



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-091222
Batch Date: 2022-09-12
Extracted From: Hemp

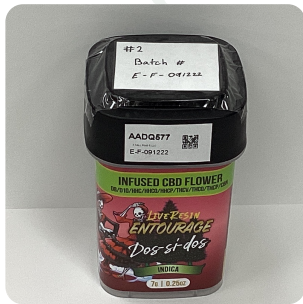
Test Reg State: Florida

Order # 3TA221027-050001
Order Date: 2022-10-27
Sample # AADQ577

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

Initial Gross Weight: 39.581 g
Net Weight: 4.821 g

Number of Units: 1
Net Weight per Unit: 7000.000 mg



Potency Tested

HHCP Tested

Product Image

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

Tested
SOP13.002 (LCUV)

Specimen Weight: 203.550 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBDA	1500.000	1.00E-5	0.0015	124.3700	12.4370
Delta-8 THC	1500.000	2.60E-5	0.0015	113.6200	11.3620
CBN	1500.000	1.40E-5	0.0015	27.0100	2.7010
CBD	1500.000	5.40E-5	0.0015	16.2700	1.6270
Delta-8 THC-O Acetate	15.000	2.70E-5	0.0003	14.4300	1.4430
CBG	1500.000	2.48E-4	0.0015	12.7400	1.2740
CBCA	15.000	1.07E-4	0.0015	7.3770	0.7377
CBC	1500.000	1.80E-5	0.0015	7.1900	0.7190
THCA-A	1500.000	3.20E-5	0.0015	3.4200	0.3420
CBGA	1500.000	8.00E-5	0.0015	2.8100	0.2810
Delta-8 THCV	15.000	4.00E-5	0.0015	2.6560	0.2656
CBNA	15.000	9.50E-5	0.0015	2.3950	0.2395
CBT	15.000	2.00E-4	0.0015	1.6120	0.1612
Delta-10 THC	1500.000	3.00E-6	0.0015	0.082	0.082
Delta-9 THC-O Acetate	15.000	7.70E-5	0.0003	0.7230	0.0723
CBDVA	15.000	1.40E-5	0.0015	0.4450	0.0445
THCV	1500.000	7.00E-6	0.0015	0.2400	0.0240
CBDV	1500.000	6.50E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	1500.000	2.80E-5	7.5E-5	<LOQ	<LOQ
Delta6a10a-THC	1500.000	8.47E-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 11.362% 795.34mg	Total Delta 10 0.082% 5.740mg
Total HHC 2.067% 144.720mg	Total Active THC 0.300% 21mg
Total Active CBD 12.534% 877.38mg	Total CBG 1.520% 106.4mg
Total CBN 2.911% 203.77mg	Other Cannabinoids 3.371% 235.97mg
Total Cannabinoids 35.962% 2517.326mg	

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%

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.



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-091222
Batch Date: 2022-09-12
Extracted From: Hemp

Test Reg State: Florida

Order # 3TA221027-050001
Order Date: 2022-10-27
Sample # AADQ577

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

Initial Gross Weight: 39.581 g
Net Weight: 4.821 g

Number of Units: 1
Net Weight per Unit: 7000.000 mg

HHCP **HHCP**

Specimen Weight: 203.550 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	13.2000	1.32	9(S)-HHCP	2.5500E-6	7.5E-5	0.1660	0.0166
(9S)-HHC	8.7400E-7	7.5E-5	5.7200	0.572	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	1.4300	0.143	Total HHC			20.6740	2.0674
9(R)-HHCP	3.0900E-6	7.5E-5	0.1580	0.0158					

Xueli Gao
Xueli Gao
Lab Toxicologist
Ph.D., DABT

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 = THC + (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 THC + 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%

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.