



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 # AHF21-11021-3
Batch Date: 2021-04-27
Extracted From: Hemp

Test Reg State: Florida

Order # ALP210625-110020
Order Date: 2021-06-25
Sample # AABN982

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

Initial Gross Weight: 9.822 g



Product Image



Delta 8/Delta 10 Potency 12

Tested
(LCUV)

Specimen Weight: 51.440 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	860.000	86.000
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 86.000%	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 86.000%



Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	20.403	2.04%
alpha-Humulene	11.586	1.159%
Total Terpineol	4.279	0.428%
(R)-(+)-Limonene	3.212	0.321%
Linalool	3.002	0.3%
Fenchyl Alcohol	2.155	0.215%
Caryophyllene oxide	1.04	0.104%
alpha-Pinene	1.001	0.1%
beta-Pinene	0.759	0.076%
beta-Myrcene	0.4	0.04%
Isoborneol	0.4	0.04%

Total Terpenes: 4.823%

Detailed Terpenes Analysis is on the following page

Xueli Gao
Lab Toxicologist
Ph.D., DABT

Aixia Sun
Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.





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 # AHF21-11021-3
Batch Date: 2021-04-27
Extracted From: Hemp

Test Reg State: Florida

Order # ALP210625-110020
Order Date: 2021-06-25
Sample # AABN982

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

Initial Gross Weight: 9.822 g



Terpenes - FL

Specimen Weight: 44.130 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	20.403	2.040	alpha-Humulene	0.02	11.586	1.159
Total Terpeneol	0.02	4.279	0.428	(R)-(+)-Limonene	0.02	3.212	0.321
Linalool	0.02	3.002	0.300	Fenchyl Alcohol	0.02	2.155	0.215
Caryophyllene oxide	0.02	1.040	0.104	alpha-Pinene	0.02	1.001	0.100
beta-Pinene	0.02	0.759	0.076	Isoborneol	0.02	0.400	0.040
beta-Myrcene	0.02	0.400	0.040	Nerol	0.02	<LOQ	
Hexahydrothymol	0.02	<LOQ		Isopulegol	0.02	<LOQ	
(+)-Cedrol	0.02	<LOQ		Ocimene	0.014	<LOQ	
Pulegone	0.02	<LOQ		Sabinene	0.02	<LOQ	
Geranyl acetate	0.02	<LOQ		Sabinene Hydrate	0.02	<LOQ	
Terpinolene	0.02	<LOQ		trans-Nerolidol	0.02	<LOQ	
Guaiol	0.02	<LOQ		Fenchone	0.02	<LOQ	
Geraniol	0.02	<LOQ		3-Carene	0.02	<LOQ	
alpha-Bisabolol	0.02	<LOQ		alpha-Cedrene	0.02	<LOQ	
alpha-Phellandrene	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	
Gamma-Terpinene	0.02	<LOQ		Valencene	0.02	<LOQ	

Total Terpenes: 4.823%

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%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.