THC Distillate

Sample ID: BIA260318S0449
Strain: VT26003
Harvest Lot:
Matrix: Concentrates & Extracts
Type: Distillate
Sample Size: 1 units
Lot#: ML-MANU0094-VT26003

Produced:
Collected:
Received: 03/19/2026
Completed: 03/27/2026
Batch#:

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



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	03/20/2026	Complete
Residual Solvents	03/25/2026	Complete
Pesticides	03/23/2026	Complete
Heavy Metals	03/27/2026	Complete

Cannabinoids

Completed

89.35% Total THC	ND Total CBD	95.03% Total Cannabinoids

Analyte	LOQ	Results	Results	Mass	Mass
	mg/g	%	mg/g	mg/mL	mg/container
CBDVa	0.0003	<LOQ	<LOQ		
CBDV	0.0003	<LOQ	<LOQ		
CBDa	0.0005	<LOQ	<LOQ		
CBGa	0.0005	0.34	3.4		
CBG	0.0005	1.81	18.1		
CBD	0.0005	<LOQ	<LOQ		
THCV	0.0003	1.35	13.5		
CBLV	0.0003	<LOQ	<LOQ		
CBCV	0.0003	<LOQ	<LOQ		
THCVa	0.0003	<LOQ	<LOQ		
CBN	0.0005	1.51	15.1		

Analyte	LOQ	Results	Results	Mass	Mass
	mg/g	%	mg/g	mg/mL	mg/container
CBCVa	0.0003	<LOQ	<LOQ		
CBNa	0.0003	<LOQ	<LOQ		
Δ9-THC	0.0005	89.35	893.5		
Δ8-THC	0.0003	<LOQ	<LOQ		
Δ10-THC*	0.0002	<LOQ	<LOQ		
CBL	0.0005	<LOQ	<LOQ		
CBC	0.0003	0.67	6.7		
THCa	0.0005	<LOQ	<LOQ		
CBCa	0.0006	<LOQ	<LOQ		
CBLa	0.0005	<LOQ	<LOQ		
Total THC		**89.35**	**893.46**		
Total CBD		**ND**	**ND**	**ND**	**ND**
Total		**95.03**	**950.29**	**0.00**	**0.00**

Analyst: 063
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:
TotalTHC=(THCAx0.877)+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.
*The result is the sum of delta-10 isomers.

Luke Emerson-Mason
Laboratory Director
03/27/2026

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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: 062
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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Heavy Metals

Completed

Analyte	LOQ	Results
	µg/g	µg/g
Chromium	0.0005	<LOQ
Nickel	0.0005	<LOQ
Copper	0.0005	<LOQ
Zinc	0.0005	0.1363
Arsenic	0.0005	0.0023
Cadmium	0.0005	<LOQ
Mercury	0.0005	<LOQ
Lead	0.0005	<LOQ
Total		**0.1386**

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.
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03/27/2026

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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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