

HEMP LABORATORY TEST CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC¹

0.3205%²

CANNABINOID PROFILE

8.2199% Total CBD¹

10.6667% Total Cannabinoids³

Terpenes See page 2



Scan to verify
at sclabs.com

1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = $\Delta 9\text{THC} + (\text{THCa} (0.877))$ and Total CBD = $\text{CBD} + (\text{CBDa} (0.877))$.

2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol ($\Delta 9\text{-THC}$) post-decarboxylation - see formula above.

3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

Auto Tune #1

Tested for:

Address:

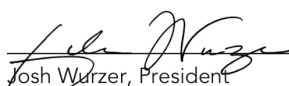
Batch #:

Sample ID: 200119K001

Date Collected: 01/19/2020

Date Received: 01/19/2020

Final Approval


Josh Wurzer, President
Date: 01/22/2020

These results relate only to the sample included on this report. This report shall not be reproduced except in full, without written approval of the laboratory. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.



HEMP LABORATORY TEST CERTIFICATE OF ANALYSIS

SC Laboratories, LLC
100 Pioneer Street, Suite E
Santa Cruz, CA 95060
(866) 435-0709 | sclabs.com

Sample Name: Auto Tune #1

LIMS Sample ID: 200119K001

Batch #:

Source METRC UID:

Sample Type: Flower, Hemp Flower

Batch Count:

Sample Count:

Unit Mass:

Serving Mass:

Density:

Date Collected: 01/19/2020

Date Received: 01/19/2020

Tested for:

License #:

Address:

Produced by:

License #:

Address:

Moisture Test Results

Moisture	Results (%)
	NT

Cannabinoid Test Results

01/20/2020

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

	mg/g	%	LOD / LOQ mg/g
Δ9THC	ND	ND	0.052 / 0.158
Δ8THC	ND	ND	0.074 / 0.224
THCa	3.654	0.3654	0.052 / 0.156
THCV	ND	ND	0.045 / 0.137
THCVa	ND	ND	0.088 / 0.267
CBD	0.819	0.0819	0.059 / 0.180
CBDa	92.794	9.2794	0.052 / 0.156
CBDV	ND	ND	0.027 / 0.080
CBDVa	0.725	0.0725	0.030 / 0.090
CBG	0.646	0.0646	0.048 / 0.144
CBGa	3.994	0.3994	0.034 / 0.102
CBL	ND	ND	0.114 / 0.346
CBN	ND	ND	0.052 / 0.157
CBC	ND	ND	0.048 / 0.146
CBCa	4.035	0.4035	0.233 / 0.705

Sum of Cannabinoids: 106.667 10.6667

Total THC (Δ9THC+0.877*THCa) 3.205 0.3205
Total CBD (CBD+0.877*CBDa) 82.199 8.2199

Action Limit mg

Δ9THC per Unit
Δ9THC per Serving

Batch Photo



Terpene Test Results

01/22/2020

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g	%	LOD / LOQ mg/g
Pinene	0.105	0.0105	0.028 / 0.084
Camphene	ND	ND	0.038 / 0.116
Sabinene	ND	ND	0.024 / 0.073
Pinene	0.156	0.0156	0.016 / 0.048
Myrcene	1.304	0.1304	0.03 / 0.092
Phellandrene	ND	ND	0.048 / 0.144
3 Carene	ND	ND	0.028 / 0.085
Terpinene	ND	ND	0.051 / 0.155
Limone	0.98	0.098	0.04 / 0.12
Eucalyptol	ND	ND	0.051 / 0.155
Ocimene	ND	ND	0.053 / 0.16
Terpinene	ND	ND	0.038 / 0.114
Sabinene Hydrate	ND	ND	0.046 / 0.138
Fenchone	ND	ND	0.06 / 0.181
Terpinolene	ND	ND	0.042 / 0.128
Linalool	0.37	0.037	0.043 / 0.13
Fenchol	<LOQ	<LOQ	0.051 / 0.153
(-)-Isopulegol	ND	ND	0.026 / 0.08
Camphor	ND	ND	0.08 / 0.242
Isoborneol	ND	ND	0.028 / 0.085
Borneol	ND	ND	0.063 / 0.19
Menthol	ND	ND	0.043 / 0.129
Terpineol	0.103	0.0103	0.029 / 0.087
Nerol	ND	ND	0.042 / 0.128
R-(+)-Pulegone	ND	ND	0.016 / 0.047
Geraniol	ND	ND	0.037 / 0.112
Geranyl Acetate	ND	ND	0.025 / 0.076
Cedrene	ND	ND	0.012 / 0.035
Caryophyllene	0.674	0.0674	0.029 / 0.087
Humulene	0.197	0.0197	0.017 / 0.051
Valencene	<LOQ	<LOQ	0.018 / 0.055
Nerolidol	ND	ND	0.05 / 0.15
Caryophyllene Oxide	<LOQ	<LOQ	0.011 / 0.034
Guaiol	0.408	0.0408	0.035 / 0.106
Cedrol	ND	ND	0.022 / 0.066
Bisabolol	0.291	0.0291	0.057 / 0.172

Total Terpene Concentration: 4.588 0.4588

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com
Sample must be marked as public to be viewable

Josh Wurzer
Josh Wurzer, President
Date: 01/22/2020