SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 08/05/2023

SAMPLE NAME: Blueberry Waffles
Flower, Hemp

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR
Hemp Flower
Reggie & Dro LLC
Casper, WY

SAMPLE DETAIL
Batch Number: 00207
Sample ID: 230803S006

Date Collected: 08/03/2023
Date Received: 08/03/2023
Batch Size:
Sample Size:
Unit Mass:
Serving Size:

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: **0.59%**

Total CBD: **13.49%**

Sum of Cannabinoids: 17.45%

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: **1.6055%**

- Myrcene 8.223 mg/g
- β-Caryophyllene 2.279 mg/g
- β-Ocimene 1.487 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: 08/05/2023

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 08/05/2023

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: 0.59%
Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 13.49%
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: 0.48%
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.78%
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.066%
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 08/05/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDa	*0.06 / 0.22*	*±4.833*	146.91	14.691
CBCa	*0.1 / 0.4*	*±0.55*	8.1	0.81
CBD	*0.1 / 0.3*	*±0.26*	6.1	0.61
THCa	*0.04 / 0.24*	*±0.183*	5.70	0.570
CBGa	*0.1 / 0.4*	*±0.23*	4.2	0.42
CBG	*0.2 / 0.5*	*±0.07*	1.1	0.11
Δ^9-THC	*0.1 / 0.4*	*±0.03*	0.9	0.09
CBDVa	*0.02 / 0.22*	*±0.007*	0.75	0.075
CBC	*0.1 / 0.2*	*±0.03*	0.7	0.07
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			174.5 mg/g	17.45%

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.

TERPENOID TEST RESULTS - 08/05/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	*0.007 / 0.025*	*±0.2911*	8.223	0.8223
β-Caryophyllene	*0.004 / 0.013*	*±0.1226*	2.279	0.2279
β-Ocimene	*0.005 / 0.018*	*±0.0584*	1.487	0.1487
Linalool	*0.009 / 0.030*	*±0.0331*	0.842	0.0842
α-Humulene	*0.009 / 0.031*	*±0.0376*	0.698	0.0698
Guaiol	*0.011 / 0.035*	*±0.0331*	0.608	0.0608
α-Bisabolol	*0.008 / 0.026*	*±0.0204*	0.475	0.0475
Limonene	*0.005 / 0.016*	*±0.0149*	0.457	0.0457
Terpineol	*0.008 / 0.025*	*±0.0143*	0.233	0.0233
Nerolidol	*0.006 / 0.020*	*±0.0176*	0.223	0.0223
β-Pinene	*0.004 / 0.015*	*±0.0033*	0.103	0.0103
trans-β-Farnesene	*0.008 / 0.028*	*±0.0052*	0.092	0.0092
Caryophyllene Oxide	*0.011 / 0.038*	*±0.0044*	0.074	0.0074

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Terpenoid Analysis *Continued*

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

3 β-Ocimene
A monoterpene with a fragrance that can be described as herbal, earthy, sweet with a hint of citrus. It is derived from members of the *Ocimum* genus, from which it lends its name. It also displays antifungal properties. A plant containing this terpene has been used in some traditional ayahuasca rituals and is also an important honey plant. Found in basil, tulsi, mint, oregano, parsley, some orchids, mangoes, tarragon...etc.

TERPENOID TEST RESULTS - 08/05/2023 *continued*

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Fenchol	*0.009 / 0.029*	*±0.0018*	0.049	0.0049
α-Pinene	*0.005 / 0.015*	*±0.0016*	0.045	0.0045
Eucalyptol	*0.005 / 0.018*	*±0.0016*	0.040	0.0040
Valencene	*0.010 / 0.033*	*±0.0019*	0.036	0.0036
Nerol	*0.003 / 0.011*	*±0.0010*	0.027	0.0027
γ -Terpinene	*0.005 / 0.018*	*±0.0006*	0.026	0.0026
Borneol	*0.004 / 0.014*	*±0.0011*	0.023	0.0023
Camphene	*0.004 / 0.014*	*±0.0005*	0.015	0.0015
α-Phellandrene	*0.006 / 0.019*	*N/A*	<LOQ	<LOQ
α-Terpinene	*0.006 / 0.019*	*N/A*	<LOQ	<LOQ
p-Cymene	*0.005 / 0.015*	*N/A*	<LOQ	<LOQ
Sabinene Hydrate	*0.007 / 0.022*	*N/A*	<LOQ	<LOQ
Fenchone	*0.008 / 0.026*	*N/A*	<LOQ	<LOQ
Terpinolene	*0.008 / 0.027*	*N/A*	<LOQ	<LOQ
Isoborneol	*0.003 / 0.011*	*N/A*	<LOQ	<LOQ
Sabinene	*0.004 / 0.014*	*N/A*	ND	ND
Δ^3-Carene	*0.005 / 0.018*	*N/A*	ND	ND
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
Citronellol	*0.003 / 0.010*	*N/A*	ND	ND
Pulegone	*0.003 / 0.010*	*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			16.055 mg/g	1.6055%