

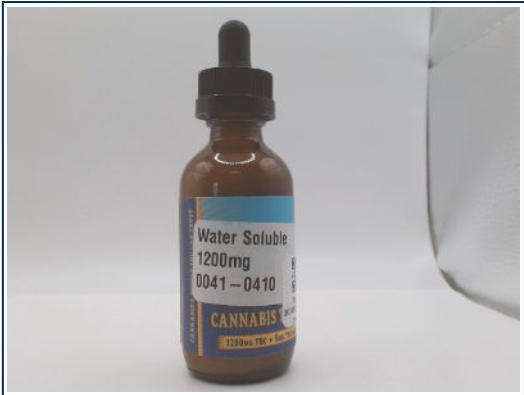


261 Mountain View Dr
 Colchester, VT 05446
 License #: TLAB0030
 802-767-7256
 info@onwardanalytics.biz

Certificate of Analysis

Client Name: Somewhere on the Mountain
License Number: MANU0041

Sample ID: VT16933
Sample Name: Water Soluble 1200mg
Sample Lot: 041-0410
Sample Matrix: Tinctures
Date Received: 12/26/2024
Date Reported: 12/27/2024
Date Tested: 12/26/2024



Total Cannabinoids				
	%	mg/g	mg/mL	mg/unit
Total THC:	2.007	20.068	19.857	1191.420
Total CBD:	--	--	--	0.000
Total Cannabinoids:	2.058	20.581	20.365	1221.900
Unit Volume (mL): 60				

Total theoretical CBD % = (CBD%) + (CBDA% * 0.877)
Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #55011

Analyte	%	mg/g	mg/mL	mg/unit	LOD (mg/g)	LOQ (mg/g)
CBC	< LOQ	< LOQ	< LOQ	<LOQ	0.0003	0.0040
CBCA	ND	ND	ND	ND	0.0002	0.0040
CBD	< LOQ	< LOQ	< LOQ	<LOQ	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	0.0513	0.513	0.508	30.48	0.0009	0.0040
CBGA	ND	ND	ND	ND	0.0001	0.0040
CBN	< LOQ	< LOQ	< LOQ	<LOQ	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	ND	0.0012	0.0040
D9 THC	2.0068	20.068	19.857	1191.42	0.0016	0.0049
D10 THC	< LOQ	< LOQ	< LOQ	<LOQ	0.0004	0.0040
THCA	ND	ND	ND	ND	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	ND	ND	ND	ND	0.0002	0.0040

Callie Chapman
 Lab Director
 12/27/2024

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.

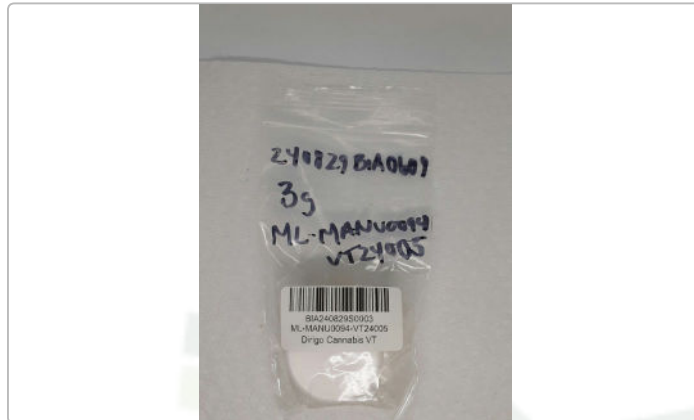


ML-MANU0094-VT24005

 Sample ID: BIA240829S0003
 Strain:

 Produced:
 Collected:
 Received: 09/03/2024
 Completed: 09/06/2024
 Batch#:

 Client
Dirigo Cannabis VT
 Lic. # Manu0094
 217 Quarry Rd.
 Middlebury, VT 05753

 Matrix: Concentrates & Extracts
 Type: Distillate
 Sample Size: 9.01 g
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	09/05/2024	Complete
Residual Solvents	09/04/2024	Complete
Pesticides	09/05/2024	Complete
Heavy Metals	09/05/2024	Complete

Cannabinoids

Completed

78.12% Total THC	2.85% Total CBD	88.16% Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass	
	%	%	mg/g	mg/mL	mg/container
CBDVa	0.0001	<LOQ	<LOQ		
CBDV	0.0001	<LOQ	<LOQ		
CBDa	0.0001	<LOQ	<LOQ		
CBGa	0.0001	<LOQ	<LOQ		
CBG	0.0002	4.77	47.7		
CBD	0.0002	2.85	28.5		
THCV	0.0002	0.67	6.7		
CBN	0.0001	0.92	9.2		
Δ9-THC	0.0002	78.12	781.2		
Δ8-THC	0.0002	<LOQ	<LOQ		
Δ10-THC	0.0000	<LOQ	<LOQ		
CBC	0.0002	0.83	8.3		
THCa	0.0003	<LOQ	<LOQ		
Total THC		78.12	781.20		
Total CBD		2.85	28.47		
Total		88.16	881.62	0.00	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:

$$\text{Total THC} = (\text{THCa} \times 0.877) + \Delta 9\text{-THC}$$

$$\text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD Reagent}$$

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
 09/06/2024

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 (866) 506-5866
www.confidentlims.com


ML-MANU0094-VT24005

 Sample ID: BIA240829S0003
 Strain:

 Produced:
 Collected:
 Received: 09/03/2024
 Completed: 09/06/2024
 Batch#:

 Client
Dirigo Cannabis VT
 Lic. # Manu0094
 217 Quarry Rd.
 Middlebury, VT 05753

 Matrix: Concentrates & Extracts
 Type: Distillate
 Sample Size: 9.01 g
 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: 048

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.




