

SAMPLE NAME: Godfather OG

Flower, Hemp

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Stoney Branch Ag
Ventures LLC

License Number:
Address:

SAMPLE DETAIL
Batch Number: 00207

Sample ID: 230803S005

Date Collected: 08/03/2023

Date Received: 08/03/2023

Batch Size:
Sample Size:
Unit Mass:
Serving Size:


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 0.77%

Total CBD: 17.06%

Sum of Cannabinoids: 22.83%

Total Cannabinoids: 20.22%

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \cdot 0.877)$$

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

$$\text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 1.9335%



 Myrcene 11.774 mg/g
 β-Caryophyllene 3.601 mg/g
 α-Humulene 1.102 mg/g

For quality assurance purposes. Not a Regulatory 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 4 Division 19. Department of Cannabis Control 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)



 LQC verified by: Carmen Stackhouse
 Job Title: Senior Laboratory Analyst
 Date: 08/05/2023
 Approved by: Josh Wurzer
 Job Title: Chief Compliance Officer
 Date: 08/05/2023



Cannabinoid Analysis

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

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

TOTAL THC: 0.77%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 17.06%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 20.22%

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

TOTAL CBG: 0.69%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 1.61%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.097%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 08/05/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDa	0.06 / 0.22	±5.980	181.75	18.175
CBCa	0.1 / 0.4	±1.11	16.3	1.63
CBD	0.1 / 0.3	±0.48	11.2	1.12
THCa	0.04 / 0.24	±0.226	7.04	0.704
CBGa	0.1 / 0.4	±0.32	5.9	0.59
CBC	0.1 / 0.2	±0.07	1.8	0.18
CBG	0.2 / 0.5	±0.11	1.7	0.17
Δ^9 -THC	0.1 / 0.4	±0.05	1.5	0.15
CBDVa	0.02 / 0.22	±0.010	1.11	0.111
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			228.3 mg/g	22.83%

Terpenoid Analysis

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

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

1 Myrcene

A monoterpene with a fragrance that can be described as peppery, spicy, herbal, floral and woody. Although it has a pleasant odor, it is typically used by the perfume industry as precursor for developing other fragrances. Found in hops, houttuynia, bay, thyme, lemon grass, mango, verbena, cardamom, citrus...etc.

TERPENOID TEST RESULTS - 08/05/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.007 / 0.025	±0.4168	11.774	1.1774
β -Caryophyllene	0.004 / 0.013	±0.1937	3.601	0.3601
α -Humulene	0.009 / 0.031	±0.0593	1.102	0.1102
α -Bisabolol	0.008 / 0.026	±0.0367	0.853	0.0853
Limonene	0.005 / 0.016	±0.0128	0.394	0.0394
Linalool	0.009 / 0.030	±0.0147	0.373	0.0373
β -Ocimene	0.005 / 0.018	±0.0096	0.244	0.0244
Terpineol	0.008 / 0.025	±0.0140	0.228	0.0228
Caryophyllene Oxide	0.011 / 0.038	±0.0124	0.208	0.0208
Nerolidol	0.006 / 0.020	±0.0149	0.189	0.0189
β -Pinene	0.004 / 0.015	±0.0035	0.109	0.0109
trans- β -Farnesene	0.008 / 0.028	±0.0056	0.099	0.0099
α -Pinene	0.005 / 0.015	±0.0015	0.041	0.0041

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Terpenoid Analysis *Continued*

TERPENOID TEST RESULTS - 08/05/2023 *continued*

2 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.

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.

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Valencene	0.010 / 0.033	±0.0020	0.039	0.0039
Fenchol	0.009 / 0.029	±0.0014	0.038	0.0038
γ -Terpinene	0.005 / 0.018	±0.0005	0.022	0.0022
Borneol	0.004 / 0.014	±0.0010	0.021	0.0021
Camphene	0.004 / 0.014	N/A	<LOQ	<LOQ
α -Phellandrene	0.006 / 0.019	N/A	<LOQ	<LOQ
α -Terpinene	0.006 / 0.019	N/A	<LOQ	<LOQ
p-Cymene	0.005 / 0.015	N/A	<LOQ	<LOQ
Eucalyptol	0.005 / 0.018	N/A	<LOQ	<LOQ
Fenchone	0.008 / 0.026	N/A	<LOQ	<LOQ
Terpinolene	0.008 / 0.027	N/A	<LOQ	<LOQ
Isoborneol	0.003 / 0.011	N/A	<LOQ	<LOQ
Sabinene	0.004 / 0.014	N/A	ND	ND
Δ^3 -Carene	0.005 / 0.018	N/A	ND	ND
Sabinene Hydrate	0.007 / 0.022	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
Nerol	0.003 / 0.011	N/A	ND	ND
Citronellol	0.003 / 0.010	N/A	ND	ND
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
α -Cedrene	0.005 / 0.017	N/A	ND	ND
Guaiol	0.011 / 0.035	N/A	ND	ND
Cedrol	0.009 / 0.032	N/A	ND	ND
TOTAL TERPENOIDS			19.335 mg/g	1.9335%