SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 11/16/2024

SAMPLE DETAILS

SAMPLE NAME: SB
Flower, Inhalable

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR
Business Name:

Scan QR code to verify authenticity of results.

SAMPLE DETAIL
Batch Number:
Sample ID: 241113K037

License Number:
Address:

Date Collected: 11/13/2024 **Date Received:** 11/13/2024 **Batch Size:**
Sample Size:
Unit Mass:
Serving Size:

CANNABINOID ANALYSIS - SUMMARY

Total THC: 19.55%

Total CBD: 0.038%

Sum of Cannabinoids: 24.49%

Total Cannabinoids: 21.55%

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: 1.5067%

β-Caryophyllene 4.508 mg/g | Terpinolene 2.458 mg/g | α-Humulene 1.390 mg/g

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: 11/16/2024

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 11/16/2024

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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: 19.55%
Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 0.038%
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 21.55%
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: 1.47%
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.185%
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.31%
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 11/15/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±7.052	219.68	21.968
CBGa	0.1 / 0.4	±0.87	16.1	1.61
Δ^9-THC	0.1 / 0.4	±0.18	2.5	0.25
CBCa	0.1 / 0.4	±0.24	3.5	0.35
THCVa	0.05 / 0.17	±0.050	2.11	0.211
CBG	0.2 / 0.5	±0.04	0.6	0.06
CBDa	0.06 / 0.22	±0.014	0.43	0.043
Δ^8-THC	0.05 / 0.50	N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
CBD	0.1 / 0.3	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBDVa	0.02 / 0.22	N/A	ND	ND
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
CBC	0.1 / 0.2	N/A	ND	ND
SUM OF CANNABINOIDS			244.9 mg/g	24.49%

Terpenoid Analysis

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

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

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 CB_2 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 - 11/16/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β-Caryophyllene	0.004 / 0.013	±0.2425	4.508	0.4508
Terpinolene	0.008 / 0.036	±0.0371	2.458	0.2458
α-Humulene	0.009 / 0.180	±0.0748	1.390	0.1390
Myrcene	0.007 / 0.025	±0.0459	1.297	0.1297
Limonene	0.005 / 0.016	±0.0313	0.959	0.0959
Linalool	0.009 / 0.036	±0.0269	0.684	0.0684
trans-β-Farnesene	0.008 / 0.028	±0.0363	0.637	0.0637
α-Bisabolol	0.008 / 0.026	±0.0267	0.621	0.0621
Valencene	0.010 / 0.180	±0.0205	0.397	0.0397
β-Pinene	0.004 / 0.015	±0.0121	0.375	0.0375
β-Ocimene	0.005 / 0.025	±0.0107	0.271	0.0271
Nerolidol	0.006 / 0.021	±0.0209	0.264	0.0264
Terpineol	0.008 / 0.025	±0.0143	0.234	0.0234

Continued on next page

Terpenoid Analysis *Continued*

2 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.

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.

TERPENOID TEST RESULTS - 11/16/2024 *continued*

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
α-Pinene	*0.005 / 0.036*	*±0.0068*	0.189	0.0189
Caryophyllene Oxide	*0.011 / 0.038*	*±0.0056*	0.094	0.0094
Fenchol	*0.009 / 0.036*	*±0.0033*	0.089	0.0089
Δ^3-Carene	*0.005 / 0.018*	*±0.0024*	0.086	0.0086
Guaiol	*0.011 / 0.035*	*±0.0046*	0.084	0.0084
α-Phellandrene	*0.006 / 0.036*	*±0.0018*	0.079	0.0079
γ-Terpinene	*0.005 / 0.018*	*±0.0016*	0.067	0.0067
Sabinene	*0.004 / 0.014*	*±0.0021*	0.067	0.0067
α-Terpinene	*0.006 / 0.019*	*±0.0014*	0.064	0.0064
Eucalyptol	*0.005 / 0.018*	*±0.0024*	0.059	0.0059
Sabinene Hydrate	*0.007 / 0.036*	*±0.0013*	0.036	0.0036
Borneol	*0.004 / 0.014*	*±0.0014*	0.029	0.0029
Camphene	*0.004 / 0.014*	*±0.0005*	0.015	0.0015
Pulegone	*0.003 / 0.010*	*±0.0009*	0.014	0.0014
Citronellol	*0.003 / 0.036*	*N/A*	<LOQ	<LOQ
Nerol	*0.003 / 0.036*	*N/A*	<LOQ	<LOQ
α-Cedrene	*0.005 / 0.017*	*N/A*	ND	ND
Camphor	*0.005 / 0.036*	*N/A*	ND	ND
Cedrol	*0.009 / 0.032*	*N/A*	ND	ND
Fenchone	*0.008 / 0.036*	*N/A*	ND	ND
Geraniol	*0.002 / 0.036*	*N/A*	ND	ND
Geranyl Acetate	*0.004 / 0.036*	*N/A*	ND	ND
Isoborneol	*0.003 / 0.011*	*N/A*	ND	ND
Isopulegol	*0.004 / 0.036*	*N/A*	ND	ND
Menthol	*0.008 / 0.025*	*N/A*	ND	ND
p-Cymene	*0.005 / 0.015*	*N/A*	ND	ND
TOTAL TERPENOIDS			15.067 mg/g	1.5067%