

## Mulberry OG

 Sample ID: BIA240430S0025  
 Strain: Harvest Lot SCLT0291-0005

 Produced:  
 Collected:  
 Received: 04/30/2024  
 Completed: 05/09/2024  
 Batch#:

 Client  
**The Farm at Bolton Dome LLC**  
 Lic. # SCLT0291  
 122 Champ Lane  
 Bolton, VT 05676

 Matrix: Plant  
 Type: Flower - Cured  
 Sample Size: 6 g  
 Lot#:


### Summary

Test	Date Tested	Result
Sample		In Progress
Cannabinoids	05/02/2024	Complete
Moisture	05/01/2024	11.20% - Complete
Water Activity	05/01/2024	0.533 aw - Complete
Terpenes	05/02/2024	Complete
Microbials	05/09/2024	Complete

### Cannabinoids

Completed

<b>18.24%</b> Total THC	<b>0.06%</b> Total CBD	<b>21.73%</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	0.06	0.6	
CBGa	0.0008	0.73	7.3	
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	0.20	2.0	
Δ8-THC	0.0019	<LOQ	<LOQ	
THCa	0.0034	20.57	205.7	
CBC	0.0024	<LOQ	<LOQ	
<b>Total THC</b>		<b>18.24</b>	<b>182.39</b>	
<b>Total CBD</b>		<b>0.06</b>	<b>0.57</b>	
<b>Total</b>		<b>21.73</b>	<b>217.33</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 analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.




 Luke Emerson-Mason  
 Laboratory Director  
 05/09/2024

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### Terpenes

In Progress

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
β-Myrcene	0.010	7.193	0.719
β-Caryophyllene	0.010	4.023	0.402
Limonene	0.010	3.894	0.389
α-Humulene	0.010	1.463	0.146
Linalool	0.010	1.073	0.107
β-Pinene	0.010	0.793	0.079
α-Pinene	0.010	0.412	0.041
Guaiol	0.010	0.216	0.022
α-Bisabolol	0.010	0.097	0.010
Camphene	0.010	0.073	0.007
Terpinolene	0.010	0.060	0.006
Eucalyptol	0.010	0.046	0.005
γ-Terpinene	0.010	0.017	0.002
3-Carene	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
Isopulegol	0.010	<LOQ	<LOQ
Ocimene	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
<b>Total</b>		<b>19.361</b>	<b>1.936</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.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.




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 05/09/2024

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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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