 Luke Emerson-Mason
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 09/06/2024

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ML-MANU0094-VT24005

Sample ID: BIA240829S0003
Strain:

Produced:
Collected:
Received: 09/03/2024
Completed: 09/06/2024
Batch#:

Client
Dirigo Cannabis VT
Lic. # Manu0094
217 Quarry Rd.
Middlebury, VT 05753

Matrix: Concentrates & Extracts
Type: Distillate
Sample Size: 9.01 g
Lot#:

Heavy Metals

Completed

Analyte	LOQ	Results
	µg/g	µg/g
Chromium	0.0001	NT
Nickel	0.0001	NT
Copper	0.0001	NT
Zinc	0.0001	NT
Arsenic	0.0001	0.0041
Cadmium	0.0001	0.0002
Mercury	0.0001	<LOQ
Lead	0.0001	<LOQ
Total		0.0043

Analyst: 052

Heavy Metal Methodology: ICP-MS using PerkinElmer NexION® 2000 ICP Mass Spectrometer

Reagent Blanks: < LOQs for all analytes

ppm = parts per million

LOQ = The lowest quantity that this method can reliably detect. Any heavy metal 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.

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




Luke Emerson-Mason
Laboratory Director
09/06/2024

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ML-MANU0094-VT24005

Sample ID: BIA240829S0003
Strain:

Produced:
Collected:
Received: 09/03/2024
Completed: 09/06/2024
Batch#:

Client
Dirigo Cannabis VT
Lic. # Manu0094
217 Quarry Rd.
Middlebury, VT 05753

Matrix: Concentrates & Extracts
Type: Distillate
Sample Size: 9.01 g
Lot#:

Residual Solvents

Completed

Analyte	LOQ	Results
	µg/g	µg/g
Acetone	50.00	<LOQ
Acetonitrile	50.00	<LOQ
Benzene	0.50	<LOQ
n-Butane	50.00	<LOQ
Chloroform	5.00	<LOQ
Ethanol	500.00	<LOQ
Ethyl-Acetate	500.00	<LOQ
Ethyl-Ether	500.00	<LOQ
Heptane	500.00	<LOQ
n-Hexane	5.00	<LOQ
Isopropanol	50.00	<LOQ
Methanol	50.00	<LOQ
Dichloromethane	50.00	<LOQ
n-Pentane	500.00	<LOQ
Propane	500.00	<LOQ
Toluene	50.00	<LOQ
Trichloroethylene	500.00	<LOQ
Xylenes	50.00	<LOQ
Total		0

Analyst: 056

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

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

Reagent Blanks: < LOQs for all analytes




Luke Emerson-Mason
Laboratory Director
09/06/2024

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Certificate of Analysis

Company: Jeezum Crow Bud Co.

Sample ID: Harvest Lot

Lot: 3

Report Date: 10/9/2023

Matrix: Flower

Date Analyzed: 10/9/2023

Customer ID: 191206-01

Date Sampled: N/A

Analyst: 048

Grower License #: CLTV0070

Date Received: 9/26/2023

Report ID: C230926BG

Pesticides/Mycotoxins Summary

Category II Residual Pesticide	LOQ (ppm)	Concentration (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
Pyrethrin I	0.0010	<LOQ
Pyrethrin II	0.0010	<LOQ
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

Category II Mycotoxin	LOQ (ppm)	Concentration (ppm)
Ochratoxin A	0.0020	NOT TESTED
Aflatoxin B1	0.0002	NOT TESTED
Alfatoxin B2	0.0010	NOT TESTED
Alfatoxin G1	0.0002	NOT TESTED
Alfatoxin G2	0.0010	NOT TESTED

Category I Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Chlorpyrifos	0.0010	<LOQ
Imazalil	0.0010	<LOQ

11.20%
Percent Moisture



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).

All results reflect dry weight of material, based on % moisture of the sample.

ppb = parts per billion

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

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

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

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Results apply to the samples as received.

Certificate of Analysis

Company: Jeezum Crow Bud Co.

Sample ID: Harvest Lot

Lot: 3

Matrix: Flower

Date Sampled: N/A

Date Received: 9/26/2023

Report Date: 10/5/2023

Date Analyzed: 10/5/2023

Analyst: 018

Report ID: C230926BG

Customer ID: 191206-01

Grower License #: CLTV0070

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 E. M.*
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)