

Lifter-2024

 Sample ID: BIA241011S0001
 Strain: Lifter

 Produced:
 Collected:
 Received: 10/16/2024
 Completed: 10/23/2024
 Batch#:

 Client
Vermont Pure CBD
 Lic. # USDA_50_0004
 1916 Smith Street
 Shoreham, VT 05770

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 1 g
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	10/17/2024	Complete
Moisture	10/16/2024	11.20% - Complete
Water Activity	10/16/2024	0.562 aw - Complete
Terpenes	10/22/2024	Complete

Cannabinoids

Completed

0.88% Total THC	20.48% Total CBD	25.02% Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0005	0.16	1.6	
CBDV	0.0012	<LOQ	<LOQ	
CBDa	0.0008	23.00	230.0	
CBGa	0.0008	0.55	5.5	
CBG	0.0019	<LOQ	<LOQ	
CBD	0.0019	0.31	3.1	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	<LOQ	<LOQ	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	1.00	10.0	
Total THC		0.88	8.79	
Total CBD		20.48	204.79	
Total		25.02	250.20	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:

 $Total\ THC = (THCa \times 0.877) + \Delta 9-THC$
 $Total\ CBD = (CBDA \times 0.877) + CBD\ Reagent$

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.




 Luke Emerson-Mason
 Laboratory Director
 10/23/2024

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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
β-Myrcene	0.010	4.729	0.473
α-Pinene	0.010	2.577	0.258
β-Caryophyllene	0.010	2.033	0.203
β-Pinene	0.010	1.286	0.129
Limonene	0.010	1.199	0.120
Ocimene	0.010	1.128	0.113
α-Humulene	0.010	0.906	0.091
Terpinolene	0.010	0.893	0.089
Linalool	0.010	0.832	0.083
α-Bisabolol	0.010	0.156	0.016
3-Carene	0.010	0.069	0.007
α-Terpinene	0.010	0.030	0.003
Caryophyllene Oxide	0.010	0.026	0.003
γ-Terpinene	0.010	0.022	0.002
Camphene	0.010	0.021	0.002
cis-Nerolidol	0.010	<LOQ	<LOQ
Eucalyptol	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		15.908	1.591

Primary Aromas



Analyst: 048

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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