

Certificate of Analysis

Company: Pine Rock

Sample ID: Chem

Lot: SCLT0256-01

Report Date: 11/6/2023

Matrix: Flower

Date Analyzed: 11/3/2023

Customer ID: 231023-0

Date Sampled: N/A

Analyst: 011

Grower License #: SCLT0256

Date Received: 10/23/2023

Report ID: C231023AV

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	1.17	0.12
CBGA	0.0008	6.74	0.67
CBG	0.0019	0.88	0.09
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	13.19	1.32
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	216.32	21.63
CBC	0.0024	<LOQ	<LOQ
Total THC		202.90	20.29
Total CBD		1.03	0.10
Total Cannabinoids		238.30	23.83

20.29%
Total THC
0.1%
Total CBD
23.83%
Total Cannabinoids
1.32%
Δ9-THC
11.87%
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.



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

Certificate of Analysis

Company: Pine Rock

Sample ID: Chem

Lot: SCLT0256-01

Report Date: 11/6/2023

Matrix: Flower

Date Analyzed: 10/31/2023

Customer ID: 231023-0

Date Sampled: N/A

Analyst: 045

Grower License #: SCLT0256

Date Received: 10/23/2023

Report ID: C231023AV

Terpenes Summary

Terpene	LOQ (mg/g)	Results (mg/g)	Weight (%)
α - Pinene	0.010	5.136	0.514
Camphene	0.010	0.097	0.010
β -Myrcene	0.010	7.495	0.750
b-Pinene	0.010	2.611	0.261
3-Carene	0.010	<LOQ	<LOQ
α -Terpinene	0.010	0.014	0.001
Limonene	0.010	4.420	0.442
ρ -Cymene	0.010	<LOQ	<LOQ
Ocimene	0.010	<LOQ	<LOQ
Eucalyptol	0.010	0.027	0.003
Υ -Terpinene	0.010	0.016	0.002
Terpinolene	0.010	0.273	0.027
Linalool	0.010	0.154	0.015
Isopulegol	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Caryophyllene	0.010	1.885	0.189
α -Humulene	0.010	0.856	0.086
Trans-Nerolidol	0.010	<LOQ	<LOQ
Cis-Nerolidol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	0.026	0.003
α -Bisabolol	0.010	0.106	0.011
Total Terpenes		23.116	2.314

11.87%

Percent
Moisture

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

Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: < LOQs for all analytes

All results reflect dry weight of material, based on % moisture of the sample.

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



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Certified by:



Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Certificate of Analysis

Company: Pine Rock

Sample ID: Chem

Lot: SCLT0256-01

Report Date: 11/9/2023

Matrix: Flower

Date Analyzed: 11/9/2023

Customer ID: 231023-0

Date Sampled: N/A

Analyst: 018

Grower License #: SCLT0256

Date Received: 10/23/2023

Report ID: C231023AV

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

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Certificate of Analysis

Company: Pine Rock

Sample ID: Chem

Report Date: 11/6/2023

Lot: SCLT0256-01

Date Analyzed: 10/30/2023

Matrix: Flower

Analyst: 011

Customer ID: 231023-0

Date Sampled: N/A

Report ID: C231023AV

Grower License #: SCLT0256

Date Received: 10/23/2023


Water Activity Summary

Test	Method	Result
Water Activity	ASTM D8196: Determination of Water Activity in Cannabis Flower	0.5128



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

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