

5.03

 Sample ID: BIA240722S0016
 Strain: MANGO

 Produced:
 Collected:
 Received: 07/22/2024
 Completed: 07/26/2024
 Batch#:

 Client
Clovis LLC
 Lic. # CLTV0099
 506 Marcoux Rd
 Hyde Park, VT 05655

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 5 g
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	07/24/2024	Complete
Moisture	07/22/2024	10.70% - Complete
Water Activity	07/22/2024	0.532 aw - Complete
Terpenes	07/22/2024	Complete
Microbials	07/25/2024	Complete

Cannabinoids

Completed

24.99% Total THC	0.06% Total CBD	29.27% 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	0.07	0.7	
CBGa	0.0008	0.71	7.1	
CBG	0.0019	0.15	1.5	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	1.07	10.7	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	27.27	272.7	
Total THC		24.99	249.90	
Total CBD		0.06	0.60	
Total		29.27	292.72	0.00

Analyst: 052

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:

 $Total\ THC = (THCA \times 0.877) + \Delta 9-THC$
 $Total\ CBD = (CBDA \times 0.877) + CBD\ Reagent$

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




 Luke Emerson-Mason
 Laboratory Director
 07/26/2024

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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
β-Myrcene	0.010	7.546	0.755
Ocimene	0.010	2.741	0.274
Limonene	0.010	1.331	0.133
α-Pinene	0.010	0.944	0.094
Linalool	0.010	0.715	0.071
β-Caryophyllene	0.010	0.610	0.061
β-Pinene	0.010	0.591	0.059
α-Humulene	0.010	0.253	0.025
Guaiol	0.010	0.104	0.010
α-Bisabolol	0.010	0.072	0.007
Camphene	0.010	0.024	0.002
Caryophyllene Oxide	0.010	0.022	0.002
Terpinolene	0.010	0.019	0.002
3-Carene	0.010	<LOQ	<LOQ
α-Terpinene	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Eucalyptol	0.010	<LOQ	<LOQ
γ-Terpinene	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		14.971	1.497

Primary Aromas



Analyst:

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

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

Reagent Blanks: < 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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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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