

6.05

Sample ID: BIA241121S0013
Strain: Black Garlic

Produced:
Collected:
Received: 11/21/2024
Completed: 11/27/2024
Batch#:

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

Matrix: Plant
Type: Flower - Cured
Sample Size: 3.76 g
Lot#:



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	11/25/2024	Complete
Moisture	11/22/2024	9.50% - Complete
Water Activity	11/22/2024	0.460 aw - Complete

Cannabinoids

Completed

15.06% Total THC	0.07% Total CBD	18.07% 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	0.82	8.2	
CBG	0.0019	0.08	0.8	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.48	4.8	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	16.62	166.2	
Total THC		15.06	150.57	
Total CBD		0.07	0.65	
Total		18.07	180.73	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:
Total THC = (THCa x 0.877) + Δ9-THC
Total CBD = (CBDA x 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 and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




Luke Emerson-Mason
Laboratory Director
11/27/2024

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6.05

Sample ID: BIA241104S0004
Strain: Black Garlic

Matrix: Plant
Type: Flower - Cured
Sample Size: 8.59 g
Lot#:

Produced:
Collected:
Received: 11/04/2024
Completed: 11/11/2024
Batch#:

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



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	11/06/2024	Complete
Moisture	11/05/2024	9.60% - Complete
Water Activity	11/05/2024	0.476 aw - Complete
Terpenes	11/06/2024	Complete
Microbials	11/08/2024	Complete

Cannabinoids

Completed

14.97% Total THC	0.07% Total CBD	18.04% 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	0.08	0.8	
CBGa	0.0008	0.85	8.5	
CBG	0.0019	0.08	0.8	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.30	3.0	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	16.73	167.3	
Total THC		14.97	149.73	
Total CBD		0.07	0.69	
Total		18.04	180.37	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:

Total THC = (THCa x 0.877) + Δ9-THC

Total CBD = (CBDA x 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 and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




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Laboratory Director
11/11/2024

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6.05

Sample ID: BIA241104S0004
Strain: Black Garlic

Produced:
Collected:
 Received: 11/04/2024
 Completed: 11/11/2024
Batch#:
Client:
Clovis LLC
 Lic. # CLTV0099
 506 Marcoux Rd
 Hyde Park, VT 05655

Matrix: Plant
Type: Flower - Cured
Sample Size: 8.59 g
Lot#:

Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	5.904	0.590
Ocimene	0.010	4.292	0.429
Linalool	0.010	2.906	0.291
β-Caryophyllene	0.010	1.987	0.199
β-Pinene	0.010	1.379	0.138
β-Myrcene	0.010	1.067	0.107
α-Pinene	0.010	0.766	0.077
α-Humulene	0.010	0.747	0.075
Camphene	0.010	0.185	0.018
Terpinolene	0.010	0.108	0.011
Eucalyptol	0.010	0.043	0.004
γ-Terpinene	0.010	0.016	0.002
α-Terpinene	0.010	0.016	0.002
α-Bisabolol	0.010	0.011	0.001
3-Carene	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
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		19.426	1.943

Primary Aromas



Analyst: 048

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




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6.05

Sample ID: BIA241104S0004
Strain: Black Garlic

Matrix: Plant
Type: Flower - Cured
Sample Size: 8.59 g
Lot#:

Produced:
Collected:
Received: 11/04/2024
Completed: 11/11/2024
Batch#:

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

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: 049

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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Lot 006

Sample ID: BIA241104S0007
Strain: Lot 006 GMOO, DP, BG, CP, SB

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

Produced:
Collected:
Received: 11/04/2024
Completed: 11/11/2024
Batch#:

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

Pesticides

Completed

Category 1 Pesticides	LOQ	Results
	PPM	PPM
Chlorpyrifos	0.0010	<LOQ
Imazalil	0.0010	<LOQ
Category 2 Pesticides	LOQ	Results
	PPM	PPM
Abamectin	0.0100	<LOQ
Acephate	0.0010	<LOQ
Acequinocyl	0.0010	<LOQ
Azoxystrobin	0.0010	<LOQ
Bifenazate	0.0010	<LOQ
Bifenthrin	0.0010	<LOQ
Carbaryl	0.0010	<LOQ
Cypermethrin	0.0100	<LOQ
Etoxazole	0.0010	<LOQ
Imidacloprid	0.0010	<LOQ
Myclobutanil	0.0010	<LOQ
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

Analyst: 056

Pesticides Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

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

ppm = parts per million

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




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