SC Labs®

Hemp Quality Assurance Testing
CERTIFICATEOFANALYSIS

DATE ISSUED 09/23/2024

SAMPLE NAME: Lemon Octane
Flower, Hemp

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR
Business Name: Field Day Herbals Ventures LLC
License Number:
Address: 3525 I Street
Philadelphia, PA 19134

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:

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 = Δ9-THC + (THCa (0.877))
Total CBD = CBD + (CBDa (0.877))
Sum of Cannabinoids = Δ9-THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ8-THC + CBL + CBN
Total Cannabinoids = (Δ9-THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ8-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

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

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

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.

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 (Δ9-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) + Δ8-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*
Δ9-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*
Δ8-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

2 β-*Caryophyllene*

Asesquiterpene 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 selective 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.

TERPENOID TEST RESULTS - **09/23/2024** continued

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 Pulegone	0.004 / 0.014	±0.0014	*0.042*	*0.0042*
Fenchone	0.003 / 0.010	±0.0013	*0.020*	*0.0020*
Terpinolene Nerol	0.008 / 0.036	N/A	*<LOQ*	*<LOQ*
Sabinene α-	0.008 / 0.036	N/A	*<LOQ*	*<LOQ*
Phellandrene Δ*3-*	0.003 / 0.036	N/A	*<LOQ*	*<LOQ*
Carene α*-Terpinene*	0.004 / 0.014	N/A	*ND*	*ND*
p-Cymene Eucalyptol	0.006 / 0.036	N/A	*ND*	*ND*
β*-Ocimene* γ -	0.005 / 0.018	N/A	*ND*	*ND*
Terpinene Sabinene	0.006 / 0.019	N/A	*ND*	*ND*
Hydrate Isopulegol	0.005 / 0.015	N/A	*ND*	*ND*
Camphor Isoborneol	0.005 / 0.018	N/A	*ND*	*ND*
Menthol Citronellol	0.005 / 0.025	N/A	*ND*	*ND*
Geraniol Geranyl	0.005 / 0.018	N/A	*ND*	*ND*
Acetate α*-Cedrene*	0.007 / 0.036	N/A	*ND*	*ND*
Nerolidol Cedrol	0.004 / 0.036	N/A	*ND*	*ND*
	0.005 / 0.036	N/A	*ND*	*ND*
	0.003 / 0.011	N/A	*ND*	*ND*
	0.008 / 0.025	N/A	*ND*	*ND*
	0.003 / 0.036	N/A	*ND*	*ND*
	0.002 / 0.036	N/A	*ND*	*ND*
	0.004 / 0.036	N/A	*ND*	*ND*
	0.005 / 0.017	N/A	*ND*	*ND*
	0.006 / 0.021	N/A	*ND*	*ND*
	0.009 / 0.032	N/A	*ND*	*ND*
			23.790 mg/g	*2.379%*

TOTAL TERPENOIDS

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