



**Certificate of Analysis**

R&D

Client Information:

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

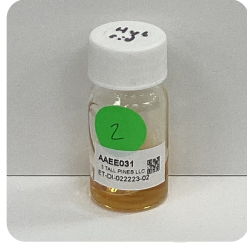
Batch # ET-DI-022223-02  
Batch Date: 2023-02-23  
Extracted From: Hemp

Test Reg State: Florida

Order # 3TA230302-130001  
Order Date: 2023-03-02  
Sample # AAEE031

Sampling Date: 2023-03-08  
Lab Batch Date: 2023-03-08  
Completion Date: 2023-03-14

Initial Gross Weight: 22.857 g



Product Image



Potency  
Tested



HHCP  
Tested

**Delta 8/Delta 10 Potency 13 -  
(LCUV) + Potency 23 (LCUV)**

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Specimen Weight: 59.240 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	1000.000	2.60E-5	0.0015	534.1400	53.4140
CBN	1000.000	1.40E-5	0.0015	53.2200	5.3220
CBG	1000.000	2.48E-4	0.0015	45.0100	4.5010
CBC	1000.000	1.80E-5	0.0015	21.8800	2.1880
Delta-8 THCv	10.000	4.00E-5	0.0015	15.0600	1.5060
CBT	10.000	2.00E-4	0.0015	3.8960	0.3896
CBNA	10.000	9.50E-5	0.0015	2.8770	0.2877
Delta9-THCP	10.000	1.17E-5	0.0012	2.2340	0.2234
Delta-8 THCP	10.000	3.75E-4	0.0015	0.4470	0.0447
Delta-8 THC-O Acetate	10.000	2.70E-5	0.0015	<LOQ	<LOQ
CBD	1000.000	5.40E-5	0.0015	<LOQ	<LOQ
CBDa	1000.000	1.00E-5	0.0015	<LOQ	<LOQ
CBDV	1000.000	6.50E-5	0.0015	<LOQ	<LOQ
CBGA	1000.000	8.00E-5	0.0015	<LOQ	<LOQ
Delta-10 THC	1000.000	3.00E-6	0.0015	<LOQ	<LOQ
Delta-9 THC	1000.000	2.80E-5	7.5E-5	<LOQ	<LOQ
Delta6a10a-THC	1000.000	8.47E-5	0.0015	<LOQ	<LOQ
THCA-A	1000.000	3.20E-5	0.0015	<LOQ	<LOQ
THCV	1000.000	7.00E-6	0.0015	<LOQ	<LOQ
CBCA	10.000	1.07E-4	0.0015	<LOQ	<LOQ
CBDVA	10.000	1.40E-5	0.0015	<LOQ	<LOQ
CBL	10.000	3.50E-5	0.0015	<LOQ	<LOQ
Delta-9 THC-O Acetate	10.000	7.70E-5	0.003	<LOQ	<LOQ
Exo-THC	10.000	2.30E-4	0.0015	<LOQ	<LOQ
THCVA	10.000	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD	1000.000			<LOQ	<LOQ
Total Active THC	1000.000			<LOQ	<LOQ

Tested  
SOP13.002 (LCUV)

**Potency Summary**

<b>Total Delta 8</b> 53.414% <LOQ	<b>Total Delta 10</b> None Detected
<b>Total HHC</b> 11.880% <LOQ	<b>Total Active THC</b> None Detected
<b>Total Active CBD</b> None Detected	<b>Total CBG</b> 4.501% <LOQ
<b>Total CBN</b> 5.575% <LOQ	<b>Other Cannabinoids</b> 4.448% <LOQ
<b>Total Cannabinoids</b> 79.756% <LOQ	

Summary Results determined from two distinct Potency Tests - Delta 8/Delta 10 Potency 13 - (LCUV) + Potency 23 (LCUV)

*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 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, 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, 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%

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

Batch # ET-DI-022223-02  
Batch Date: 2023-02-23  
Extracted From: Hemp

Test Reg State: Florida

Order # 3TA230302-130001  
Order Date: 2023-03-02  
Sample # AAEE031

Sampling Date: 2023-03-08  
Lab Batch Date: 2023-03-08  
Completion Date: 2023-03-14

Initial Gross Weight: 22.857 g

HHCP \*\*\*

Specimen Weight: 59.240 mg

Dilution Factor: 5000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.1100E-7	7.5E-5	81.7000	8.17	9(S)-HHCP	2.5500E-6	7.5E-5	0.6590	0.0659
(9S)-HHC	8.7400E-7	7.5E-5	35.9000	3.59	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	<LOQ	<LOQ	Total HHC			118.7990	11.8799
9(R)-HHCP	3.0900E-6	7.5E-5	0.5400	0.054					

Tested

SOP13.050 (LCMS)

*Aixia Sun*

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



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