Bia Diagnostics Laboratories

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Certificate of Analysis

Company: Family Tree
PO Box 400
Sheldon Springs, VT 05485
Customer ID: 200210-0
Grower License #: 50_2021_00000105

Sample ID: House Blend Rosin R19
Lot: NA
Matrix: Concentrate
Date Sampled: NA
Date Received: 7/26/2021

Report Date: 7/28/2021
Date Analyzed: 7/27/2021
Analyst: SCG
Report ID: C210726AA

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	4.31	0.43
CBDA	0.0008	61.59	6.16
CBGA	0.0008	<LOQ	<LOQ
CBG	0.0019	8.48	0.85
CBD	0.0019	606.82	60.68
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	22.82	2.28
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	<LOQ	<LOQ
CBC	0.0024	59.84	5.98
Total THC		22.82	2.28
Total CBD		660.84	66.08
Total Cannabinoids		763.85	76.39

2.28% **Total THC**	66.08% **Total CBD**
76.39% **Total Cannabinoids**	2.28% **Δ9-THC**
N/A **Percent Moisture**	1 : 29 **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:
Total THC = (THCA x 0.877) + Δ9-THC
Total CBD = (CBDA x 0.877) + CBD
Ratio of Total CBD: Total THC
Reagent Blanks: < 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.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.
Δ9-THC MU = ±0.000056%
Total THC MU = ±0.00009%
All other cannabinoid MU values are available upon request.