

SAMPLE DETAILS
SAMPLE NAME: Cannabis Terpenes | Sour Suver

Terpenes, Product Inhalable

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Earthy Now

License Number:
Address:
SAMPLE DETAIL
Batch Number:
Sample ID: 250416S029

Date Collected: 04/16/2025

Date Received: 04/16/2025

Batch Size:
Sample Size: 1.0 units

Unit Mass:
Serving Size:

Scan QR code to verify
authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: Not Detected

Total CBD: 0.0162%

Sum of Cannabinoids: 0.019%

Total Cannabinoids: 0.019%

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 = Δ^9 -THC + (THCa (0.877))

Total CBD = CBD + (CBDa (0.877))


Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN

Total Cannabinoids = (Δ^9 -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^8 -THC + CBL + CBN

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 31.0595%



Limonene 73.103 mg/g

β-Caryophyllene 66.402 mg/g

β-Ocimene 58.645 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), $\mu\text{g/g}$ = ppm, $\mu\text{g/kg}$ = ppb

LQC verified by: Carmen Stackhouse
Job Title: Senior Laboratory Analyst
Date: 04/20/2025

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 04/20/2025



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: Not Detected

Total THC (Δ⁹-THC+0.877*THCa)

TOTAL CBD: 0.0162%

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 0.019%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ⁸-THC + CBL + CBN

TOTAL CBG: ND

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.0028%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

Terpenoid Analysis

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

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

1 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.

CANNABINOID TEST RESULTS - 04/19/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±0.0060	0.162	0.0162
CBC	0.003 / 0.010	±0.0009	0.028	0.0028
Δ ⁹ -THC	0.002 / 0.014	N/A	ND	ND
Δ ⁸ -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDA	0.001 / 0.026	N/A	ND	ND
CBDV	0.002 / 0.012	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBG	0.002 / 0.006	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBN	0.001 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			0.190 mg/g	0.019%

TERPENOID TEST RESULTS - 04/20/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Limonene	0.005 / 0.036	±0.8114	73.103	7.3103
β-Caryophyllene	0.004 / 0.012	±1.8393	66.402	6.6402
β-Ocimene	0.006 / 0.025	±1.4661	58.645	5.8645
α-Humulene	0.009 / 0.180	±0.5757	23.026	2.3026
α-Pinene	0.005 / 0.036	±0.1390	20.753	2.0753
β-Pinene	0.004 / 0.014	±0.1780	20.004	2.0004
Linalool	0.009 / 0.036	±0.2924	9.878	0.9878
trans-β-Farnesene	0.008 / 0.025	±0.2403	8.705	0.8705
α-Phellandrene	0.006 / 0.036	±0.0645	6.084	0.6084
Δ ³ -Carene	0.005 / 0.018	±0.0530	4.772	0.4772
α-Terpinene	0.005 / 0.017	±0.0503	4.338	0.4338
γ-Terpinene	0.006 / 0.018	±0.0427	3.162	0.3162
Guaiol	0.009 / 0.030	±0.0906	2.470	0.2470

Continued on next page


Terpenoid Analysis *Continued*
TERPENOID TEST RESULTS - 04/20/2025 *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 β-Ocimene

A monoterpene with a fragrance that can be described as herbal, earthy, sweet with a hint of citrus. It is derived from members of the *Ocimum* genus, from which it lends its name. It also displays antifungal properties. A plant containing this terpene has been used in some traditional ayahuasca rituals and is also an important honey plant. Found in basil, tulsi, mint, oregano, parsley, some orchids, mangoes, tarragon...etc.

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Terpineol	0.009 / 0.031	±0.1101	2.303	0.2303
Caryophyllene Oxide	0.010 / 0.033	±0.0595	1.661	0.1661
α-Bisabolol	0.008 / 0.026	±0.0529	1.274	0.1274
Camphene	0.005 / 0.015	±0.0113	1.256	0.1256
Nerolidol	0.006 / 0.021	±0.0485	0.990	0.0990
p-Cymene	0.005 / 0.016	±0.0189	0.906	0.0906
Sabinene	0.004 / 0.014	±0.0049	0.526	0.0526
Sabinene Hydrate	0.006 / 0.036	±0.0086	0.285	0.0285
Nerol	0.003 / 0.036	±0.0018	0.052	0.0052
α-Cedrene	0.005 / 0.016	N/A	ND	ND
Borneol	0.005 / 0.016	N/A	ND	ND
Camphor	0.006 / 0.036	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
Citronellol	0.003 / 0.036	N/A	ND	ND
Eucalyptol	0.006 / 0.018	N/A	ND	ND
Fenchol	0.010 / 0.036	N/A	ND	ND
Fenchone	0.009 / 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
Isoborneol	0.004 / 0.012	N/A	ND	ND
Isopulegol	0.005 / 0.036	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
Myrcene	0.008 / 0.025	N/A	ND	ND
Pulegone	0.003 / 0.011	N/A	ND	ND
Terpinolene	0.008 / 0.036	N/A	ND	ND
Valencene	0.009 / 0.180	N/A	ND	ND
TOTAL TERPENOIDS			310.595 mg/g	31.0595%