Bia Diagnostics Laboratories

Office: 802-540-0148 | Fax: 802-540-0147
480 HERCULES DR. COLCHESTER, VT 05446

Certificate of Analysis

Company: Cattis LLC
85 Industrial Park Road
Hardwick, VT 05843
Customer ID: 201029-1
Grower License #: #50_2021_00000051

Sample ID: Serenity
Lot: 21-10160814
Matrix: Oil
Date Sampled: N/A
Date Received: 10/21/2021

Report Date: 10/29/2021
Date Analyzed: 10/28/2021
Analyst: SCG
Report ID: C211021AB

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	0.16	0.02
CBDA	0.0008	<LOQ	<LOQ
CBGA	0.0008	<LOQ	<LOQ
CBG	0.0019	0.35	0.04
CBD	0.0019	22.60	2.26
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	11.36	1.14
Δ9-THC	0.0020	2.32	0.23
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	<LOQ	<LOQ
CBC	0.0024	1.33	0.13
Total THC		2.32	0.23
Total CBD		22.60	2.26
Total Cannabinoids		38.13	3.81

0.23% **Total THC**	2.26% **Total CBD**
3.81% **Total Cannabinoids**	0.23% **Δ9-THC**
N/A **Percent Moisture**	1 : 9.7 **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.

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.

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the samples as received.

Certified by: Luke E. M
Luke Emerson Mason (Laboratory Director, Bia Diagnostics)