



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

R&D

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

Batch # E-F-090922
Batch Date: 2022-09-09
Extracted From: Hemp

Test Reg State: Florida

Order # 3TA221027-050001
Order Date: 2022-10-27
Sample # AADQ576

Sampling Date: 2022-10-29
Lab Batch Date: 2022-10-29
Completion Date: 2022-11-04

Initial Gross Weight: 36.310 g
Net Weight: 4.547 g

Number of Units: 1
Net Weight per Unit: 7.000 g



Potency
Tested

HHCP
Tested

Product Image

**Delta 8/Delta 10 Potency
13 - (LCUV) + Potency 21
(LCUV)**

Tested
SOP13.002 (LCUV)

Specimen Weight: 191.250 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	1500.000	2.60E-5	0.0015	88.9600	8.8960
CBGA	1500.000	8.00E-5	0.0015	86.4900	8.6490
CBN	1500.000	1.40E-5	0.0015	21.9500	2.1950
CBG	1500.000	2.48E-4	0.0015	18.4200	1.8420
Delta-8 THC-O Acetate	15.000	2.70E-5	0.0003	16.0100	1.6010
CBC	1500.000	1.80E-5	0.0015	6.5800	0.6580
Delta6a10a-THC	1500.000	8.47E-5	0.0015	5.310	0.531
Delta-8 THCV	15.000	4.00E-5	0.0015	3.7190	0.3719
CBNA	15.000	9.50E-5	0.0015	1.3760	0.1376
CBCA	15.000	1.07E-4	0.0015	1.3630	0.1363
CBT	15.000	2.00E-4	0.0015	1.3600	0.1360
Delta-10 THC	1500.000	3.00E-6	0.0015	0.127	0.127
Delta-9 THC-O Acetate	15.000	7.70E-5	0.0003	1.1590	0.1159
CBDA	1500.000	1.00E-5	0.0015	0.7300	0.0730
CBD	1500.000	5.40E-5	0.0015	0.6400	0.0640
THCV	1500.000	7.00E-6	0.0015	0.3300	0.0330
CBDVA	15.000	1.40E-5	0.0015	0.2160	0.0216
CBDV	1500.000	6.50E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	1500.000	2.80E-5	7.5E-5	<LOQ	<LOQ
THCA-A	1500.000	3.20E-5	0.0015	<LOQ	<LOQ
CBL	15.000	3.50E-5	0.0015	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0015	<LOQ	<LOQ
THCVA	15.000	4.70E-5	0.0015	<LOQ	<LOQ

Potency Summary

Total Delta 8 8.896% 622.72mg	Total Delta 10 0.127% 8.890mg
Total HHC 1.923% 134.620mg	Total Active THC None Detected
Total Active CBD 0.128% 8.96mg	Total CBG 9.427% 659.89mg
Total CBN 2.316% 162.12mg	Other Cannabinoids 3.585% 250.95mg
Total Cannabinoids 27.638% 1934.681mg	

Summary Results determined from two distinct Potency Tests - Delta 8/Delta 10 Potency 13 - (LCUV) + Potency 21 (LCUV)

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 Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active 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), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + 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, + HHC 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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HHCP **HHCP**

Specimen Weight: 191.250 mg

Tested
SOP13.050 (LCMS)

Dilution Factor: 7500.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.1100E-7	7.5E-5	13.6000	1.36	9(S)-HHCP	2.5500E-6	7.5E-5	0.1360	0.0136
(9S)-HHC	8.7400E-7	7.5E-5	5.3700	0.537	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	<LOQ		Total HHC			19.2310	1.9231
9(R)-HHCP	3.0900E-6	7.5E-5	0.1250	0.0125					

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Lab Toxicologist
Ph.D., DABT

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