

SAMPLE NAME: Cali OG

Flower, Hemp

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

SAMPLE DETAIL

Batch Number: 1

Date Collected: 06/26/2021

Date Received: 06/26/2021

Batch Size:

Sample Size: 5.0 grams

Unit Mass:

Serving Size:



CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.667%

Total CBD: 14.562%

Sum of Cannabinoids: 18.53%

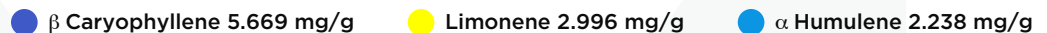
Total Cannabinoids: 16.377%

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
 Total THC = $\Delta 9\text{THC} + (\text{THCa} \cdot 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDa} \cdot 0.877)$
 Sum of Cannabinoids = $\Delta 9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$
 Total Cannabinoids = $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 1.5968%



SAFETY ANALYSIS - SUMMARY

For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. 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.

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.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

Ali Bradford *Josh Wurzer*
 LQC verified by: Alexandria Bradford Approved by: Josh Wurzer, President
 Date: 06/28/2021 Date: 06/28/2021



Cannabinoïd Analysis

CANNABINOÏD TEST RESULTS - 06/27/2021

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 0.667%

Total THC (Δ^9 THC+0.877*THCa)

TOTAL CBD: 14.562%

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 16.377%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 THC + CBL + CBN

TOTAL CBG: 0.44%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.65%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.058%

Total CBDV (CBDV+0.877*CBDVa)

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDA	0.06 / 0.22	±6.656	157.72	15.772
CBD	0.1 / 0.3	±0.40	7.3	0.73
CBCa	0.1 / 0.4	±0.60	6.8	0.68
THCa	0.04 / 0.24	±0.253	6.12	0.612
CBGa	0.1 / 0.4	±0.26	3.7	0.37
Δ^9 THC	0.1 / 0.4	±0.05	1.3	0.13
CBG	0.2 / 0.5	±0.10	1.2	0.12
CBDVa	0.02 / 0.22	±0.008	0.66	0.066
CBC	0.1 / 0.2	±0.02	0.5	0.05
Δ^8 THC	0.05 / 0.50	N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
THCVa	0.05 / 0.17	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
SUM OF CANNABINOIDS			185.30 mg/g	18.53%



Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

1 β Caryophyllene

A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional CB₂ receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

2 Limonene

A monoterpene with a fragrance that can be described as orangey, citrusy, sweet and tart. It is most commonly found in nature as D-Limonene and is a primary contributor to the distinct scent of orange peels, from which it is commonly derived. Found in numerous pines, red maple, silver maple, aspens, cottonwoods, hemlocks, sumac, cedar, junipers...etc.

3 α Humulene

Also known as α -caryophyllene, it is an isomer of the sesquiterpene β -Caryophyllene which frequently occurs in nature with many aromatic plants across the globe. It has a fragrance that can be described as earthy or musky with spicy undertones. Found in hops, forskohlii, skullcaps, basil, nutmeg, cloves, sage, cotton, tamarind, black pepper, guava, Scotch pine...etc.

TERPENOID TEST RESULTS - 06/28/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β Caryophyllene	0.004 / 0.013	±0.3923	5.669	0.5669
Limonene	0.005 / 0.016	±0.1255	2.996	0.2996
α Humulene	0.009 / 0.031	±0.1546	2.238	0.2238
Linalool	0.009 / 0.030	±0.0429	0.850	0.0850
Fenchol	0.009 / 0.029	±0.0337	0.712	0.0712
β Pinene	0.004 / 0.015	±0.0199	0.480	0.0480
Ocimene	0.015 / 0.034	±0.0207	0.410	0.0410
α Pinene	0.005 / 0.015	±0.0187	0.406	0.0406
Terpineol	0.014 / 0.046	±0.0312	0.397	0.0397
trans- β -Farnesene	0.008 / 0.028	±0.0255	0.349	0.0349
Myrcene	0.007 / 0.025	±0.0129	0.285	0.0285
Nerolidol	0.008 / 0.028	±0.0209	0.206	0.0206
Borneol	0.004 / 0.014	±0.0108	0.179	0.0179
Caryophyllene Oxide	0.011 / 0.038	±0.0130	0.171	0.0171
α Bisabolol	0.008 / 0.026	±0.0055	0.100	0.0100
α Cedrene	0.005 / 0.017	±0.0065	0.093	0.0093
Camphene	0.004 / 0.014	±0.0035	0.085	0.0085
Fenchone	0.008 / 0.026	±0.0040	0.083	0.0083
Valencene	0.010 / 0.033	±0.0038	0.058	0.0058
Nerol	0.003 / 0.011	±0.0024	0.052	0.0052
Terpinolene	0.008 / 0.027	±0.0010	0.050	0.0050
Citronellol	0.003 / 0.010	±0.0012	0.034	0.0034
Sabinene Hydrate	0.007 / 0.022	±0.0016	0.033	0.0033
Eucalyptol	0.005 / 0.018	±0.0016	0.032	0.0032
α Terpinene	0.006 / 0.019	N/A	<LOQ	<LOQ
p-Cymene	0.005 / 0.015	N/A	<LOQ	<LOQ
γ Terpinene	0.005 / 0.018	N/A	<LOQ	<LOQ
Isoborneol	0.003 / 0.011	N/A	<LOQ	<LOQ
Sabinene	0.004 / 0.014	N/A	ND	ND
α Phellandrene	0.006 / 0.019	N/A	ND	ND
3 Carene	0.005 / 0.018	N/A	ND	ND
(-)-Isopulegol	0.004 / 0.013	N/A	ND	ND
Camphor	0.005 / 0.015	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
R-(+)-Pulegone	0.003 / 0.010	N/A	ND	ND
Geraniol	0.002 / 0.007	N/A	ND	ND
Geranyl Acetate	0.004 / 0.012	N/A	ND	ND
Guaiol	0.011 / 0.035	N/A	ND	ND
Cedrol	0.009 / 0.032	N/A	ND	ND
TOTAL TERPENOIDS			15.968 mg/g	1.5968%