

SAMPLE NAME: Terpene - Cherry Soda

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: 211122U023

Date Collected: 11/22/2021

Date Received: 11/22/2021

Batch Size:

Sample Size: 3.0 units

Unit Mass:

Serving Size:

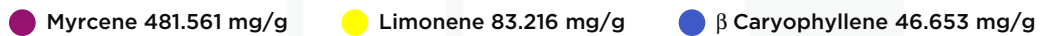


Scan QR code to verify authenticity of results.

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: **75.7398%**



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 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.

3 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.

TERPENOID TEST RESULTS - 11/25/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.008 / 0.025	±6.2121	481.561	48.1561
Limonene	0.005 / 0.016	±1.1900	83.216	8.3216
β Caryophyllene	0.004 / 0.012	±1.6608	46.653	4.6653
α Pinene	0.005 / 0.017	±0.3322	38.632	3.8632
Ocimene	0.011 / 0.038	±1.1794	36.742	3.6742
β Pinene	0.004 / 0.014	±0.2957	25.715	2.5715
α Humulene	0.009 / 0.029	±0.4528	14.107	1.4107
Eucalyptol	0.006 / 0.018	±0.1276	5.042	0.5042
Terpinolene	0.008 / 0.026	±0.0916	4.470	0.4470
Fenchol	0.010 / 0.034	±0.1474	3.810	0.3810
trans-β-Farnesene	0.008 / 0.025	±0.1044	2.940	0.2940
Linalool	0.009 / 0.032	±0.0874	2.299	0.2299
Terpineol	0.016 / 0.055	±0.1260	2.052	0.2052
Camphene	0.005 / 0.015	±0.0197	1.716	0.1716
Caryophyllene Oxide	0.010 / 0.033	±0.0499	1.084	0.1084
γ Terpinene	0.006 / 0.018	±0.0186	1.078	0.1078
Valencene	0.009 / 0.030	±0.0538	0.781	0.0781
α Bisabolol	0.008 / 0.026	±0.0378	0.707	0.0707
Nerolidol	0.009 / 0.028	±0.0424	0.674	0.0674
Fenchone	0.009 / 0.028	±0.0163	0.560	0.0560
Borneol	0.005 / 0.016	±0.0227	0.540	0.0540
p-Cymene	0.005 / 0.016	±0.0140	0.520	0.0520
Sabinene	0.004 / 0.014	±0.0060	0.504	0.0504
α Terpinene	0.005 / 0.017	±0.0073	0.493	0.0493
Sabinene Hydrate	0.006 / 0.022	±0.0178	0.460	0.0460
α Phellandrene	0.006 / 0.020	±0.0047	0.347	0.0347
Guaiol	0.009 / 0.030	±0.0150	0.317	0.0317
3 Carene	0.005 / 0.018	±0.0034	0.240	0.0240
Citronellol	0.003 / 0.010	±0.0067	0.138	0.0138
(-)-Isopulegol	0.005 / 0.016	N/A	ND	ND
Camphor	0.006 / 0.019	N/A	ND	ND
Isoborneol	0.004 / 0.012	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
α Cedrene	0.005 / 0.016	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
TOTAL TERPENOIDS			757.398 mg/g	75.7398%

