



Certificate of Analysis

R&D

Client Information:

3 TALL PINES LLC
W6326 COUNTY ROAD Z
PLYMOUTH
PLYMOUTH, WI 53073

Batch # D9o-FL-021522-03
Batch Date: 2023-02-15
Extracted From: Hemp

Test Reg State: Florida

Order # 3TA230302-130001
Order Date: 2023-03-02
Sample # AAEE041

Sampling Date: 2023-03-08
Lab Batch Date: 2023-03-08
Completion Date: 2023-03-13

Initial Gross Weight: 22.070 g



Product Image



Potency
Tested



HHCP
Tested

Potency 23 (LCUV) ***
Specimen Weight: 206.240 mg

Tested

SOP13.002 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	Result (%)
CBGA	1500.000	8.00E-5	0.0015	118.6000	11.8600
Delta-8 THC	1500.000	2.60E-5	0.0015	78.2500	7.8250
CBG	150.000	2.48E-4	0.0015	15.4300	1.5430
CBCA	15.000	1.07E-4	0.0015	2.0780	0.2078
CBC	150.000	1.80E-5	0.0015	1.7400	0.1740
CBN	15.000	1.40E-5	0.0015	1.4860	0.1486
CBT	15.000	2.00E-4	0.0015	1.0370	0.1037
Delta-8 THCV	15.000	4.00E-5	0.0015	0.6410	0.0641
CBNA	15.000	9.50E-5	0.0015	0.4860	0.0486
CBD	15.000	5.40E-5	0.0015	0.3740	0.0374
CBDA	15.000	1.00E-5	0.0015	0.3580	0.0358
THCA-A	15.000	3.20E-5	0.0015	0.2980	0.0298
THCV	15.000	7.00E-6	0.0015	0.2140	0.0214
CBDV	15.000	6.50E-5	0.0015	<LOQ	<LOQ
CBDVA	15.000	1.40E-5	0.0015	<LOQ	<LOQ
CBL	15.000	3.50E-5	0.0015	<LOQ	<LOQ
Delta-8 THC-O Acetate	15.000	2.70E-5	0.003	<LOQ	<LOQ
Delta-9 THC	150.000	1.30E-5	0.0015	<LOQ	<LOQ
Delta-9 THC-O Acetate	15.000	7.70E-5	0.003	<LOQ	<LOQ
Delta8-THCP	15.000	3.75E-4	0.0015	<LOQ	<LOQ
Delta9-THCP	15.000	1.17E-5	0.0012	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0015	<LOQ	<LOQ
THCVA	15.000	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD	1500.000			<LOQ	0.069
Total Active THC	1500.000			<LOQ	0.026

Potency Summary

Total HHC 2.535% <LOQ	Total Active THC 0.026% <LOQ
Total Active CBD 0.069% <LOQ	Total CBG 11.944% <LOQ
Total CBN 0.192% <LOQ	Other Cannabinoids 8.371% <LOQ
Total Cannabinoids 23.137% <LOQ	

Summary results above show the dry weight concentration

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



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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, Passed - Analyte/microbe is non-detected or at the level below the action limit, Failed - Analyte/microbe is at the level that equal or above the action limit, *Measurement of Uncertainty = +/- 10%

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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "****" are not ISO/IEC 17025:2017 accredited test results.



Certificate of Analysis

R&D

Client Information:

3 TALL PINES LLC
W6326 COUNTY ROAD Z
PLYMOUTH
PLYMOUTH, WI 53073

Batch # D9o-FL-021522-03
Batch Date: 2023-02-15
Extracted From: Hemp

Test Reg State: Florida

Order # 3TA230302-130001
Order Date: 2023-03-02
Sample # AAEE041

Sampling Date: 2023-03-08
Lab Batch Date: 2023-03-08
Completion Date: 2023-03-13

Initial Gross Weight: 22.070 g

HHCP

Specimen Weight: 206.240 mg

Dilution Factor: 7500.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.1100E-7	7.5E-5	17.3000	1.73	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	<LOQ
(9S)-HHC	8.7400E-7	7.5E-5	8.0500	0.805	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	<LOQ	<LOQ	Total HHC			25.3500	2.535
9(R)-HHCP	3.0900E-6	7.5E-5	<LOQ	<LOQ					

Tested

SOP13.050 (LCMS)

Aixia Sun

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



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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, Passed - Analyte/microbe is non-detected or at the level below the action limit, Failed - Analyte/microbe is at the level that equal or above the action limit, *Measurement of Uncertainty = +/- 10%

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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "****" are not ISO/IEC 17025:2017 accredited test results.