

SAMPLE NAME: Wookie Breath

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: 220607N023

Date Collected: 06/07/2022

Date Received: 06/07/2022

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: 0.52165%

Total CBD: 14.15%

Sum of Cannabinoids: 17.69%

Total Cannabinoids: 15.75%

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: 1.1345%



β -Caryophyllene 3.404 mg/g



Myrcene 1.813 mg/g



α -Humulene 1.161 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 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)

Carmen Stackhouse *Josh Wurzer*
LQC verified by: Carmen Stackhouse Date: 06/10/2022
Approved by: Josh Wurzer, President Date: 06/10/2022



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: 0.52165%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 14.15%

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 15.75%

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

TOTAL CBG: 0.23%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.81%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.04%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 06/09/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDA	0.06 / 0.22	±4.726	143.65	14.365
CBD	0.1 / 0.3	±0.66	15.5	1.55
CBCa	0.1 / 0.4	±0.52	7.6	0.76
THCa	0.0005 / 0.0030	±0.14155	4.4098	0.44098
CBGa	0.1 / 0.4	±0.09	1.7	0.17
CBC	0.1 / 0.2	±0.05	1.4	0.14
Δ^9 -THC	0.0013 / 0.0050	±0.04115	1.3491	0.13491
CBG	0.2 / 0.5	±0.05	0.8	0.08
CBDVa	0.02 / 0.22	±0.004	0.46	0.046
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			176.9 mg/g	17.69%

Serving Size: 1 grams per Serving

Δ^9 -THC per Serving	1.3491 mg/serving
Total THC per Serving	5.2165 mg/serving
CBD per Serving	15.5 mg/serving
Total CBD per Serving	141.5 mg/serving
Sum of Cannabinoids per Serving	176.9 mg/serving
Total Cannabinoids per Serving	157.5 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 - 06/10/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β -Caryophyllene	0.004 / 0.013	±0.1831	3.404	0.3404
Myrcene	0.007 / 0.025	±0.0642	1.813	0.1813
α -Humulene	0.009 / 0.031	±0.0625	1.161	0.1161
Limonene	0.005 / 0.016	±0.0333	1.020	0.1020
Linalool	0.009 / 0.030	±0.0324	0.825	0.0825
α -Bisabolol	0.008 / 0.026	±0.0255	0.593	0.0593
Terpineol	0.008 / 0.025	±0.0300	0.491	0.0491
Terpinolene	0.008 / 0.027	±0.0059	0.393	0.0393
Fenchol	0.009 / 0.029	±0.0119	0.323	0.0323
Caryophyllene Oxide	0.011 / 0.038	±0.0179	0.301	0.0301
trans- β -Farnesene	0.008 / 0.028	±0.0136	0.239	0.0239

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Terpenoid Analysis *Continued*

TERPENOID TEST RESULTS - 06/10/2022 *continued*

1

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.

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

α-Humulene

Also known as α-caryophyllene, it is an isomer of the sesquiterpene β-Caryophyllene which frequently occurs in nature with many aromatic plants across the globe. It has a fragrance that can be described as earthy or musky with spicy undertones. Found in hops, forskohlii, skullcaps, basil, nutmeg, cloves, sage, cotton, tamarind, black pepper, guava, Scotch pine...etc.

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β-Pinene	0.004 / 0.015	±0.0069	0.214	0.0214
α-Pinene	0.005 / 0.015	±0.0044	0.122	0.0122
Borneol	0.004 / 0.014	±0.0049	0.105	0.0105
Citronellol	0.003 / 0.010	±0.0018	0.062	0.0062
Geraniol	0.002 / 0.007	±0.0032	0.061	0.0061
Valencene	0.010 / 0.033	±0.0022	0.043	0.0043
Guaial	0.011 / 0.035	±0.0020	0.036	0.0036
Camphene	0.004 / 0.014	±0.0009	0.029	0.0029
β-Ocimene	0.005 / 0.018	±0.0011	0.028	0.0028
Fenchone	0.008 / 0.026	±0.0010	0.027	0.0027
α-Phellandrene	0.006 / 0.019	±0.0004	0.020	0.0020
γ-Terpinene	0.005 / 0.018	±0.0005	0.019	0.0019
Nerol	0.003 / 0.011	±0.0006	0.016	0.0016
Sabinene	0.004 / 0.014	N/A	<LOQ	<LOQ
Δ ³ -Carene	0.005 / 0.018	N/A	<LOQ	<LOQ
α-Terpinene	0.006 / 0.019	N/A	<LOQ	<LOQ
p-Cymene	0.005 / 0.015	N/A	<LOQ	<LOQ
Eucalyptol	0.005 / 0.018	N/A	<LOQ	<LOQ
Sabinene Hydrate	0.007 / 0.022	N/A	<LOQ	<LOQ
Isoborneol	0.003 / 0.011	N/A	<LOQ	<LOQ
Isopulegol	0.004 / 0.013	N/A	ND	ND
Camphor	0.005 / 0.015	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
Pulegone	0.003 / 0.010	N/A	ND	ND
Geranyl Acetate	0.004 / 0.012	N/A	ND	ND
α-Cedrene	0.005 / 0.017	N/A	ND	ND
Nerolidol	0.006 / 0.020	N/A	ND	ND
Cedrol	0.009 / 0.032	N/A	ND	ND
TOTAL TERPENOIDS			11.345 mg/g	1.1345%