

SAMPLE NAME: Bubbatonic
 Flower, Inhalable

SAMPLE DETAIL

Batch Number:
 Sample ID: 201101K003



Date Collected: 11/01/2020
Date Received: 11/01/2020
Batch Size:
Sample Size:
Unit Mass:
Serving Size:



Scan QR code to verify
 authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.279%
Total CBD: 7.214%
Sum of Cannabinoids: 9.257%
Total Cannabinoids: 8.152%

Moisture: NT
Density: NT
Viscosity: NT

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 = $\Delta 9\text{THC} + (\text{THCa} \cdot 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDa} \cdot 0.877)$
 Sum of Cannabinoids = $\Delta 9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$
 Total Cannabinoids = $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

TERPENOID ANALYSIS - SUMMARY

Total Terpenoids: 1.072%

● Myrcene 2.6 mg/g ● β Caryophyllene 2.35 mg/g ● Terpinolene 1.6 mg/g

36 TESTED, TOP 3 HIGHLIGHTED

SAFETY ANALYSIS - SUMMARY

Pesticides: NT
Heavy Metals: NT
Mycotoxins: NT
Microbial Impurities (PCR): NT
Foreign Material: NT
Water Activity: NT
Residual Solvents: NT
Microbial Impurities (Plating): NT
Vitamin E Acetate: NT

For quality assurance purposes. Not a Pre-Harvest 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)


 Approved by: Josh Antunovich
 Date: 01/20/2021


 Approved by: Josh Wurzer, President
 Date: 01/20/2021



Cannabinoid Analysis

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

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

TOTAL THC: 0.279%

Total THC ($\Delta 9$ THC+0.877*THCa)

TOTAL CBD: 7.214%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 8.152%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta 8$ THC + CBL + CBN

TOTAL CBG: 0.3%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.32%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.039%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 11/02/2020

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDa	0.06 / 0.17	±3.361	79.64	7.964
CBCa	0.1 / 0.4	±0.32	3.6	0.36
CBGa	0.1 / 0.4	±0.24	3.4	0.34
THCa	0.04 / 0.12	±0.131	3.18	0.318
CBD	0.1 / 0.3	±0.13	2.3	0.23
CBDVa	0.02 / 0.06	±0.005	0.45	0.045
$\Delta 9$ THC	0.1 / 0.4	N/A	ND	ND
$\Delta 8$ THC	0.05 / 0.15	N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
THCVa	0.05 / 0.15	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBG	0.2 / 0.5	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			92.57 mg/g	9.257%

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

Not Tested

VISCOSITY TEST RESULT

Not Tested



Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID). Terpenes are the aromatic compounds that endow cannabis with their unique scent and effect. Following are the primary terpenes detected.

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.

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

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.

TERPENOID TEST RESULTS - 11/02/2020

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.1 / 0.2	±0.11	2.6	0.26
β Caryophyllene	0.04 / 0.11	±0.087	2.35	0.235
Terpinolene	0.04 / 0.1	±0.10	1.6	0.16
α Humulene	0.03 / 0.08	±0.018	0.85	0.085
Limonene	0.04 / 0.12	±0.038	0.71	0.071
Ocimene	0.05 / 0.1	±0.08	0.7	0.07
α Bisabolol	0.1 / 0.2	±0.04	0.5	0.05
α Pinene	0.04 / 0.13	±0.018	0.49	0.049
Guaiol	0.04 / 0.13	±0.019	0.42	0.042
β Pinene	0.1 / 0.2	±0.01	0.3	0.03
Linalool	0.04 / 0.1	±0.01	0.1	0.01
Terpineol	0.03 / 0.1	±0.01	0.1	0.01
R-(+)-Pulegone	0.04 / 0.1	N/A	<LOQ	<LOQ
Valencene	0.02 / 0.06	N/A	<LOQ	<LOQ
Caryophyllene Oxide	0.1 / 0.2	N/A	<LOQ	<LOQ
Cedrol	0.1 / 0.2	N/A	<LOQ	<LOQ
Camphene	0.1 / 0.2	N/A	ND	ND
Sabinene	0.1 / 0.2	N/A	ND	ND
α Phellandrene	0.1 / 0.2	N/A	ND	ND
3 Carene	0.1 / 0.2	N/A	ND	ND
α Terpinene	0.1 / 0.2	N/A	ND	ND
Eucalyptol	0.1 / 0.2	N/A	ND	ND
γ Terpinene	0.1 / 0.2	N/A	ND	ND
Sabinene Hydrate	0.1 / 0.2	N/A	ND	ND
Fenchone	0.1 / 0.2	N/A	ND	ND
Fenchol	0.1 / 0.2	N/A	ND	ND
(-)-Isopulegol	0.03 / 0.08	N/A	ND	ND
Camphor	0.1 / 0.3	N/A	ND	ND
Isoborneol	0.1 / 0.2	N/A	ND	ND
Borneol	0.1 / 0.3	N/A	ND	ND
Menthol	0.04 / 0.1	N/A	ND	ND
Nerol	0.05 / 0.1	N/A	ND	ND
Geraniol	0.04 / 0.11	N/A	ND	ND
Geranyl Acetate	0.03 / 0.10	N/A	ND	ND
α Cedrene	0.03 / 0.10	N/A	ND	ND
Nerolidol	0.03 / 0.09	N/A	ND	ND
TOTAL TERPENOIDS			10.72 mg/g	1.072%

