

SAMPLE DETAILS
SAMPLE NAME: Cannabis Terpenes | Super Sour

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: 250416S024

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: **0.0176%**
Sum of Cannabinoids: **0.0176%**
Total Cannabinoids: **0.0176%**

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: **70.4789%**

 Myrcene 243.096 mg/g
 Terpinolene 191.155 mg/g
 Limonene 53.955 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), $\mu\text{g/g} = \text{ppm}$, $\mu\text{g/kg} = \text{ppb}$



 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 (Δ^9 -THC+0.877*THCa)

TOTAL CBD: **0.0176%**

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: **0.0176%**

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

TOTAL CBG: **ND**

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: **ND**

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: **ND**

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: **ND**

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 04/19/2025

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|----------------------------|----------------|--------------------------------|-------------------|----------------|
| CBD | 0.004 / 0.011 | ±0.0066 | 0.176 | 0.0176 |
| 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 |
| CBC | 0.003 / 0.010 | N/A | ND | ND |
| CBCa | 0.001 / 0.015 | N/A | ND | ND |
| SUM OF CANNABINOIDS | | | 0.176 mg/g | 0.0176% |

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 - 04/20/2025

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|------------------------|----------------|--------------------------------|---------------|------------|
| Myrcene | 0.008 / 0.025 | ±2.4310 | 243.096 | 24.3096 |
| Terpinolene | 0.008 / 0.036 | ±3.0394 | 191.155 | 19.1155 |
| Limonene | 0.005 / 0.036 | ±0.5989 | 53.955 | 5.3955 |
| β -Caryophyllene | 0.004 / 0.012 | ±1.2765 | 46.083 | 4.6083 |
| β -Ocimene | 0.006 / 0.025 | ±1.0808 | 43.230 | 4.3230 |
| α -Pinene | 0.005 / 0.036 | ±0.2490 | 37.159 | 3.7159 |
| β -Pinene | 0.004 / 0.014 | ±0.2641 | 29.678 | 2.9678 |
| α -Humulene | 0.009 / 0.180 | ±0.3759 | 15.035 | 1.5035 |
| α -Phellandrene | 0.006 / 0.036 | ±0.0740 | 6.980 | 0.6980 |
| Δ^3 -Carene | 0.005 / 0.018 | ±0.0759 | 6.836 | 0.6836 |
| α -Terpinene | 0.005 / 0.017 | ±0.0599 | 5.165 | 0.5165 |
| γ -Terpinene | 0.006 / 0.018 | ±0.0525 | 3.886 | 0.3886 |
| Valencene | 0.009 / 0.180 | ±0.2043 | 3.811 | 0.3811 |

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Terpenoid Analysis *Continued*

TERPENOID TEST RESULTS - 04/20/2025 *continued*

2 Terpinolene

Also known as δ -terpinene, it is of four isomers of the monoterpene Terpinene. It has a fragrance that can be described as fresh, woody, piney, herbal with a hint of lemon. Found in conifers, cumin, apple, rosemary, sage, tea tree, lilac, nutmeg...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 (%) |
|---------------------------|----------------|--------------------------------|---------------------|-----------------|
| Linalool | 0.009 / 0.036 | ± 0.0984 | 3.326 | 0.3326 |
| Eucalyptol | 0.006 / 0.018 | ± 0.0393 | 1.995 | 0.1995 |
| Caryophyllene Oxide | 0.010 / 0.033 | ± 0.0707 | 1.974 | 0.1974 |
| Fenchol | 0.010 / 0.036 | ± 0.0588 | 1.955 | 0.1955 |
| p-Cymene | 0.005 / 0.016 | ± 0.0371 | 1.773 | 0.1773 |
| Terpineol | 0.009 / 0.031 | ± 0.0688 | 1.440 | 0.1440 |
| Camphene | 0.005 / 0.015 | ± 0.0113 | 1.250 | 0.1250 |
| Sabinene | 0.004 / 0.014 | ± 0.0094 | 1.010 | 0.1010 |
| trans- β -Farnesene | 0.008 / 0.025 | ± 0.0256 | 0.929 | 0.0929 |
| α -Bisabolol | 0.008 / 0.026 | ± 0.0285 | 0.687 | 0.0687 |
| Guaiol | 0.009 / 0.030 | ± 0.0251 | 0.684 | 0.0684 |
| Borneol | 0.005 / 0.016 | ± 0.0147 | 0.451 | 0.0451 |
| Citronellol | 0.003 / 0.036 | ± 0.0134 | 0.352 | 0.0352 |
| Sabinene Hydrate | 0.006 / 0.036 | ± 0.0100 | 0.332 | 0.0332 |
| Nerolidol | 0.006 / 0.021 | ± 0.0147 | 0.299 | 0.0299 |
| Geranyl Acetate | 0.004 / 0.036 | ± 0.0058 | 0.178 | 0.0178 |
| Nerol | 0.003 / 0.036 | ± 0.0015 | 0.044 | 0.0044 |
| Geraniol | 0.002 / 0.036 | ± 0.0014 | 0.041 | 0.0041 |
| α -Cedrene | 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 |
| Fenchone | 0.009 / 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 |
| Pulegone | 0.003 / 0.011 | N/A | ND | ND |
| TOTAL TERPENOIDS | | | 704.789 mg/g | 70.4789% |