

Sunshine #4 Flower Rosin

 Sample ID: BIA250211S0001
 Strain: Sunshine #4

 Produced:
 Collected:
 Received: 02/11/2025
 Completed: 02/20/2025
 Batch#: MANU0002-169

 Client
Family Tree Hemp Company

 Matrix: Concentrates & Extracts
 Type: Rosin
 Sample Size: 1 units
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	02/14/2025	Complete
Microbials	02/13/2025	Complete

Cannabinoids

Completed

70.36% Total THC	0.18% Total CBD	84.36% Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass	
				mg/mL	mg/container
CBDVa	0.0001	<LOQ	<LOQ		
CBDV	0.0001	<LOQ	<LOQ		
CBDa	0.0001	0.20	2.0		
CBGa	0.0001	4.72	47.2		
CBG	0.0002	0.42	4.2		
CBD	0.0002	<LOQ	<LOQ		
THCV	0.0002	<LOQ	<LOQ		
CBN	0.0001	<LOQ	<LOQ		
Δ9-THC	0.0002	10.14	101.4		
Δ8-THC	0.0002	<LOQ	<LOQ		
Δ10-THC	0.0000	<LOQ	<LOQ		
CBC	0.0002	0.21	2.1		
THCa	0.0003	68.67	686.7		
Total THC		70.36	703.60		
Total CBD		0.18	1.77		
Total		84.36	843.64	0.00	0.00

Analyst: 056

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:

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

$$\text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD Reagent}$$

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 = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




 Luke Emerson-Mason
 Laboratory Director
 02/20/2025

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Pathogens

Completed

Pathogens	LOD	Results
	CFU/g	CFU/g
Aspergillus	5	Not Detected
Shiga Toxin E. Coli	5	Not Detected
Salmonella SPP	5	Not Detected

Analyst: 018

Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

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

Reagent Blanks: <LOD for all analytes




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Laboratory Director
02/20/2025

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