

Blue Dream

 Sample ID: BIA250812S0018
 Strain: MANU0012-046

 Produced:
 Collected:
 Received: 08/12/2025
 Completed: 08/25/2025
 Batch#:

 Client
Tilia Processing
 Lic. # MANU0012
 85 Industrial Park Rd
 Hardwick, VT 05843

 Matrix: Concentrates & Extracts
 Type: Full Spectrum Oil
 Sample Size: 1 units
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	08/22/2025	Complete
Residual Solvents	08/14/2025	Complete
Pesticides	08/13/2025	Complete
Heavy Metals	08/15/2025	Complete

Cannabinoids

Completed

84.56% Total THC						ND Total CBD				89.38% Total Cannabinoids							
Analyte	LOQ	Results	Results	Mass	Mass	Analyte	LOQ	Results	Results	Mass	Mass	Analyte	LOQ	Results	Results	Mass	Mass
	%	%	mg/g	mg/mL	mg/container		%	%	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	84.56	845.6								
CBGa	0.0001	<LOQ	<LOQ			Δ8-THC	0.0000	<LOQ	<LOQ								
CBG	0.0001	2.75	27.5			Δ10-THC*	0.0000	<LOQ	<LOQ								
CBD	0.0001	<LOQ	<LOQ			CBL	0.0001	<LOQ	<LOQ								
THCV	0.0000	0.40	4.0			CBC	0.0000	1.01	10.1								
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	0.65	6.5			Total THC		84.56	845.65								
						Total CBD		ND	ND	ND	ND						
						Total		89.38	893.77	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 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
 08/25/2025

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Pesticides

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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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Heavy Metals

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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	0.0022
Cadmium	0.0005	<LOQ
Mercury	0.0001	<LOQ
Lead	0.0005	0.0075
Total		0.0097

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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Residual Solvents

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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	1193.25
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		1193.25

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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08/25/2025

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