



Sample Name:

**Sweet Cake #1**

Flower, Inhalable

Date Issued:

**01/06/2020**

## Sample Details

**Sample ID:** 191107K004

**Batch Number:**

**Batch Size:**

**Date Collected:** 11/07/2019

**Date Received:** 11/08/2019

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Cultivator / Manufacturer

[Show Details](#)

Distributor / Tested For

[Show Details](#)



([https://sclaboratories.s3.amazonaws.com/sample\\_photos/191107K004.jpg](https://sclaboratories.s3.amazonaws.com/sample_photos/191107K004.jpg))

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Cannabinoid Analysis - Summary

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Total THC: **0.6895%**

Total CBD: **16.3851%**

Sum of Cannabinoids: **21.1568%**

**Total Cannabinoids: 18.6089%**

**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 =  $\Delta 9\text{THC} + (\text{THCa} (0.877))$

Total CBD =  $\text{CBD} + (\text{CBDa} (0.877))$

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

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Why are Sum of Cannabinoids and Total Cannabinoids calculated separately? ▼

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Terpenoid Analysis – Summary | 36 TESTED, TOP 3 HIGHLIGHTED

[View Full Results](#)

**Total Terpenoids: 2.2102%**

- |   |                              |   |                                 |
|---|------------------------------|---|---------------------------------|
| 1 | Myrcene (1.0767%)            | 2 | $\beta$ Caryophyllene (0.3426%) |
| 3 | $\alpha$ Bisabolol (0.1590%) |   |                                 |

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Safety Analysis – Summary

[View Full Results](#)

**Pesticides: PASS**

**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**

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View Complete Test Results:

[Collapse All](#)



Cannabinoid Analysis  **Pass**

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

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

### Summary

**Total THC:**

**0.6895%**

Total THC ( $\Delta^9\text{THC} + 0.877 * \text{THCa}$ )

**Total CBD:**

**16.3851%**

Total CBD ( $\text{CBD} + 0.877 * \text{CBDa}$ )

**Total Cannabinoids:** 

# 18.6089%

**Total CBG:** 0.5635%

Total CBG (CBG+0.877\*CBGa)

**Total THCV:** ND

Total THCV (THCV+0.877\*THCVa)

**Total CBC:** 0.9031%

Total CBC (CBC+0.877\*CBCa)

**Total CBDV:** 0.0677%

Total CBDV (CBDV+0.877\*CBDVa)

## Learn more

The cannabis plant contains dozens of active compounds called cannabinoids (<https://www.sclabs.com/cannabinoids/>). These compounds are the primary contributors to the psychoactive effects of cannabis.

Cannabinoid testing (<https://www.sclabs.com/cannabis/>) determines the potency of a sample to aid in dosage considerations.

## Cannabinoid Test Results | 11/09/2019

### Result Views

Swipe left on table to see additional columns

Compound	LOD/LOQ (mg/g) ?	Result (mg/g)	Result (%)
CBDA	0.052 / 0.156	183.305	18.3305
CBCA	0.233 / 0.705	9.834	0.9834
<b>SUM OF CANNABINOIDS</b>		<b>211.568 mg/g</b>	<b>21.1568%</b>

Compound	LOD/LOQ (mg/g) <sup>?</sup>	Result (mg/g)	Result (%)
THCA	0.052 / 0.156	7.172	0.7172
CBGA	0.034 / 0.102	6.054	0.6054
CBD	0.059 / 0.180	3.093	0.3093
CBDVA	0.030 / 0.090	0.772	0.0772
Δ9THC	0.052 / 0.158	0.605	0.0605
CBC	0.048 / 0.146	0.407	0.0407
CBG	0.048 / 0.144	0.326	0.0326
Δ8THC	0.074 / 0.224	ND	ND
THCV	0.045 / 0.137	ND	ND
THCVA	0.088 / 0.267	ND	ND
CBDV	0.027 / 0.080	ND	ND
CBL	0.114 / 0.346	ND	ND
CBN	0.052 / 0.157	ND	ND
<b>SUM OF CANNABINOIDS</b>		<b>211.568 mg/g</b>	<b>21.1568%</b>

Moisture Test Result

**Not Tested**

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Density Test Result

**Not Tested**

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Viscosity Test Result

**Not Tested**



Terpenoid Analysis  **Tested**

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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

Summary

Total Terpenoids (mg/g):

**22.102 mg/g**

Total Terpenoids (%):

**2.2102%**

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Dominant Terpenoids

Below are this sample's 3 most abundant terpenoids by volume. .

