

Indoor Sunshine #4

 Sample ID: BIA241121S0032
 Strain: Sunshine #4

 Produced:
 Collected:
 Received: 11/21/2024
 Completed: 11/26/2024
 Batch#: CLTV0014-126-156

 Client
Family Tree Hemp Company

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 3.2 g
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	11/25/2024	Complete
Moisture	11/22/2024	10.40% - Complete
Water Activity	11/22/2024	0.518 aw - Complete

Cannabinoids

Completed

24.57% Total THC	0.07% Total CBD	29.36% Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0005	0.04	0.4	
CBDV	0.0012	<LOQ	<LOQ	
CBDa	0.0008	0.08	0.8	
CBGa	0.0008	1.15	11.5	■
CBG	0.0019	0.17	1.7	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	1.46	14.6	■
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	0.11	1.1	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	26.35	263.5	■
Total THC		24.57	245.73	■
Total CBD		0.07	0.73	■
Total		29.36	293.63	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
 11/26/2024

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