NOTES

COA amended to update order detail information.

BUBBATONIC

Photoperiodism

Photoperiod Dependent

Aroma

Skunk like with a fruity undertone

Ideal Planting Window @ 35°N

Late June - Early July

Planting Population per Acre

2,500-5,000 (depending on planting date/location)

Days to Maturity

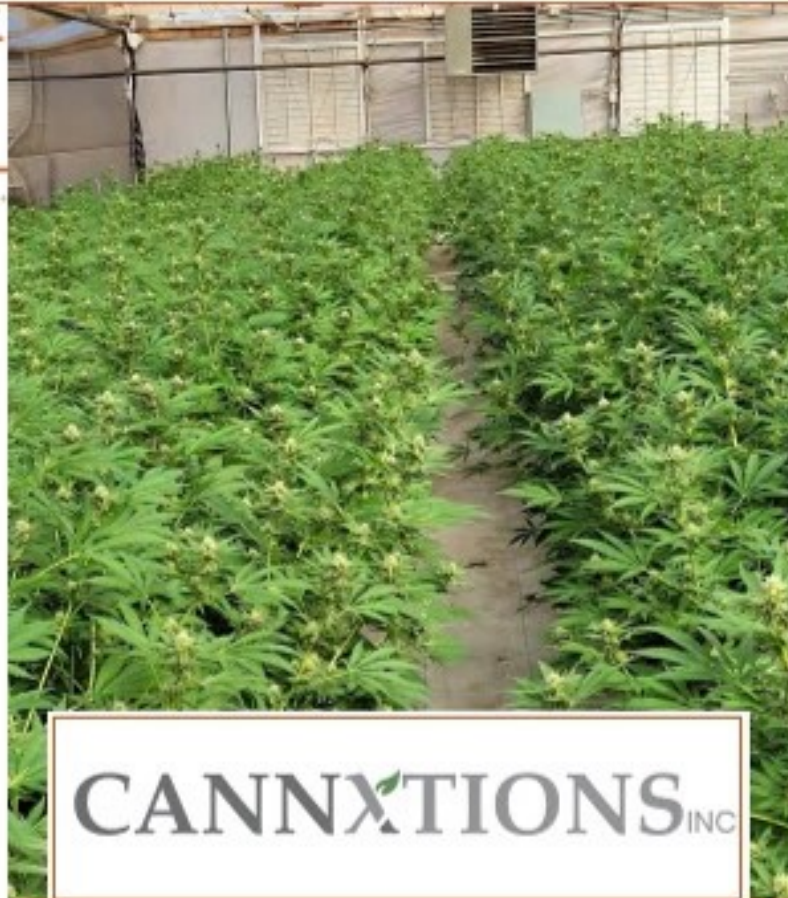
85 days from wet date

Dry Flower Yield / Acre

2,000 - 4,000 lbs per acre

Total CBD Potential

Up to 17%



Beautiful purple undertones, dense, and bulbous flowers. This varietal exhibits several terminal bud sites and a shorter bushier growth habit.

Seed Industry Experience

With more than **20** years of seed industry experience, our team understands how to deliver a quality product that exceeds industry standards.

Customer Service

We pride ourselves on having informed answers to our customer's questions and always striving to provide the information they need to yield success with varieties.

Quality Control

We feel that Q.C. is essential to our customer's success, therefore, we go the extra mile to test our products with our customer's through our trialing program.

Focus on Agronomy

Our extensive trialing and research efforts allow us to accurately advise growers on the optimal planting densities, planting dates, and growing practices.

