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 Colchester, VT 05446
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Certificate of Analysis

Client Name: Stone Leaf Process, LLC
License Number: MANU0031

Sample ID: VT12183
Sample Name: Big Grape Live Rosin
Sample Lot: manu0031-170
Sample Matrix: Mechanical Extraction Concentrates
Date Received: 8/8/2024
Date Reported: 8/14/2024
Date Tested: 8/9/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #37047

Analyte	Result	Pass/Fail
A. Fumigatus	None Detected	PASS
A. Niger	None Detected	PASS
A. Flavus	None Detected	PASS
A. Terreus	None Detected	PASS
STEC	None Detected	PASS
Salmonella	None Detected	PASS



Callie Chapman

Callie Chapman
 Lab Director
 8/14/2024

Rev. 1 Initial Release

In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.



5.01

 Sample ID: BIA24072250014
 Strain: Big Grape

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

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

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


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	07/24/2024	Complete
Moisture	07/22/2024	11.10% - Complete
Water Activity	07/22/2024	0.554 aw - Complete
Terpenes	07/22/2024	Complete
Microbials	07/25/2024	Complete

Cannabinoids

Completed

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	0.35	3.5	
CBG	0.0019	0.34	3.4	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.25	2.5	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	24.20	242.0	
Total THC		21.47	214.72	
Total CBD		0.05	0.51	
Total		25.20	252.03	0.00

Analyte: 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 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 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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 (866) 506-5866
www.confidentlims.com


5.01

 Sample ID: BIA24072250014
 Strain: Big Grape

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

 Produced:
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 Batch#:

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

Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
β-Myrcene	0.010	6.414	0.641
Limonene	0.010	3.379	0.338
β-Caryophyllene	0.010	1.518	0.152
β-Pinene	0.010	1.068	0.107
Linalool	0.010	0.742	0.074
α-Pinene	0.010	0.589	0.059
α-Humulene	0.010	0.541	0.054
Camphene	0.010	0.106	0.011
Terpinolene	0.010	0.056	0.006
Caryophyllene Oxide	0.010	0.018	0.002
3-Carene	0.010	<LOQ	<LOQ
α-Bisabolol	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
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		14.432	1.443

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.

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5.01Sample ID: BIA24072250014
Strain: Big GrapeProduced:
Collected:
Received: 07/22/2024
Completed: 07/26/2024
Batch#:Client:
Clovis LLC
Lic. # CLTV0099
506 Marcoux Rd
Hyde Park, VT 05655Matrix: Plant
Type: Flower - Cured
Sample Size: 5 g
Lot#:

Pathogens

Completed

Pathogens	LOD CFU/g	Results CFU/g
Aspergillus	5	Not Detected
Shiga Toxin E. Coli	5	Not Detected
Salmonella SPP	5	Not Detected

Analyst: 018

Test Methodology: Blo-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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Pesticide Composite

 Sample ID: BIA240722S0021
 Strain: Lot 005 BG, G45, Mango

 Produced:
 Collected: 07/22/2024
 Completed: 07/25/2024
 Batch#:

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

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

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



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