Hemp Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 01/08/2023

SAMPLE NAME: Terpene Cherry Soda

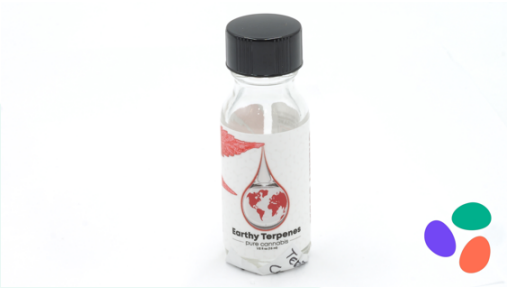
Other

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: Earthy Now
License Number:
Address:



SAMPLE DETAIL

Batch Number:
Sample ID: 230104P036

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: 72.3475%

- Myrcene 463.123 mg/g
- Limonene 84.706 mg/g
- β-Caryophyllene 43.122 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
Job Title: Senior Laboratory Analyst
Date: 01/08/2023

Approved by: Josh Wurzer
Job Title: President
Date: 01/08/2023

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 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 CB_2 receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

Deviations[1] see Notes

TERPENOID TEST RESULTS - 01/08/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	*0.008 / 0.025*	*±4.6312*	463.123	46.3123
Limonene	*0.005 / 0.016*	*±0.9402*	84.706	8.4706
β-Caryophyllene	*0.004 / 0.012*	*±1.1945*	43.122	4.3122
α-Pinene	*0.005 / 0.017*	*±0.2517*	37.573	3.7573
β-Ocimene	*0.006 / 0.020*	*±0.8570*	34.280	3.4280
β-Pinene	*0.004 / 0.014*	*±0.2290*	25.734	2.5734
α-Humulene	*0.009 / 0.029*	*±0.3289*	13.157	1.3157
Eucalyptol	*0.006 / 0.018*	*±0.0930*	4.722	0.4722
Fenchol	*0.010 / 0.034*	*±0.0957*	3.180	0.3180
trans-β-Farnesene	*0.008 / 0.025*	*±0.0535*	1.939	0.1939
Linalool	*0.009 / 0.032*	*±0.0564*	1.907	0.1907
Terpineol	*0.009 / 0.031*	*±0.0829*	1.734	0.1734
Camphene	*0.005 / 0.015*	*±0.0149*	1.654	0.1654
Terpinolene	*0.008 / 0.026*	*±0.0247*	1.552	0.1552
γ-Terpinene	*0.006 / 0.018*	*±0.0122*	0.906	0.0906
Caryophyllene Oxide	*0.010 / 0.033*	*±0.0253*	0.706	0.0706
Fenchone	*0.009 / 0.028*	*±0.0105*	0.466	0.0466
Borneol	*0.005 / 0.016*	*±0.0152*	0.464	0.0464
Valencene	*0.009 / 0.030*	*±0.0245*	0.457	0.0457
Sabinene Hydrate	*0.006 / 0.022*	*±0.0115*	0.381	0.0381
α-Bisabolol	*0.008 / 0.026*	*±0.0154*	0.372	0.0372
α-Terpinene	*0.005 / 0.017*	*±0.0039*	0.336	0.0336
Sabinene	*0.004 / 0.014*	*±0.0031*	0.330	0.0330
p-Cymene	*0.005 / 0.016*	*±0.0051*	0.243	0.0243
Guaiol	*0.009 / 0.030*	*±0.0054*	0.146	0.0146
α-Phellandrene	*0.006 / 0.020*	*±0.0014*	0.132	0.0132
Citronellol	*0.003 / 0.010*	*±0.0043*	0.114	0.0114
Nerol	*0.003 / 0.011*	*±0.0013*	0.039	0.0039
Δ^3-Carene	*0.005 / 0.018*	*N/A*	ND	ND
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
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
Nerolidol	*0.006 / 0.019*	*N/A*	ND	ND
Cedrol	*0.008 / 0.027*	*N/A*	ND	ND
TOTAL TERPENOIDS			723.475 mg/g	72.3475%

NOTES
1. Deviations: Preparation mass outside of normal acceptance range.