KNOW YOUR CROP

Why choose feminized seeds?

- Male plants waste valuable space because they produce negligible amounts of CBD.
- Male plants spread pollen which reduces CBD yields in surrounding female plants.
- Quality feminized seed means 99.97% females.
- Cuts labor costs by reducing the need for roguing males.
- Not spreading pollen to nearby cannabis/hemp operations makes you a good neighbor.

DIFFERENT VARIETIES

Day Length Dependent

- Known as "full term" or "full season" varieties
- Plants that harvest following the **short days** from Sept. - Nov.
- **Ideal** for growers that **only** have a slot for one large crop per year
- Growers can reduce planting density the earlier they plant in the season
- Great for growers that plan to transplant

Day Length Neutral

- Known as "autoflower" varieties
- Flowering time is **independent of day length**
- Allows for **succession harvests** throughout the year
- Improves processing, storage, labor, transportation, and sales logistics
- Shorter time in the field means less time for pests and diseases to set in
- Susceptible to extreme transplant shock **without proper care**
- Great for growers that plan to direct sow



Maverick - San Benito, CA

40" Bed | Single Line | 16" apart | 9,801 plants/acre

**Date Sown: June 1st
Harvest Date: July 28th**



Maverick - San Benito, CA



Maverick - San Benito, CA



Maverick - San Benito, CA

MAVERICK

PREMIUM HEMP SEED

Grower Traits

A sturdy bushy growth habit allows Maverick to endure the challenges of the growing season. Most of its energy is focused on flowering which lends to a greater bud to leaf ratio and heavier harvests.

Consumer Traits

The dense trichomes and dominant sweet, skunky aroma cause Maverick to stand out in the field and on the shelf, leaving consumers amazed by its appearance and pungent fragrance.



Technical Data

FEMINIZED

CBD Content

10 - 14%

THC Content

0.27 - 0.4%

Terpene Profile

Myrcene, Pinene & Beta Caryophyllene

Photoperiodism

Day Length Neutral

Days to Maturity

85 - 90 days

Suggested Planting Density

10,000 - 20,000 plants per acre



Open Field



Vegetative



Flower

Certification of Analysis

Example

MAVERICK

Information only sample - Flower

Cannabinoids	LOQ (%)	mg/g	%weight
Total THC	$((\text{THCA} * 0.877) + \Delta 9\text{THC})$	3.00	0.300
Total CBD	$((\text{CBDA} * 0.877) + \text{CBD})$	101	10.1

VARIETY PLANTING GUIDE

Below are common bed configurations listed based upon center to center measurements.

To use the guide, follow these simple steps:

1. Identify the variety that you are growing
2. Locate your bed configuration
3. Identify the number of lines to plant per bed
4. Identify the space between plants in-line
5. Your total planting density per acre is listed in column four (4).

MAVERICK™ (20,000 plants/acre)

CENTER TO CENTER (INCHES)	LINES PER BED	IN-LINE SPACING (INCHES)	PLANTING DENSITY (PLANTS/ACRE)
22	1	14	20,366
30	1	10	20,909
40	1	8	19,602
60	2	10	20,909
80	3	12	19,602

PLANTING DENSITY ECONOMICS

Based upon university and commercial trials, a higher planting density has many benefits. Those benefits include better canopy cover to combat competition from weeds and reduced evaporation of water from the soil. Additionally, for autoflower varieties such as Maverick and Pipeline, the potential yield gains at higher densities greatly improves the growers net returns per acre.

STANDARD DENSITY EXAMPLE

Recommended planting density = 13,000 plants

Cost per acre for feminized seed = \$1,650

Total estimated farming cost = \$5,000 per acre

Total estimated harvest cost = \$1,500 per acre

Total per acre production cost = \$8,150

Total estimated yield per acre at 100% stand
(3.5 oz./plant) = 2,844 lbs per acre

Total estimated yield per acre at 80% stand
(3.5 oz./plant) = 2,275 lbs per acre

Projected market value in 2020 = \$5/lb.

