

Certificate of Analysis

Company: Lukas Greene LLC

PO Box 1027

Montpelier, VT 05601

Customer ID: 220831-1

Grower License #: CLTV0064

Sample ID: Critical Orange Punch

Lot: CLTV0064-002-002

Matrix: Flower

Date Sampled: N/A

Date Received: 10/19/2023

Report Date: 10/30/2023

Date Analyzed: 10/27/2023

Analyst: 011

Report ID: C231019AG

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	0.70	0.07
CBGA	0.0008	0.85	0.08
CBG	0.0019	1.30	0.13
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	2.67	0.27
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	220.94	22.09
CBC	0.0024	<LOQ	<LOQ
Total THC		196.44	19.64
Total CBD		0.61	0.06
Total Cannabinoids		226.46	22.65

19.64%

Total THC

0.06%

Total CBD

22.65%

Total Cannabinoids

0.27%

Δ9-THC

11.79%

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)

Certificate of Analysis

Company: Lukas Greene LLC
 PO Box 1027
 Montpelier, VT 05601

Customer ID: 220831-1

Grower License #: CLTV0064

Sample ID: Critical Orange Punch

Lot: CLTV0064 002-002

Matrix: Flower

Date Sampled: N/A

Date Received: 10/12/2023

Report Date: 10/20/2023

Date Analyzed: 10/19/2023

Analyst: 018

Report ID: C231012AH

Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	<LOD
STEC	STEC Virx AOAC PTM No. 121203	5	<LOD
Salmonella spp.	Salmonella II AOAC PTM No. 010803	5	<LOD



Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (<LOD).

Reagent Blanks: <LOD for all analytes

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)