

SAMPLE NAME: Smoker's Blend Tea

Flower, Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name: Sisters Of The Valley

License Number:

Address:
Merced CA 95348



SAMPLE DETAIL

Batch Number: Rowan Moon Feb 2021

Sample ID: 210302V004

Date Collected: 03/02/2021

Date Received: 03/02/2021

Batch Size:

Sample Size: 28.0 grams

Unit Mass: 28 grams per Unit

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.229%

Total CBD: 6.41%

Sum of Cannabinoids: 7.56%

Total Cannabinoids: 7.119%

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

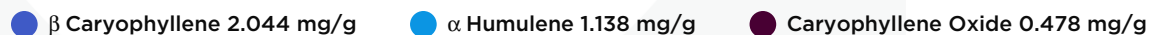
Density: NT

Viscosity: NT

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 0.5006%



SAFETY ANALYSIS - SUMMARY

Pesticides: NT

Heavy Metals: NT

Foreign Material: NT

Mycotoxins: NT

Microbial Impurities (PCR): 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)

LQC verified by: *Reza Naemeh*
Date: 03/05/2021

Approved by: *Josh Wurzer*, President
Date: 03/05/2021



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: 0.229%

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

TOTAL CBD: 6.41%

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 7.119%

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

TOTAL CBG: 0.2%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.28%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: <LOQ

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 03/04/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.1 / 0.3	±1.93	35.2	3.52
CBDA	0.06 / 0.22	±1.390	32.95	3.295
$\Delta 9$ THC	0.1 / 0.4	±0.07	1.9	0.19
CBC	0.1 / 0.2	±0.08	1.7	0.17
CBCa	0.1 / 0.4	±0.11	1.3	0.13
CBGa	0.1 / 0.4	±0.08	1.1	0.11
CBG	0.2 / 0.5	±0.09	1.0	0.10
THCa	0.04 / 0.24	±0.019	0.45	0.045
CBDVa	0.02 / 0.22	N/A	<LOQ	<LOQ
CBN	0.07 / 0.20	N/A	<LOQ	<LOQ
$\Delta 8$ 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
SUM OF CANNABINOIDS			75.60 mg/g	7.56%

Unit Mass: 28 grams per Unit

$\Delta 9$ THC per Unit	53.2 mg/unit
Total THC per Unit	64.12 mg/unit
CBD per Unit	985.6 mg/unit
Total CBD per Unit	1794.80 mg/unit
Sum of Cannabinoids per Unit	2116.80 mg/unit
Total Cannabinoids per Unit	1993.32 mg/unit

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 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 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.

3 Caryophyllene Oxide

A sesquiterpene epoxide with a fragrance that can be described as fresh, sweet, dry, woody and spicy. It is a component used by drug-sniffing dogs to identify cannabis. It does interact with the endocannabinoid system. Found in field wormwood, salt heliotrope, cinnamon, sticky sage, basil, waterbessie...etc.

TERPENOID TEST RESULTS - 03/05/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β Caryophyllene	0.004 / 0.013	± 0.1414	2.044	0.2044
α Humulene	0.009 / 0.031	± 0.0786	1.138	0.1138
Caryophyllene Oxide	0.011 / 0.038	± 0.0365	0.478	0.0478
α Bisabolol	0.008 / 0.026	± 0.0246	0.444	0.0444
Linalool	0.009 / 0.030	± 0.0142	0.282	0.0282
Nerolidol	0.008 / 0.028	± 0.0258	0.254	0.0254
trans- β -Farnesene	0.008 / 0.028	± 0.0062	0.085	0.0085
Terpineol	0.014 / 0.046	± 0.0054	0.069	0.0069
Eucalyptol	0.005 / 0.018	± 0.0026	0.051	0.0051
Fenchol	0.009 / 0.029	± 0.0021	0.045	0.0045
Valencene	0.010 / 0.033	± 0.0025	0.037	0.0037
Borneol	0.004 / 0.014	± 0.0021	0.035	0.0035
Limonene	0.005 / 0.016	± 0.0011	0.026	0.0026
α Pinene	0.005 / 0.015	± 0.0008	0.018	0.0018
β Pinene	0.004 / 0.015	N/A	<LOQ	<LOQ
Myrcene	0.007 / 0.025	N/A	<LOQ	<LOQ
γ Terpinene	0.005 / 0.018	N/A	<LOQ	<LOQ
Citronellol	0.003 / 0.010	N/A	<LOQ	<LOQ
Guaiol	0.011 / 0.035	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
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
Ocimene	0.015 / 0.034	N/A	ND	ND
Sabinene Hydrate	0.007 / 0.022	N/A	ND	ND
Fenchone	0.008 / 0.026	N/A	ND	ND
Terpinolene	0.008 / 0.027	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
R-(+)-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			5.006 mg/g	0.5006%