Total revenue (80% stand) = \$11,375 per acre
Total net revenue (80% stand) = \$3,225 per acre

HIGH DENSITY EXAMPLE

Recommended planting density = 26,000 plants

Cost per acre for feminized seed = \$3,300

Total estimated farming cost = \$5,000 per acre

Total estimated harvest cost = \$3,000 per acre

Total per acre production cost = \$11,300

Total estimated yield per acre at 100% stand
(3 oz./plant) = 4,875 lbs per acre

Total estimated yield per acre at 80% stand
(3 oz./plant) = 3,900 lbs per acre

Projected market value in 2020 = \$5/lb

Total revenue (80% stand) = \$19,500 per acre
Total net revenue (80% stand) = \$8,200 per acre

Variety Slotting Calendar - Central Valley Region

Variety	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEPT		OCT		NOV		DEC	
	1-15	15-31	1-15	15-29	1-15	15-31	1-15	15-30	1-15	15-31	1-15	15-30	1-15	15-31	1-15	15-31	1-15	15-30	1-15	15-31	1-15	15-30	1-15	1-31
Pipeline 13-26k seeds/ac	Not Suggested		Not Suggested		Area Dependent		Ideal Slot				Area Dependent		Not Suggested											
Maverick 10-15k seeds/ac	Not Suggested		Not Suggested		Area Dependent		Ideal Slot						Area Dependent		Not Suggested									
Berry Blossom 6-11k seeds/ac	Not Suggested								Ideal Slot				Area Dependent		Not Suggested									

Not Suggested	
Area Dependent	
Ideal Slot	

CANNXTIONS INC

Central California Planting Schedule



Variety Slotting Calendar - Southern Desert

Variety	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEPT		OCT		NOV		DEC	
	1-15	15-31	1-15	15-29	1-15	15-31	1-15	15-30	1-15	15-31	1-15	15-30	1-15	15-31	1-15	15-31	1-15	15-30	1-15	15-31	1-15	15-30	1-15	1-31
Pipeline 13-26k seeds/ac	Not Suggested	Area Dependent	Ideal Slot		Area Dependent	Not Suggested																		
Maverick 10-15k seeds/ac	Not Suggested	Area Dependent	Ideal Slot		Area Dependent	Not Suggested																		
Berry Blossom 6-11k seeds/ac	Not Suggested																Area Dependent	Ideal Slot		Area Dependent	Not Suggested			

Not Suggested	Red
Area Dependent	Yellow
Ideal Slot	Green

CANNXTIONS INC

Central California Planting Schedule



MAVERICK

PREMIUM SEED



Grower Traits

A sturdy bushy growth habit allows Maverick to endure the challenges of the growing season. Most of its energy is focused on flowering which lends to a greater bud to leaf ratio and heavier harvests.

Consumer Traits

The dense trichomes and dominant sweet, skunky aroma cause Maverick to stand out in the field and on the shelf, leaving consumers amazed by its appearance and pungent fragrance.



Open Field



Vegetative



Flower

Technical Data

FEMINIZED

CBD Content
10 - 14%

THC Content
0.27 - 0.4%

Terpene Profile
Myrcene, Pinene &
Beta Caryophyllene

Photoperiodism
Day Length Neutral

Days to Maturity
85 - 90 days

**Suggested Planting
Density**
10,000 - 20,000 plants
per acre



HEMP LABORATORY TEST CERTIFICATE OF ANALYSIS

SC Laboratories, LLC
100 Pioneer Street, Suite E
Santa Cruz, CA 95060
(866) 435-0709 | sclabs.com

Sample Name: Maverick flower

LIMS Sample ID: 200219S005

Batch #: 2

Source METRC UID:

Sample Type: Flower, Inhalable

Batch Count:

Sample Count:

Unit Mass:

Serving Mass:

Density:

Date Collected: 02/19/2020

Date Received: 02/19/2020

Tested for:

License #:

Address:

Produced by:

License #:

Address:

Moisture Test Results

Results (%)

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization
Detection (GC - FID)

mg/g % LOD / LOQ mg/g

Cannabinoid Test Results

02/21/2020

Cannabinoid analysis utilizing High Performance Liquid Chromatography
(HPLC, QSP 5-4-4-4)

	mg/g	%	LOD / LOQ mg/g
Δ9THC	0.790	0.0790	0.052 / 0.158
Δ8THC	ND	ND	0.074 / 0.224
THCa	3.281	0.3281	0.052 / 0.156
THCV	ND	ND	0.045 / 0.137
THCVa	ND	ND	0.088 / 0.267
CBD	6.840	0.6840	0.059 / 0.180
CBDa	98.453	9.8453	0.052 / 0.156
CBDV	ND	ND	0.027 / 0.080
CBDVa	0.402	0.0402	0.030 / 0.090
CBG	0.664	0.0664	0.048 / 0.144
CBGa	5.522	0.5522	0.034 / 0.102
CBL	ND	ND	0.114 / 0.346
CBN	ND	ND	0.052 / 0.157
CBC	0.974	0.0974	0.048 / 0.146
CBCa	10.415	1.0415	0.233 / 0.705

Sum of Cannabinoids: 127.341

Total THC (Δ9THC+0.877*THCa) 3.667

Total CBD (CBD+0.877*CBDa) 93.183

Action Limit mg

Δ9THC per Unit

Δ9THC per Serving

Batch Photo



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.


