

SAMPLE NAME: White CBG

Flower, Inhalable

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Sonoma Hills Farm, LLC

License Number:
Address: 267 Vienna St
San Francisco CA 94112

SAMPLE DETAIL
Batch Number: WCBG_100122(H)

Sample ID: 221013N060

Date Collected: 10/13/2022

Date Received: 10/14/2022

Batch Size:
Sample Size: 6.0 grams

Unit Mass:
Serving Size:


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

CALCULATED USING DRY-WEIGHT

Total THC: 0.22%
Total CBD: 0.066%
Sum of Cannabinoids: 20.86%
Total Cannabinoids: 18.4%

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


Moisture: 16.3%
TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 0.9231%

 α -Bisabolol 2.709 mg/g

 β -Caryophyllene 2.597 mg/g

Guaiol 1.568 mg/g
SAFETY ANALYSIS - SUMMARY
Pesticides:  **PASS**

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)

Ali Bradford
LQC verified by: Alexandria Bradford
Date: 10/16/2022

Josh Wurzer
Approved by: Josh Wurzer, President
Date: 10/16/2022



Cannabinoid Analysis

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

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

TOTAL THC: 0.22%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 0.066%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 18.4%

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

TOTAL CBG: 17.4%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.71%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 10/15/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBGa	0.1 / 0.4	±10.33	192.1	19.21
CBCa	0.1 / 0.4	±0.42	6.1	0.61
CBG	0.2 / 0.5	±0.36	5.5	0.55
CBC	0.1 / 0.2	±0.07	1.8	0.18
THCa	0.04 / 0.24	±0.051	1.58	0.158
Δ^9 -THC	0.1 / 0.4	±0.02	0.8	0.08
CBDa	0.06 / 0.22	±0.025	0.75	0.075
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
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
SUM OF CANNABINOIDS			208.6 mg/g	20.86%

MOISTURE TEST RESULT

16.3%
Tested 10/14/2022
Method: QSP 1224 - Loss on Drying (Moisture)

Terpene Analysis

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

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

TERPENOID TEST RESULTS - 10/15/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
α -Bisabolol	0.008 / 0.026	±0.1165	2.709	0.2709
β -Caryophyllene	0.004 / 0.013	±0.1397	2.597	0.2597
Guaiol	0.011 / 0.035	±0.0853	1.568	0.1568
α -Humulene	0.009 / 0.031	±0.0424	0.789	0.0789
Nerolidol	0.006 / 0.020	±0.0301	0.381	0.0381
Myrcene	0.007 / 0.025	±0.0108	0.306	0.0306
Limonene	0.005 / 0.016	±0.0060	0.185	0.0185
Caryophyllene Oxide	0.011 / 0.038	±0.0073	0.123	0.0123
Geranyl Acetate	0.004 / 0.012	±0.0058	0.105	0.0105
trans- β -Farnesene	0.008 / 0.028	±0.0054	0.095	0.0095

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Terpenoid Analysis *Continued*

TERPENOID TEST RESULTS - 10/15/2022 *continued*

1

α-Bisabolol

A sesquiterpene alcohol with a fragrance that can be described as floral, peppery, sweet and clean. Found in chamomile, figwort, yarrow, skullcaps, lavender, ironwort, germander...etc.

2

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.

3

Guaiol

A sesquiterpene alcohol with a fragrance that can be described as floral, piney, herbal and woody. Found in guaiacum, cypress pine, ginseng, melaleuca, goatweed, incense grass...etc.

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Fenchol	0.009 / 0.029	±0.0033	0.090	0.0090
Borneol	0.004 / 0.014	±0.0039	0.083	0.0083
Linalool	0.009 / 0.030	±0.0029	0.075	0.0075
Terpineol	0.008 / 0.025	±0.0034	0.055	0.0055
Valencene	0.010 / 0.033	±0.0023	0.045	0.0045
Pulegone	0.003 / 0.010	±0.0017	0.025	0.0025
α-Pinene	0.005 / 0.015	N/A	<LOQ	<LOQ
β-Pinene	0.004 / 0.015	N/A	<LOQ	<LOQ
Fenchone	0.008 / 0.026	N/A	<LOQ	<LOQ
Terpinolene	0.008 / 0.027	N/A	<LOQ	<LOQ
Camphene	0.004 / 0.014	N/A	ND	ND
Sabinene	0.004 / 0.014	N/A	ND	ND
α-Phellandrene	0.006 / 0.019	N/A	ND	ND
Δ ³ -Carene	0.005 / 0.018	N/A	ND	ND
α-Terpinene	0.006 / 0.019	N/A	ND	ND
p-Cymene	0.005 / 0.015	N/A	ND	ND
Eucalyptol	0.005 / 0.018	N/A	ND	ND
β-Ocimene	0.005 / 0.018	N/A	ND	ND
γ-Terpinene	0.005 / 0.018	N/A	ND	ND
Sabinene Hydrate	0.007 / 0.022	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
Nerol	0.003 / 0.011	N/A	ND	ND
Citronellol	0.003 / 0.010	N/A	ND	ND
Geraniol	0.002 / 0.007	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			9.231 mg/g	0.9231%



Pesticide Analysis

PESTICIDE TEST RESULTS - 10/15/2022 ✔ PASS

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Chlordane*	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Chlorfenapyr*	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Pentachloronitrobenzene*	0.03 / 0.09	0.1	N/A	ND	PASS

*GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS