

# Gel

 Sample ID: BIA241028S0020  
 Strain: Gel

 Produced:  
 Collected:  
 Received: 11/04/2024  
 Completed: 11/08/2024  
 Batch#: HL-CLTV0014-124-152

 Client  
**Family Tree Hemp Company**

 Matrix: Plant  
 Type: Flower - Cured  
 Sample Size: 3 g  
 Lot#:


## Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	11/06/2024	Complete
Moisture	11/06/2024	11.80% - Complete
Water Activity	11/06/2024	0.590 aw - Complete
Terpenes	11/06/2024	Complete

## Cannabinoids

Completed

<b>22.67%</b> Total THC	<b>0.04%</b> Total CBD	<b>27.86%</b> Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0005	<LOQ	<LOQ	
CBDV	0.0012	<LOQ	<LOQ	
CBDa	0.0008	0.05	0.5	
CBGa	0.0008	1.97	19.7	
CBG	0.0019	0.07	0.7	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.57	5.7	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	25.21	252.1	
<b>Total THC</b>		<b>22.67</b>	<b>226.75</b>	
<b>Total CBD</b>		<b>0.04</b>	<b>0.42</b>	
<b>Total</b>		<b>27.86</b>	<b>278.62</b>	<b>0.00</b>

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: &lt; 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 (&lt;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  
 11/08/2024

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## Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	6.404	0.640
Ocimene	0.010	6.302	0.630
β-Caryophyllene	0.010	4.255	0.425
β-Myrcene	0.010	2.409	0.241
α-Humulene	0.010	1.805	0.180
Linalool	0.010	1.590	0.159
β-Pinene	0.010	1.590	0.159
α-Pinene	0.010	1.289	0.129
Terpinolene	0.010	0.167	0.017
Camphene	0.010	0.160	0.016
trans-Nerolidol	0.010	0.054	0.005
Eucalyptol	0.010	0.041	0.004
γ-Terpinene	0.010	0.014	0.001
3-Carene	0.010	<LOQ	<LOQ
α-Bisabolol	0.010	<LOQ	<LOQ
α-Terpinene	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
<b>Total</b>		<b>26.080</b>	<b>2.608</b>

## Primary Aromas



Analyst: 045

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

Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: &lt; LOQs for all analytes

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

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 Laboratory Director  
 11/08/2024

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