Josh Wurzer, President
Date: 02/22/2020

Hemp Analysis - Summary

Tested by: high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC¹

0.2939%²

CANNABINOID PROFILE

8.3816% Total CBD¹

9.9316% Total Cannabinoids³

Terpenes Not Tested



- 1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = $\Delta 9\text{THC} + (\text{THCa} (0.877))$ and Total CBD = $\text{CBD} + (\text{CBDa} (0.877))$.
- 2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ -9-THC) post-decarboxylation - see formula above.
- 3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16, Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

Maverick Green

Tested for:

Sample ID: 200219S011

Address:

Date Collected: 02/19/2020

Batch #:

Date Received: 02/19/2020

Final Approval



Josh Warzer,
President
Date: 02/20/2020

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. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.



**HEMP LABORATORY TEST
CERTIFICATE OF ANALYSIS**

SC Laboratories, LLC
100 Pioneer Street, Suite E
Santa Cruz, CA 95060
(866) 435-0709 | sclabs.com

Sample Name: Maverick flower

LIMS Sample ID: 200219S005

Batch #: 2

Source METRC UID:

Sample Type: Flower, Inhalable

Batch Count:

Sample Count:

Unit Mass:

Serving Mass:

Density:

Date Collected: 02/19/2020

Date Received: 02/19/2020

Tested for:

License #:

Address:

Produced by:

License #:

Address:

Pesticide Test Results

Pesticide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

Results (µg/g) Action Limit µg/g LOD / LOQ µg/g

Pesticide Test Results

Pesticide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

Results (µg/g) Action Limit µg/g LOD / LOQ µg/g

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

Results (µg/kg) Action Limit µg/kg LOD / LOQ µg/kg

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


Josh Wurzer, President
Date: 02/22/2020



Sample Name: Maverick flower

LIMS Sample ID: 200219S005

Batch #: 2

Source METRC UID:

Sample Type: Flower, Inhalable

Batch Count:

Sample Count:

Unit Mass:

Serving Mass:

Density:

Date Collected: 02/19/2020

Date Received: 02/19/2020

Tested for:

License #:

Address:

Produced by:

License #:

Address:

Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass Spectrometry (GC - MS)

Results (µg/g) Action Limit µg/g LOD / LOQ µg/g

Results (Aw) Action Limit Aw

Water Activity Test Results

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Results (µg/g) Action Limit µg/g LOD / LOQ µg/g

Note

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

Results Action Limit

3M Petrifilm and plate counts for microbiological contamination
Results (cfu/g)

Foreign Material Test Results

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.


Josh Wurzer, President
Date: 02/22/2020

Report of Seed Analysis

DATE RECEIVED 11/07/2019	DATE COMPLETED 11/20/2019	TEST NO. 341599
SENDERS INFORMATION*		
KIND: Hemp		
VARIETY: Maverick		
GENUS/SPECIES: Cannabis sativa		
LOT NUMBER: 1B		
SIZE OF LOT: 546.0 lbs.		
FIELD NUMBER: N/A		
SAMPLE TYPE: Submitted Sample		
OTHER INFORMATION:		

*The information provided here is that of the sender and not of the laboratory.

PURITY ANALYSIS

(50.05 GRAMS ANALYZED)

PURE SEED COMPONENT(S):									
Cannabis sativa	99.38 %	97.00 x	x	97.00	400	7	x	x	

VIABILITY ANALYSIS

Germ %	Dormant %	Hard Seed %	Total Viable %	No. Seeds (Germ)	Days Tested	TFL %	TZ %
97.00	x	x	97.00	400	7	x	x

OTHER CROP SEED:	0.00 %
INERT MATTER:	0.62 %
WEED SEED:	0.00 %

COMMENTS:

