

SAMPLE NAME: Lemon Octane

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: 212

Sample ID: 240920R033

Date Collected: 09/20/2024

Date Received: 09/20/2024

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


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 0.68%

Total CBD: 13.75%

Sum of Cannabinoids: 17.59%

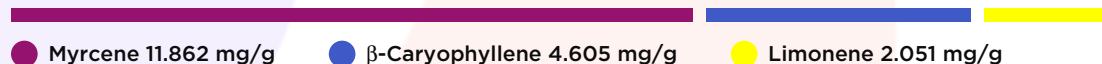
Total Cannabinoids: 15.52%

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

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

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 2.379%


● Myrcene 11.862 mg/g

● β -Caryophyllene 4.605 mg/g

● Limonene 2.051 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.

Michael Pham
 LQC verified by: Michael Pham
 Job Title: Senior Laboratory Analyst
 Date: 09/23/2024

Josh Wurzer
 Approved by: Josh Wurzer
 Job Title: Chief Compliance Officer
 Date: 09/23/2024

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

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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: 0.68%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 13.75%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 15.52%

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

TOTAL CBG: 0.45%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.62%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.027%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 09/23/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDa	0.06 / 0.22	±4.948	150.38	15.038
THCa	0.04 / 0.24	±0.222	6.93	0.693
CBCa	0.1 / 0.4	±0.46	6.7	0.67
CBD	0.1 / 0.3	±0.24	5.6	0.56
CBGa	0.1 / 0.4	±0.23	4.2	0.42
CBG	0.2 / 0.5	±0.05	0.8	0.08
Δ^9 -THC	0.1 / 0.4	±0.02	0.7	0.07
CBDVa	0.02 / 0.22	±0.003	0.31	0.031
CBC	0.1 / 0.2	±0.01	0.3	0.03
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			175.9 mg/g	17.59%

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 - 09/23/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.007 / 0.025	±0.4199	11.862	1.1862
β -Caryophyllene	0.004 / 0.013	±0.2477	4.605	0.4605
Limonene	0.005 / 0.016	±0.0669	2.051	0.2051
Guaiol	0.011 / 0.035	±0.0809	1.487	0.1487
α -Humulene	0.009 / 0.180	±0.0733	1.362	0.1362
Valencene	0.010 / 0.180	±0.0272	0.527	0.0527
Linalool	0.009 / 0.036	±0.0131	0.334	0.0334
trans- β -Farnesene	0.008 / 0.028	±0.0189	0.331	0.0331
β -Pinene	0.004 / 0.015	±0.0098	0.304	0.0304
Terpineol	0.008 / 0.025	±0.0129	0.211	0.0211
Fenchol	0.009 / 0.036	±0.0077	0.209	0.0209
α -Pinene	0.005 / 0.036	±0.0056	0.156	0.0156
α -Bisabolol	0.008 / 0.026	±0.0056	0.130	0.0130

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Terpenoid Analysis *Continued*

TERPENOID TEST RESULTS - 09/23/2024 *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 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.

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Borneol	0.004 / 0.014	±0.0049	0.104	0.0104
Caryophyllene Oxide	0.011 / 0.038	±0.0033	0.055	0.0055
Camphene	0.004 / 0.014	±0.0014	0.042	0.0042
Pulegone	0.003 / 0.010	±0.0013	0.020	0.0020
Fenchone	0.008 / 0.036	N/A	<LOQ	<LOQ
Terpinolene	0.008 / 0.036	N/A	<LOQ	<LOQ
Nerol	0.003 / 0.036	N/A	<LOQ	<LOQ
Sabinene	0.004 / 0.014	N/A	ND	ND
α -Phellandrene	0.006 / 0.036	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
Eucalyptol	0.005 / 0.018	N/A	ND	ND
β -Ocimene	0.005 / 0.025	N/A	ND	ND
γ -Terpinene	0.005 / 0.018	N/A	ND	ND
Sabinene Hydrate	0.007 / 0.036	N/A	ND	ND
Isopulegol	0.004 / 0.036	N/A	ND	ND
Camphor	0.005 / 0.036	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 / 0.036	N/A	ND	ND
Geraniol	0.002 / 0.036	N/A	ND	ND
Geranyl Acetate	0.004 / 0.036	N/A	ND	ND
α -Cedrene	0.005 / 0.017	N/A	ND	ND
Nerolidol	0.006 / 0.021	N/A	ND	ND
Cedrol	0.009 / 0.032	N/A	ND	ND
TOTAL TERPENOIDS			23.790 mg/g	2.379%