



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: 20251204-27131
Sample Name: Rippin Strip Blackberry
Sample Lot: MANU0041-VT25020-DG-25-BLK-1
Sample Matrix: Gummy
Date Received: 12/4/2025
Date Reported: 12/11/2025
Date Tested: 12/8/2025



Total Cannabinoids			
	%	mg/g	mg/unit
Total THC:	0.366	3.662	10.851
Total CBD:	0.003	0.032	0.095
Total Cannabinoids:	0.389	3.893	11.535
Unit Weight (g): 2.963			

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-102-OA) | Test ID: #89178

Analyte	%	mg/g	mg/unit	LOD (mg/g)	LOQ (mg/g)
CBC	0.004	0.040	0.119	0.0003	0.0040
CBCA	ND	ND	ND	0.0002	0.0040
CBD	0.003	0.032	0.095	0.0008	0.0040
CBDA	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	0.0001	0.0040
CBG	0.011	0.111	0.329	0.0009	0.0040
CBGA	ND	ND	ND	0.0001	0.0040
CBN	0.005	0.048	0.142	0.0004	0.0040
CBNA	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	0.0012	0.0040
D9 THC	0.366	3.662	10.851	0.0016	0.0049
D10 THC	ND	ND	ND	0.0004	0.0040
THCA	< LOQ	< LOQ	<LOQ	0.0002	0.0040
THCV	< LOQ	< LOQ	<LOQ	0.0016	0.0049
THCVA	ND	ND	ND	0.0002	0.0040

Callie Chapman
 Lab Director
 12/11/2025

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.





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Sample Matrix: Gummy
Date Received: 12/4/2025
Date Reported: 12/11/2025
Date Tested: 12/8/2025



Total Cannabinoids			
	%	mg/g	mg/unit
Total THC:	0.377	3.771	11.530
Total CBD:	0.003	0.032	0.098
Total Cannabinoids:	0.401	4.009	12.258
Unit Weight (g): 3.0576			

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-102-OA) | Test ID: #89379

Analyte	%	mg/g	mg/unit	LOD (mg/g)	LOQ (mg/g)
CBC	0.004	0.042	0.128	0.0003	0.0040
CBCA	ND	ND	ND	0.0002	0.0040
CBD	0.003	0.032	0.098	0.0008	0.0040
CBDA	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	0.0001	0.0040
CBG	0.011	0.114	0.349	0.0009	0.0040
CBGA	ND	ND	ND	0.0001	0.0040
CBN	0.005	0.050	0.153	0.0004	0.0040
CBNA	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	0.0012	0.0040
D9 THC	0.377	3.771	11.530	0.0016	0.0049
D10 THC	ND	ND	ND	0.0004	0.0040
THCA	< LOQ	< LOQ	<LOQ	0.0002	0.0040
THCV	< LOQ	< LOQ	<LOQ	0.0016	0.0049
THCVA	ND	ND	ND	0.0002	0.0040

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 Lab Director
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Sample Matrix: Gummy
Date Received: 12/4/2025
Date Reported: 12/11/2025
Date Tested: 12/8/2025



Total Cannabinoids			
	%	mg/g	mg/unit
Total THC:	0.376	3.755	11.355
Total CBD:	0.003	0.032	0.097
Total Cannabinoids:	0.399	3.993	12.075
Unit Weight (g): 3.0241			

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-102-OA) | Test ID: #89380

Analyte	%	mg/g	mg/unit	LOD (mg/g)	LOQ (mg/g)
CBC	0.004	0.042	0.127	0.0003	0.0040
CBCA	ND	ND	ND	0.0002	0.0040
CBD	0.003	0.032	0.097	0.0008	0.0040
CBDA	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	0.0001	0.0040
CBG	0.011	0.114	0.345	0.0009	0.0040
CBGA	ND	ND	ND	0.0001	0.0040
CBN	0.005	0.050	0.151	0.0004	0.0040
CBNA	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	0.0012	0.0040
D9 THC	0.376	3.755	11.355	0.0016	0.0049
D10 THC	ND	ND	ND	0.0004	0.0040
THCA	< LOQ	< LOQ	<LOQ	0.0002	0.0040
THCV	< LOQ	< LOQ	<LOQ	0.0016	0.0049
THCVA	ND	ND	ND	0.0002	0.0040

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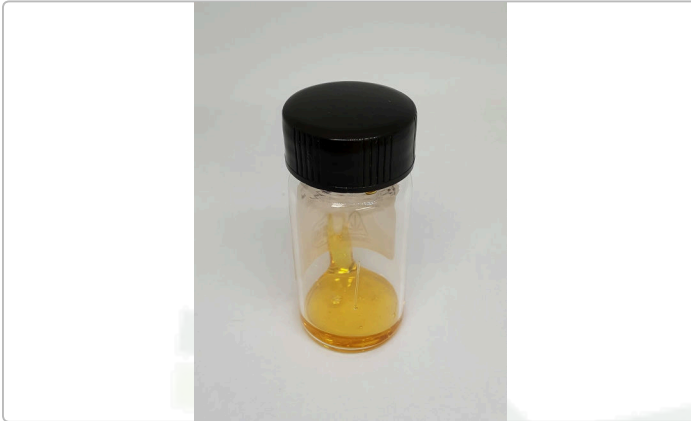


