Bia Diagnostics
480 Hercules Dr
Colchester, VT 05446
(802) 540 0148

CERTIFICATE OF ANALYSIS

Company: Lamoille Valley Extraction Solutions
DBA Zen Valley CBD
540 Harrel St.
Morrisville, VT 05661

Customer ID: 200210-1
Date Received: 06/17/20
Report Date: 06/19/20

Sample ID: Test ID: 100103 Batch: 16
Lot Number: Test ID: 100103 Batch: 16
Matrix: Solid Oil

Analyst: SCG
Analyzed: 06/17/20
Report ID: C200617AA

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	0.22	0.02
CBDA	0.0008	2.86	0.29
CBGA	0.0008	<LOQ	<LOQ
CBG	0.0019	0.51	0.05
CBD	0.0019	21.57	2.16
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	1.01	0.10
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	<LOQ	<LOQ
CBC	0.0024	1.40	0.14
Total THC		1.01	0.10
Total CBD		24.08	2.41
Total Cannabinoids		27.58	2.76

0.10% Total THC	2.41% Total CBD
2.76% Total Cannabinoids	0.10% Δ9-THC
NA Percent Moisture	1 : 24 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:

Total THC = (THCA x 0.877) + Δ9-THC
Total CBD = (CBDA x 0.877) + 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.