

## SAMPLE NAME: Terpene - Sour Special Sauce

Concentrate, Hemp

### CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

### DISTRIBUTOR / TESTED FOR

Business Name: Earthy Now

License Number:

Address:

### SAMPLE DETAIL

Batch Number:

Sample ID: 211122U017

Date Collected: 11/22/2021

Date Received: 11/22/2021

Batch Size:

Sample Size: 3.0 units

Unit Mass:

Serving Size:



Scan QR code to verify authenticity of results.

## TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: **78.6421%**

● Myrcene 397.434 mg/g ● Terpinolene 126.105 mg/g ● Limonene 82.834 mg/g

For quality assurance purposes. Not a Pre-Harvest 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 16 Effect Date January 16, 2019. Authority: Section 26013, 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)

*Carrie Stone*  
LQC verified by: Carrie Stone  
Date: 11/25/2021

*Josh Wurzer*  
Approved by: Josh Wurzer, President  
Date: 11/25/2021

## 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.

## TERPENOID TEST RESULTS - 11/24/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.008 / 0.025	±5.1269	397.434	39.7434
Terpinolene	0.008 / 0.026	±2.5852	126.105	12.6105
Limonene	0.005 / 0.016	±1.1845	82.834	8.2834
Ocimene	0.011 / 0.038	±1.6119	50.216	5.0216
$\alpha$ Pinene	0.005 / 0.017	±0.2966	34.484	3.4484
$\beta$ Pinene	0.004 / 0.014	±0.3234	28.124	2.8124
$\beta$ Caryophyllene	0.004 / 0.012	±0.7140	20.055	2.0055
Terpineol	0.016 / 0.055	±0.5314	8.655	0.8655
Linalool	0.009 / 0.032	±0.1874	4.931	0.4931
$\alpha$ Phellandrene	0.006 / 0.020	±0.0665	4.887	0.4887
$\alpha$ Humulene	0.009 / 0.029	±0.1565	4.875	0.4875
3 Carene	0.005 / 0.018	±0.0675	4.757	0.4757
$\alpha$ Terpinene	0.005 / 0.017	±0.0515	3.458	0.3458
Fenchol	0.010 / 0.034	±0.1168	3.018	0.3018
$\gamma$ Terpinene	0.006 / 0.018	±0.0473	2.734	0.2734
Camphene	0.005 / 0.015	±0.0207	1.799	0.1799
p-Cymene	0.005 / 0.016	±0.0475	1.765	0.1765
Eucalyptol	0.006 / 0.018	±0.0327	1.293	0.1293
trans- $\beta$ -Farnesene	0.008 / 0.025	±0.0397	1.118	0.1118
Sabinene	0.004 / 0.014	±0.0083	0.692	0.0692
Caryophyllene Oxide	0.010 / 0.033	±0.0242	0.525	0.0525
Borneol	0.005 / 0.016	±0.0183	0.435	0.0435
Valencene	0.009 / 0.030	±0.0280	0.407	0.0407
Fenchone	0.009 / 0.028	±0.0108	0.372	0.0372
Guaiol	0.009 / 0.030	±0.0147	0.312	0.0312
Sabinene Hydrate	0.006 / 0.022	±0.0110	0.284	0.0284
Isoborneol	0.004 / 0.012	±0.0107	0.264	0.0264
$\alpha$ Bisabolol	0.008 / 0.026	±0.0125	0.234	0.0234
$\alpha$ Cedrene	0.005 / 0.016	±0.0064	0.212	0.0212
Nerolidol	0.009 / 0.028	±0.0045	0.072	0.0072
Geranyl Acetate	0.004 / 0.014	±0.0029	0.070	0.0070
(-)-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
Nerol	0.003 / 0.011	N/A	ND	ND
Citronellol	0.003 / 0.010	N/A	ND	ND
R-(+)-Pulegone	0.003 / 0.011	N/A	ND	ND
Geraniol	0.002 / 0.007	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
<b>TOTAL TERPENOIDS</b>			<b>786.421 mg/g</b>	<b>78.6421%</b>