THC Distillate

Sample ID: BIA251015S0462
Strain:
Harvest Lot:
Matrix: Concentrates & Extracts
Type: Distillate
Sample Size: 1 units
Lot#:

Produced:
Collected:
Received: 10/15/2025
Completed: 10/27/2025
Batch#: ML-MANU0094-VT25023

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



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	10/16/2025	Complete
Residual Solvents	10/27/2025	Complete
Pesticides	10/16/2025	Complete
Heavy Metals	10/17/2025	Complete

Cannabinoids

Completed

87.96% Total THC						0.35% Total CBD			95.26% Total Cannabinoids						
Analyte	LOQ	Results	Results	Mass	Mass	Analyte	LOQ	Results	Results	Mass	Mass				
	%	%	mg/g	mg/mL	mg/container		%	%	mg/g	mg/mL	mg/container				
CBDVa	0.0000	<LOQ	<LOQ			CBCVa	0.0000	<LOQ	<LOQ						
CBDV	0.0000	<LOQ	<LOQ			CBNa	0.0000	<LOQ	<LOQ						
CBDa	0.0001	<LOQ	<LOQ			Δ9-THC	0.0001	87.96	879.6						
CBGa	0.0001	<LOQ	<LOQ			Δ8-THC	0.0000	<LOQ	<LOQ						
CBG	0.0001	4.35	43.5			Δ10-THC*	0.0000	<LOQ	<LOQ						
CBD	0.0001	0.35	3.5			CBL	0.0001	<LOQ	<LOQ						
THCV	0.0000	0.71	7.1			CBC	0.0000	0.79	7.9						
CBLV	0.0000	<LOQ	<LOQ			THCa	0.0001	<LOQ	<LOQ						
CBCV	0.0000	<LOQ	<LOQ			CBCa	0.0001	<LOQ	<LOQ						
THCVa	0.0000	<LOQ	<LOQ			CBLa	0.0001	<LOQ	<LOQ						
CBN	0.0001	1.10	11.0			Total THC		87.96	879.56						
						Total CBD		0.35	3.49						
						Total		95.26	952.61	0.00	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 and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.

*The result is the sum of delta-10 isomers.




 Luke Emerson-Mason
 Laboratory Director
 10/27/2025

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 (866) 506-5866
www.confidentlims.com


THC Distillate

Sample ID: BIA251015S0462
Strain:
Harvest Lot:
Matrix: Concentrates & Extracts
Type: Distillate
Sample Size: 1 units
Lot#:

Produced:
Collected:
Received: 10/15/2025
Completed: 10/27/2025
Batch#: ML-MANU0094-VT25023

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

Pesticides

Completed

Category 1 Pesticides	LOD	LOQ	Results
	PPM	PPM	PPM
Chlorpyrifos	0.0003	0.0010	ND
Imazalil	0.0003	0.0010	ND
Category 2 Pesticides	LOD	LOQ	Results
	PPM	PPM	PPM
Abamectin	0.0003	0.0010	ND
Acephate	0.001	0.0050	ND
Acequinocyl	0.0003	0.0010	ND
Azoxystrobin	0.00005	0.0010	ND
Bifenazate	0.0001	0.0010	ND
Bifenthrin	0.0001	0.0010	ND
Carbaryl	0.0001	0.0010	ND
Cypermethrin	0.001	0.0050	ND
Etoxazole	0.0001	0.0010	ND
Imidacloprid	0.00005	0.0010	ND
Myclobutanil	0.0001	0.0010	ND
Pyrethrins	0.001	0.0050	ND
Spinosyn A	0.0001	0.0010	ND
Spinosyn D	0.0003	0.0010	ND

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 quantify. Any pesticides or mycotoxins that were not quantifiable are 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.

ND = Not Detected (<LOD)




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THC Distillate

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Strain:
Harvest Lot:
Matrix: Concentrates & Extracts
Type: Distillate
Sample Size: 1 units
Lot#:

Produced:
Collected:
Received: 10/15/2025
Completed: 10/27/2025
Batch#: ML-MANU0094-VT25023

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

Heavy Metals

Completed

Analyte	LOQ	Results
	µg/g	µg/g
Chromium	0.0005	NT
Nickel	0.0005	NT
Copper	0.0005	NT
Zinc	0.0005	NT
Arsenic	0.0005	0.0016
Cadmium	0.0005	0.0062
Mercury	0.0001	<LOQ
Lead	0.0005	0.0160
Total		0.0238

Analyst: 048

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




Luke Emerson-Mason
 Laboratory Director
 10/27/2025

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THC Distillate

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Harvest Lot:
Matrix: Concentrates & Extracts
Type: Distillate
Sample Size: 1 units
Lot#:

Produced:
Collected:
Received: 10/15/2025
Completed: 10/27/2025
Batch#: ML-MANU0094-VT25023

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

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: 048

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




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10/27/2025

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