Bia Diagnostics Laboratories

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

Certificate of Analysis

Company: Kingdom Canna
PO Box 363
Montgomery, VT 05471

Customer ID: 221011-2
Grower License #: SCLT0089

Sample ID: KINGDOM KUSH CAKE
Lot: N/A
Matrix: Flower
Date Sampled: N/A
Date Received: 3/9/2023

Report Date: 3/14/2023
Date Analyzed: 3/13/2023
Analyst: 050
Report ID: C230309AJ

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	0.76	0.08
CBGA	0.0008	8.66	0.87
CBG	0.0019	0.53	0.05
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	6.89	0.69
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	275.24	27.52
CBC	0.0024	1.21	0.12
Total THC		248.28	24.83
Total CBD		0.66	0.07
Total Cannabinoids		293.28	29.33

24.83% Total THC	0.07% Total CBD
29.33% Total Cannabinoids	0.69% Δ9-THC
11.19% 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)