

## Certificate of Analysis

<b>Company:</b> Family Tree, LLC	<b>Sample ID:</b> Spring 2021- House Blend Rosin (Base of product line)	<b>Report Date:</b> 2/23/2021
PO Box 400	<b>Lot:</b> NA	<b>Date Analyzed:</b> 2/22/2021
Sheldon Springs, VT 05485	<b>Matrix:</b> Other	<b>Analyst:</b> SCG
<b>Customer ID:</b> 200210-0	<b>Date Sampled:</b> 2/19/2021	<b>Report ID:</b> C210219AV
<b>Grower License #:</b> 50_2021_00000105	<b>Date Received:</b> 2/19/2021	

### Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	5.90	0.59
CBDA	0.0008	28.73	2.87
CBGA	0.0008	<LOQ	<LOQ
CBG	0.0019	10.75	1.07
CBD	0.0019	708.21	70.82
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	26.71	2.67
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	<LOQ	<LOQ
CBC	0.0024	64.72	6.47
<b>Total THC</b>		26.71	2.67
<b>Total CBD</b>		733.41	73.34
<b>Total Cannabinoids</b>		845.02	84.50

2.67%

Total THC

73.34%

Total CBD

84.5%

Total Cannabinoids

2.67%

Δ9-THC

N/A

Percent Moisture

1 : 27.5

THC : CBD Ratio

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group.

These values are calculated as follows:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC} \quad \text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD}$$

$$\text{Ratio of Total CBD: Total THC} \quad \text{Reagent Blanks: } < \text{LOQs for all analytes}$$

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.



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