Bia Diagnostics Laboratories

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

Certificate of Analysis

Company: Vermont LTC Grow
Sample ID: Queen Sangria
Lot: SCLT0129-002-004
Matrix: Flower
Customer ID: 221014-0
Date Sampled: N/A
Grower License #: SCLT0129-01
Date Received: 10/25/2023
Report Date: 11/8/2023
Date Analyzed: 11/7/2023
Analyst: 054
Report ID: C231025AE

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	1.00	0.10
CBGA	0.0008	11.52	1.15
CBG	0.0019	0.75	0.07
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	4.28	0.43
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	243.81	24.38
CBC	0.0024	0.44	0.04
Total THC		218.10	21.81
Total CBD		0.88	0.09
Total Cannabinoids		261.80	26.18

21.81% **Total THC**	0.09% **Total CBD**
26.18% **Total Cannabinoids**	0.43% **Δ9-THC**
11.42% **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.

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

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Analyst: 011
Report ID: C231025AE

Water Activity Summary

Test	Method	Result
Water Activity	ASTM D8196: Determination of Water Activity in Cannabis Flower	0.3497

Test Methodology: Aqualab TDL 2 water activity meter with tunable diode laser

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