

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: 210
Sample ID: 240511Q003

Date Collected: 05/11/2024
Date Received: 05/11/2024
Batch Size:
Sample Size:
Unit Mass:
Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.79%
Total CBD: 17.35%
Sum of Cannabinoids: 23.31%
Total Cannabinoids: 20.53%

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

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 2.0945%

● **Myrcene 13.288 mg/g**
● **β -Caryophyllene 3.813 mg/g**
● **α -Humulene 1.209 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.

Yasmin
LQC verified by: Yasmin Kakkar
Job Title: Senior Laboratory Analyst
Date: 05/14/2024

Josh Wurzer
Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 05/14/2024

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



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: 0.79%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 17.35%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 20.53%

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

TOTAL CBG: 0.46%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 1.84%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.086%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 05/13/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDa	0.06 / 0.22	±6.355	193.16	19.316
CBCa	0.1 / 0.4	±1.38	20.2	2.02
THCa	0.04 / 0.24	±0.265	8.24	0.824
CBD	0.1 / 0.3	±0.17	4.1	0.41
CBGa	0.1 / 0.4	±0.18	3.4	0.34
CBG	0.2 / 0.5	±0.11	1.6	0.16
CBDVa	0.02 / 0.22	±0.009	0.98	0.098
Δ^9 -THC	0.1 / 0.4	±0.02	0.7	0.07
CBC	0.1 / 0.2	±0.03	0.7	0.07
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			233.1 mg/g	23.31%

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 - 05/14/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.007 / 0.025	±0.4704	13.288	1.3288
β -Caryophyllene	0.004 / 0.013	±0.2051	3.813	0.3813
α -Humulene	0.009 / 0.031	±0.0650	1.209	0.1209
α -Bisabolol	0.008 / 0.026	±0.0326	0.759	0.0759
Linalool	0.009 / 0.030	±0.0242	0.615	0.0615
Limonene	0.005 / 0.016	±0.0097	0.298	0.0298
Nerolidol	0.006 / 0.020	±0.0165	0.208	0.0208
β -Ocimene	0.005 / 0.018	±0.0078	0.199	0.0199
Caryophyllene Oxide	0.011 / 0.038	±0.0116	0.195	0.0195
β -Pinene	0.004 / 0.015	±0.0034	0.106	0.0106
trans- β -Farnesene	0.008 / 0.028	±0.0060	0.105	0.0105
Terpineol	0.008 / 0.025	±0.0022	0.036	0.0036
Eucalyptol	0.005 / 0.018	±0.0014	0.034	0.0034

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Terpenoid Analysis *Continued*

TERPENOID TEST RESULTS - 05/14/2024 *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 (%)
α -Pinene	0.005 / 0.015	± 0.0011	0.031	0.0031
Geranyl Acetate	0.004 / 0.012	± 0.0012	0.021	0.0021
Borneol	0.004 / 0.014	± 0.0007	0.016	0.0016
Nerol	0.003 / 0.011	± 0.0004	0.012	0.0012
Camphene	0.004 / 0.014	N/A	<LOQ	<LOQ
Fenchol	0.009 / 0.029	N/A	<LOQ	<LOQ
Guaiol	0.011 / 0.035	N/A	<LOQ	<LOQ
Sabinene	0.004 / 0.014	N/A	ND	ND
α -Phellandrene	0.006 / 0.019	N/A	ND	ND
Δ^3 -Carene	0.005 / 0.018	N/A	ND	ND
α -Terpinene	0.006 / 0.019	N/A	ND	ND
p-Cymene	0.005 / 0.015	N/A	ND	ND
γ -Terpinene	0.005 / 0.018	N/A	ND	ND
Sabinene Hydrate	0.007 / 0.022	N/A	ND	ND
Fenchone	0.008 / 0.026	N/A	ND	ND
Terpinolene	0.008 / 0.027	N/A	ND	ND
Isopulegol	0.004 / 0.013	N/A	ND	ND
Camphor	0.005 / 0.015	N/A	ND	ND
Isoborneol	0.003 / 0.011	N/A	ND	ND
Menthol	0.008 / 0.025	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
α -Cedrene	0.005 / 0.017	N/A	ND	ND
Valencene	0.010 / 0.033	N/A	ND	ND
Cedrol	0.009 / 0.032	N/A	ND	ND
TOTAL TERPENOIDS			20.945 mg/g	2.0945%