

SAMPLE NAME: Blue Meringue

Flower, Hemp

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name: Black Tie Group

License Number:

Address:



SAMPLE DETAIL

Batch Number:

Sample ID: 220805S003

Date Collected: 08/05/2022

Date Received: 08/05/2022

Batch Size:

Sample Size: 8.0 grams

Unit Mass:

Serving Size: 1 grams per Serving



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.49738%

Total CBD: 13.79%

Sum of Cannabinoids: 17.52%

Total Cannabinoids: 15.4%

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total THC = Δ^9 -THC + (THCa (0.877))

Total CBD = CBD + (CBDa (0.877))

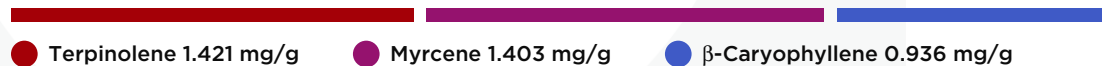
Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN

Total Cannabinoids = (Δ^9 -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^8 -THC + CBL + CBN

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 0.7887%



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 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)

Callie Stone
LQC verified by: Callie Stone
Date: 08/08/2022

Josh Wurzer
Approved by: Josh Wurzer, President
Date: 08/08/2022



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 0.49738%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 13.79%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 15.4%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 -THC + CBL + CBN

TOTAL CBG: 0.46%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.6%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.048%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 08/08/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDa	0.06 / 0.22	±4.835	146.95	14.695
CBD	0.1 / 0.3	±0.38	9.0	0.90
CBCa	0.1 / 0.4	±0.41	6.0	0.60
CBGa	0.1 / 0.4	±0.28	5.2	0.52
THCa	0.0005 / 0.0030	±0.14467	4.5068	0.45068
Δ^9 -THC	0.0013 / 0.0050	±0.03115	1.0213	0.10213
CBC	0.1 / 0.2	±0.03	0.7	0.07
CBDVa	0.02 / 0.22	±0.005	0.55	0.055
CBG	0.2 / 0.5	N/A	<LOQ	<LOQ
Δ^8 -THC	0.05 / 0.50	N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
THCVa	0.05 / 0.17	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
SUM OF CANNABINOIDS			175.2 mg/g	17.52%

Serving Size: 1 grams per Serving

Δ^9 -THC per Serving	1.0213 mg/serving
Total THC per Serving	4.9738 mg/serving
CBD per Serving	9.0 mg/serving
Total CBD per Serving	137.9 mg/serving
Sum of Cannabinoids per Serving	175.2 mg/serving
Total Cannabinoids per Serving	154.0 mg/serving

Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

TERPENOID TEST RESULTS - 08/08/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Terpinolene	0.008 / 0.027	±0.0215	1.421	0.1421
Myrcene	0.007 / 0.025	±0.0497	1.403	0.1403
β -Caryophyllene	0.004 / 0.013	±0.0504	0.936	0.0936
α -Bisabolol	0.008 / 0.026	±0.0242	0.563	0.0563
β -Ocimene	0.005 / 0.018	±0.0211	0.537	0.0537
Limonene	0.005 / 0.016	±0.0172	0.529	0.0529
Guaiol	0.011 / 0.035	±0.0178	0.328	0.0328
α -Humulene	0.009 / 0.031	±0.0172	0.319	0.0319
Terpineol	0.008 / 0.025	±0.0159	0.260	0.0260
Nerolidol	0.006 / 0.020	±0.0192	0.243	0.0243
Valencene	0.010 / 0.033	±0.0120	0.233	0.0233

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Terpenoid Analysis *Continued*

TERPENOID TEST RESULTS - 08/08/2022 *continued*

1 Terpinolene

Also known as δ -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.

2 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.

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.

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Linalool	0.009 / 0.030	±0.0079	0.201	0.0201
β -Pinene	0.004 / 0.015	±0.0060	0.185	0.0185
Fenchol	0.009 / 0.029	±0.0057	0.156	0.0156
α -Pinene	0.005 / 0.015	±0.0047	0.130	0.0130
trans- β -Farnesene	0.008 / 0.028	±0.0074	0.129	0.0129
α -Phellandrene	0.006 / 0.019	±0.0013	0.059	0.0059
α -Terpinene	0.006 / 0.019	±0.0011	0.053	0.0053
Borneol	0.004 / 0.014	±0.0025	0.053	0.0053
γ -Terpinene	0.005 / 0.018	±0.0011	0.048	0.0048
Δ^3 -Carene	0.005 / 0.018	±0.0012	0.043	0.0043
Citronellol	0.003 / 0.010	±0.0006	0.022	0.0022
Sabinene	0.004 / 0.014	±0.0007	0.021	0.0021
Pulegone	0.003 / 0.010	±0.0010	0.015	0.0015
Camphene	0.004 / 0.014	N/A	<LOQ	<LOQ
Eucalyptol	0.005 / 0.018	N/A	<LOQ	<LOQ
Sabinene Hydrate	0.007 / 0.022	N/A	<LOQ	<LOQ
Nerol	0.003 / 0.011	N/A	<LOQ	<LOQ
Caryophyllene Oxide	0.011 / 0.038	N/A	<LOQ	<LOQ
p-Cymene	0.005 / 0.015	N/A	ND	ND
Fenchone	0.008 / 0.026	N/A	ND	ND
Isopulegol	0.004 / 0.013	N/A	ND	ND
Camphor	0.005 / 0.015	N/A	ND	ND
Isoborneol	0.003 / 0.011	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
Geraniol	0.002 / 0.007	N/A	ND	ND
Geranyl Acetate	0.004 / 0.012	N/A	ND	ND
α -Cedrene	0.005 / 0.017	N/A	ND	ND
Cedrol	0.009 / 0.032	N/A	ND	ND
TOTAL TERPENOIDS			7.887 mg/g	0.7887%