.615 g

Number of Units: 1
Net Weight per Unit: 1615.000 mg



Product Image



Potency Panel Not Included

Terpenes Summary

Analyte	Result (mg/g)	(%)
Terpinolene	6.182	0.618%
(R)-(+)-Limonene	5.479	0.548%
trans-Caryophyllene	4.573	0.457%
Farnesene	3.533	0.353%
beta-Myrcene	2.591	0.259%
Linalool	1.969	0.197%
alpha-Humulene	1.246	0.125%
alpha-Pinene	0.974	0.097%
beta-Pinene	0.896	0.09%
Hexahydrothymol	0.596	0.06%
Guaiol	0.025	0.003%

Total Terpenes: 2.807%

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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Test Reg State: Florida

Order # ALP211213-030002
Order Date: 2021-12-13
Sample # AACG572

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

Initial Gross Weight: 9.396 g
Net Weight: 1.615 g

Number of Units: 1
Net Weight per Unit: 1615.000 mg



Terpenes

Specimen Weight: 56.300 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Terpinolene	0.002	6.182	0.618	(R)-(+)-Limonene	0.002	5.479	0.548
trans-Caryophyllene	0.002	4.573	0.457	Farnesene	0.002	3.533	0.353
beta-Myrcene	0.002	2.591	0.259	Linalool	0.002	1.969	0.197
alpha-Humulene	0.002	1.246	0.125	alpha-Pinene	0.002	0.974	0.097
beta-Pinene	0.002	0.896	0.090	Hexahydrothymol	0.002	0.596	0.060
Guaiol	0.002	0.025	0.003	Nerol	0.002	<LOQ	
Isoborneol	0.002	<LOQ		Isopulegol	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-Phellandrene	0.002	<LOQ	
alpha-Terpinene	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		Eucalyptol	0.002	<LOQ	
Fenchyl Alcohol	0.002	<LOQ		Valencene	0.002	<LOQ	

Total Terpenes: 2.807%

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