Bia Diagnostics Laboratories

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

Certificate of Analysis

Company: Ardens Gardens
200 Ward Rd
Wolcott, VT 05680
Customer ID: 200225-0
Grower License #: CLTV0084

Sample ID: Captain Kush
Lot: #1 Light Dep
Matrix: Flower
Date Sampled: N/A
Date Received: 6/27/2023

Report Date: 7/5/2023
Date Analyzed: 6/30/2023
Analyst: 011
Report ID: C230627AX

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	1.27	0.13
CBGA	0.0008	11.22	1.12
CBG	0.0019	1.11	0.11
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	4.31	0.43
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	240.11	24.01
CBC	0.0024	0.50	0.05
Total THC		214.89	21.49
Total CBD		1.11	0.11
Total Cannabinoids		258.53	25.85

21.49% **Total THC**	0.11% **Total CBD**
25.85% **Total Cannabinoids**	0.43% **Δ9-THC**
12.88% **Percent Moisture**	1 : 0 **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.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

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)