

Certificate of Analysis

Company: Green Mountain Scientific Corp.	Sample ID: Type I Distillate 50002-001922008	Report Date: 1/27/2023
PO Box 699	Lot: GC00000055	Date Analyzed: 1/26/2023
Morrisville, VT 05661	Matrix: Distillate	Analyst: 050
Customer ID: 220908-01	Date Sampled: 1/22/2023	Report ID: C230123AZ
Grower License #: MANU0019	Date Received: 1/23/2023	

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	<LOQ	<LOQ
CBGA	0.0008	<LOQ	<LOQ
CBG	0.0019	20.40	2.04
CBD	0.0019	3.69	0.37
THCV	0.0021	8.00	0.80
CBN	0.0013	6.64	0.66
Δ^9 -THC	0.0020	719.07	71.91
Δ^8 -THC	0.0019	3.94	0.39
THC-A	0.0034	3.29	0.33
CBC	0.0024	8.55	0.85
Total THC		721.96	72.20
Total CBD		3.69	0.37
Total Cannabinoids		773.58	77.36

72.2% Total THC	0.37% Total CBD
77.36% Total Cannabinoids	71.91% Δ^9 -THC
N/A Percent Moisture	1 : 0 THC : CBD Ratio

Cannabinoid Methodology: High-Performance Liquid Chromatography (HPLC) using PerkinElmer PL3300™ 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) + Δ^8 -THC Total CBD = (CBDA x 0.877) + CBD
 Ratio of Total CBD: Total THC Reagent Blank: < LOQ 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) is 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.
 Δ^9 -THC MU = $\pm 0.005\%$ Total THC MU = $\pm 0.007\%$

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MPR0 Moisture Content Rescales.



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, Bio Diagnostics)