

Certificate of Analysis

Company: Lamoille Valley Extraction Solutions DBA, Zen Valley CBD 540 Harrel St Morrisville, VT 05661 Customer ID: 200210-1 Grower License #: NA	Sample ID: Sample: 1004-05 Batch: 21 CBD Oil Lot: 1004-05 Matrix: Oil Date Sampled: NA Date Received: 9/1/2020	Report Date: 9/4/2020 Date Analyzed: 9/2/2020 Analyst: SCG Report ID: C200901AE
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Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	1.63	0.16
CBGA	0.0008	<LOQ	<LOQ
CBG	0.0019	0.49	0.05
CBD	0.0019	31.31	3.13
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	1.19	0.12
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	<LOQ	<LOQ
CBC	0.0024	1.92	0.19
Total THC		1.19	0.12
Total CBD		32.74	3.27
Total Cannabinoids		36.54	3.65

0.12%

Total THC

3.27%

Total CBD

3.65%

Total Cannabinoids

0.12%

Δ9-THC

N/A

Percent Moisture

1 : 27.6

THC : CBD Ratio

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:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC} \quad \text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD}$$

Ratio of Total CBD: Total THC 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.



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