

**SAMPLE NAME:** Terpene Super Sour

Other

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

**License Number:**
**Address:**
**SAMPLE DETAIL**
**Batch Number:**
**Sample ID:** 230104P031

**Date Collected:** 01/04/2023

**Date Received:** 01/04/2023

**Batch Size:**
**Sample Size:** 7.5 units

**Unit Mass:**
**Serving Size:**


Scan QR code to verify authenticity of results.

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids:** 75.7189%

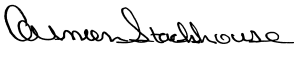
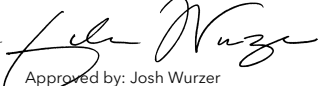
● Myrcene 289.214 mg/g    
 ● Terpinolene 196.857 mg/g    
 ● Limonene 55.370 mg/g

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)


  
 LQC verified by: Carmen Stackhouse     Approved by: Josh Wurzer  
 Job Title: Senior Laboratory Analyst     Job Title: President  
 Date: 01/07/2023     Date: 01/07/2023



## 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.

### 2 Terpinolene

Also known as  $\delta$ -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.

Deviations<sup>1</sup> see Notes

## TERPENOID TEST RESULTS - 01/07/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.008 / 0.025	±2.8921	289.214	28.9214
Terpinolene	0.008 / 0.026	±3.1300	196.857	19.6857
Limonene	0.005 / 0.016	±0.6146	55.370	5.5370
$\beta$ -Caryophyllene	0.004 / 0.012	±1.2748	46.020	4.6020
$\beta$ -Ocimene	0.006 / 0.020	±1.1057	44.226	4.4226
$\alpha$ -Pinene	0.005 / 0.017	±0.2651	39.565	3.9565
$\beta$ -Pinene	0.004 / 0.014	±0.2759	31.005	3.1005
$\alpha$ -Humulene	0.009 / 0.029	±0.3615	14.459	1.4459
$\alpha$ -Phellandrene	0.006 / 0.020	±0.0739	6.975	0.6975
$\Delta^3$ -Carene	0.005 / 0.018	±0.0762	6.869	0.6869
$\alpha$ -Terpinene	0.005 / 0.017	±0.0627	5.409	0.5409
$\gamma$ -Terpinene	0.006 / 0.018	±0.0524	3.878	0.3878
Linalool	0.009 / 0.032	±0.0864	2.920	0.2920
Terpineol	0.009 / 0.031	±0.1024	2.143	0.2143
Eucalyptol	0.006 / 0.018	±0.0377	1.912	0.1912
Fenchol	0.010 / 0.034	±0.0529	1.759	0.1759
Caryophyllene Oxide	0.010 / 0.033	±0.0560	1.564	0.1564
p-Cymene	0.005 / 0.016	±0.0278	1.328	0.1328
Camphene	0.005 / 0.015	±0.0099	1.095	0.1095
Sabinene	0.004 / 0.014	±0.0092	0.991	0.0991
trans- $\beta$ -Farnesene	0.008 / 0.025	±0.0273	0.990	0.0990
Valencene	0.009 / 0.030	±0.0314	0.586	0.0586
Guaial	0.009 / 0.030	±0.0179	0.487	0.0487
$\alpha$ -Bisabolol	0.008 / 0.026	±0.0157	0.379	0.0379
Citronellol	0.003 / 0.010	±0.0134	0.353	0.0353
Borneol	0.005 / 0.016	±0.0106	0.323	0.0323
Sabinene Hydrate	0.006 / 0.022	±0.0090	0.298	0.0298
Nerolidol	0.006 / 0.019	±0.0092	0.188	0.0188
Nerol	0.003 / 0.011	±0.0009	0.026	0.0026
Isoborneol	0.004 / 0.012	N/A	<LOQ	<LOQ
Fenchone	0.009 / 0.028	N/A	ND	ND
Isopulegol	0.005 / 0.016	N/A	ND	ND
Camphor	0.006 / 0.019	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
Pulegone	0.003 / 0.011	N/A	ND	ND
Geraniol	0.002 / 0.007	N/A	ND	ND
Geranyl Acetate	0.004 / 0.014	N/A	ND	ND
$\alpha$ -Cedrene	0.005 / 0.016	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
<b>TOTAL TERPENOIDS</b>			<b>757.189 mg/g</b>	<b>75.7189%</b>

## NOTES

1. Deviations: Preparation mass outside of normal acceptance