OTHER CROP SEED:
None Found

ALL STATES/FEDERAL NOX. WEED SEEDS 500.9 GMS. ANALYZED:
 (EXCEPT HI & DUST-LIKE NOXIOUS WEED SEEDS)
 None Found

INERT MATTER:
soil, chaff

OTHER DETERMINATIONS:
N/A

WEED SEED:
None Found

Date Issued: 11/21/2019



Shawn K. Davidson
Jane E. Emese

SIGNATURE

REGISTERED SEED TECHNOLOGISTS - SEAL NO. 107

TESTED IN ACCORDANCE WITH AOSA RULES

NOTICE: EXCLUSION OF WARRANTIES AND LIMITATIONS OF DAMAGES AND REMEDY: Tests herein reported were conducted on a sample provided by the requesting party. Test results are representative of the condition of the sample only, on the day the tests were performed. Agri Seed Testing Inc. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE CONCERNING ITS TEST RESULTS ON THIS LOT OF SEED. Liability for damages for any cause, including breach of contract, breach of warranty and negligence, with respect to this testing report is limited to a refund of the price of testing the seed. This remedy is exclusive. In no event shall we be liable for any incidental or consequential damages, including loss of profits.

MAVERICK

Photoperiodism

Day Length Neutral

Aroma

Deep skunk mixed with gasoline and fruity undertones - High in Myrcene and Pinene

Ideal Planting Window @ 35°N

Late April - Early May

Planting Population per Acre

10,000 - 20,000 (depending on planting date/location)

Days to Maturity

80 days from wet date

Dry Flower Yield / Acre

3,000 - 5,000 lbs per acre

Total CBD Potential

Up to 14%



Most suitable for terpene extraction and hemp cigarette raw material. Maverick is a large day-neutral variety that is known for its large expansive flowers that are rich in terpenes and cannabinoids. Has both purple and green phenotypes and is ideal for a low cost mechanical approach to hemp planting/harvesting.

SAMPLE NAME: Sour Kush
 Flower, Inhalable

SAMPLE DETAIL

Batch Number:
 Sample ID: 201101K004

Date Collected: 11/01/2020
Date Received: 11/01/2020
Batch Size:
Sample Size:
Unit Mass:
Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.243%

Total CBD: 6.407%

Sum of Cannabinoids: 8.378%

Total Cannabinoids: 7.370%

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 = $\Delta 9\text{THC} + (\text{THCa} \cdot 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDa} \cdot 0.877)$
 Sum of Cannabinoids = $\Delta 9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$
 Total Cannabinoids = $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

Moisture: NT
Density: NT
Viscosity: NT

SAFETY ANALYSIS - SUMMARY

Pesticides: NT

Mycotoxins: NT

Residual Solvents: NT

Heavy Metals: NT

Microbial Impurities (PCR): NT

Microbial Impurities (Plating): NT

Foreign Material: NT

Water Activity: NT

Vitamin E Acetate: NT

For quality assurance purposes, Not a Pre-Harvest 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)



LOC verified by: Josh Antunovich
 Date: 01/20/2021



Approved by: Josh Wurzer, President
 Date: 01/20/2021



Cannabinoïd Analysis

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

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

TOTAL THC: 0.243%

Total THC (Δ^9 THC+0.877*THCa)

TOTAL CBD: 6.407%

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 7.370%

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

TOTAL CBG: 0.34%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.35%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.03%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 11/02/2020

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDa	0.06 / 0.17	±2.986	70.77	7.077
CBCa	0.1 / 0.4	±0.35	4.0	0.40
CBGa	0.1 / 0.4	±0.27	3.9	0.39
THCa	0.04 / 0.12	±0.114	2.77	0.277
CBD	0.1 / 0.3	±0.11	2.0	0.20
CBDVa	0.02 / 0.06	±0.004	0.34	0.034
Δ^9 THC	0.1 / 0.4	N/A	ND	ND
Δ 8THC	0.05 / 0.15	N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
THCVa	0.05 / 0.15	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBG	0.2 / 0.5	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			83.78 mg/g	8.378%

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

Not Tested

VISCOSITY TEST RESULT

Not Tested

NOTES

COA amended to update order detail information.

SOUR KUSH

Photoperiodism

Photoperiod Dependent

Aroma

A blend of Myrcene and Beta Caryophyllene that resembles mango covered in gasoline

Ideal Planting Window @ 35°N

Late June - Early July

Planting Population per Acre

2,500-5,000 (depending on planting date/location)

Days to Maturity

80 days from wet date

Dry Flower Yield / Acre

2,000 - 3,000 lbs per acre

Total CBD Potential

Up to 16%



A photoperiod sensitive variety that has a favorable flower to stem & leaf ratio. Has a highly resinous appearance and several large terminal colas on each set of branches.