

**SAMPLE NAME: Terpene - Super Sour Space Candy**

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:** 211122U019

**Date Collected:** 11/22/2021

**Date Received:** 11/22/2021

**Batch Size:**

**Sample Size:** 3.0 units

**Unit Mass:**

**Serving Size:**

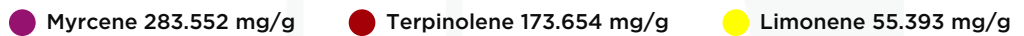


Scan QR code to verify authenticity of results.

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: **72.7008%**



● Myrcene 283.552 mg/g

● Terpinolene 173.654 mg/g

● Limonene 55.393 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	±3.6578	283.552	28.3552
Terpinolene	0.008 / 0.026	±3.5599	173.654	17.3654
Limonene	0.005 / 0.016	±0.7921	55.393	5.5393
$\beta$ Caryophyllene	0.004 / 0.012	±1.6108	45.248	4.5248
Ocimene	0.011 / 0.038	±1.4122	43.994	4.3994
$\alpha$ Pinene	0.005 / 0.017	±0.3413	39.690	3.9690
$\beta$ Pinene	0.004 / 0.014	±0.3421	29.751	2.9751
$\alpha$ Humulene	0.009 / 0.029	±0.4491	13.991	1.3991
$\alpha$ Phellandrene	0.006 / 0.020	±0.0911	6.700	0.6700
3 Carene	0.005 / 0.018	±0.0934	6.578	0.6578
$\alpha$ Terpinene	0.005 / 0.017	±0.0681	4.568	0.4568
$\gamma$ Terpinene	0.006 / 0.018	±0.0600	3.471	0.3471
Linalool	0.009 / 0.032	±0.1183	3.112	0.3112
Terpineol	0.016 / 0.055	±0.1439	2.344	0.2344
Caryophyllene Oxide	0.010 / 0.033	±0.0942	2.048	0.2048
p-Cymene	0.005 / 0.016	±0.0514	1.911	0.1911
Fenchol	0.010 / 0.034	±0.0706	1.823	0.1823
Eucalyptol	0.006 / 0.018	±0.0446	1.764	0.1764
trans- $\beta$ -Farnesene	0.008 / 0.025	±0.0452	1.274	0.1274
Camphene	0.005 / 0.015	±0.0140	1.217	0.1217
Sabinene	0.004 / 0.014	±0.0135	1.121	0.1121
Valencene	0.009 / 0.030	±0.0506	0.734	0.0734
Guaiol	0.009 / 0.030	±0.0321	0.681	0.0681
$\alpha$ Bisabolol	0.008 / 0.026	±0.0313	0.586	0.0586
Citronellol	0.003 / 0.010	±0.0180	0.369	0.0369
Borneol	0.005 / 0.016	±0.0152	0.362	0.0362
Sabinene Hydrate	0.006 / 0.022	±0.0135	0.348	0.0348
Fenchone	0.009 / 0.028	±0.0081	0.278	0.0278
Nerolidol	0.009 / 0.028	±0.0166	0.264	0.0264
$\alpha$ Cedrene	0.005 / 0.016	±0.0040	0.133	0.0133
Isoborneol	0.004 / 0.012	±0.0020	0.049	0.0049
(-)-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
R-(+)-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
Cedrol	0.008 / 0.027	N/A	ND	ND
<b>TOTAL TERPENOIDS</b>			<b>727.008 mg/g</b>	<b>72.7008%</b>

