

CLTV0238-4113-3

 Sample ID: BIA240519S0003
 Strain: Apple Fritter

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 4 g
 Lot#:

 Produced:
 Collected:
 Received: 05/20/2024
 Completed: 05/23/2024
 Batch#:

 Client
Emerald Visions
 Lic. # CLTV0238
 2348 Vt Rt 78
 Alburgh, VT 05440


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	05/22/2024	Complete
Moisture	05/21/2024	10.00% - Complete
Water Activity	05/21/2024	0.493 aw - Complete
Terpenes	05/21/2024	Complete

Cannabinoids

Completed

18.85%		0.05%		22.08%	
Total THC		Total CBD		Total Cannabinoids	
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	0.52	5.2		
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		
THCa	0.0034	20.94	209.4		
CBC	0.0024	<LOQ	<LOQ		
Total THC		18.85	188.48		
Total CBD		0.05	0.48		
Total		22.08	220.77	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 analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.




 Luke Emerson-Mason
 Laboratory Director
 05/23/2024

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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
β-Caryophyllene	0.010	8.443	0.844
Limonene	0.010	7.969	0.797
α-Pinene	0.010	5.294	0.529
α-Humulene	0.010	3.978	0.398
Linalool	0.010	3.846	0.385
β-Pinene	0.010	3.420	0.342
β-Myrcene	0.010	1.155	0.115
Camphene	0.010	0.373	0.037
Terpinolene	0.010	0.174	0.017
α-Bisabolol	0.010	0.108	0.011
Caryophyllene Oxide	0.010	0.073	0.007
Geraniol	0.010	0.034	0.003
Eucalyptol	0.010	0.034	0.003
3-Carene	0.010	<LOQ	<LOQ
α-Terpinene	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
γ-Terpinene	0.010	<LOQ	<LOQ
Guaiol	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
Total		34.901	3.490

Primary Aromas

 Cinnamon	 Orange	 Pine	 Hops	 Lavender
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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 (<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.

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 Laboratory Director
 05/23/2024

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Certificate of Analysis

Company: Emerald Visions, LLC

Sample ID: Apple Fritter

Lot: CLTV0238-4113-3

Matrix: Flower

Report Date: 5/2/2024

Date Analyzed: 5/2/2024

Customer ID: 221019-3

Date Sampled: N/A

Analyst: 018

Grower License #: CLTV0238

Date Received: 4/22/2024

Report ID: C240422AF

Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	< LOD
STEC	STEC Virx AOAC PTM No. 121203	5	< LOD
Salmonella spp.	Salmonella II AOAC PTM No. 010803	5	< LOD



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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Certified by: 
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

CLTV0238-4113

 Sample ID: BIA240519S0004
 Strain: PS, G42, AF

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

 Produced:
 Collected:
 Received: 05/20/2024
 Completed: 05/23/2024
 Batch#:

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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
Etoazole	0.0010	<LOQ
Imidacloprid	0.0010	<LOQ
Myclobutanil	0.0010	<LOQ
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

Analyst: 045

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




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