1 Myrcene

- 1.0767%
- 2  $\beta$  Caryophyllene  
0.3426%
- 3  $\alpha$  Bisabolol  
0.1590%

### Learn more

Terpenoid analysis (<https://www.sclabs.com/terpene-analysis/>) is crucial for differentiating between strains of cannabis, as terpenoids (<https://www.sclabs.com/terpene/>) have a major influence on the medical and psychological effects of a plant. The relationship between cannabinoids and terpenoids is known as the "entourage effect."

### Terpenoid Test Results | 11/11/2019

#### Result Views

Table

Bar Graph

Filter by

Swipe left on table to see additional columns

Compound	LOD/LOQ (mg/g) <sup>Ⓢ</sup>	Result (mg/g)	Result (%)
Myrcene	0.03 / 0.092	10.767	1.0767
$\beta$ Caryophyllene	0.029 / 0.087	3.426	0.3426
$\alpha$ Bisabolol	0.057 / 0.172	1.590	0.1590
$\alpha$ Pinene	0.028 / 0.084	1.477	0.1477
Guaiol	0.035 / 0.106	0.948	0.0948
<b>TOTAL</b>		<b>22.102 mg/g</b>	<b>2.2102%</b>

Compound	LOD/LOQ (mg/g) ②	Result (mg/g)	Result (%)
$\alpha$ Humulene	0.017 / 0.051	0.917	0.0917
Limonene	0.04 / 0.12	0.66	0.066
$\beta$ Pinene	0.016 / 0.048	0.578	0.0578
Ocimene	0.053 / 0.16	0.57	0.057
Linalool	0.043 / 0.13	0.39	0.039
Nerolidol	0.05 / 0.15	0.23	0.023
Caryophyllene Oxide	0.011 / 0.034	0.204	0.0204
Cedrol	0.022 / 0.066	0.119	0.0119
Terpineol	0.029 / 0.087	0.096	0.0096
Valencene	0.018 / 0.055	0.080	0.0080
$\alpha$ Cedrene	0.012 / 0.035	0.050	0.0050
Terpinolene	0.042 / 0.128	<LOQ	<LOQ
Fenchol	0.051 / 0.153	<LOQ	<LOQ
Camphene	0.038 / 0.116	ND	ND
Sabinene	0.024 / 0.073	ND	ND
$\alpha$ Phellandrene	0.048 / 0.144	ND	ND
3 Carene	0.028 / 0.085	ND	ND
$\alpha$ Terpinene	0.051 / 0.155	ND	ND
Eucalyptol	0.051 / 0.155	ND	ND
<b>TOTAL</b>		<b>22.102 mg/g</b>	<b>2.2102%</b>

Compound	LOD/LOQ (mg/g) ②	Result (mg/g)	Result (%)
γ Terpinene	0.038 / 0.114	ND	ND
Sabinene Hydrate	0.046 / 0.138	ND	ND
Fenchone	0.06 / 0.181	ND	ND
(-)-Isopulegol	0.026 / 0.08	ND	ND
Camphor	0.08 / 0.242	ND	ND
Isoborneol	0.028 / 0.085	ND	ND
Borneol	0.063 / 0.19	ND	ND
Menthol	0.043 / 0.129	ND	ND
Nerol	0.042 / 0.128	ND	ND
R-(+)-Pulegone	0.016 / 0.047	ND	ND
Geraniol	0.037 / 0.112	ND	ND
Geranyl Acetate	0.025 / 0.076	ND	ND
<b>TOTAL</b>		<b>22.102 mg/g</b>	<b>2.2102%</b>



Pesticide Analysis  **Pass**

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

Category 1 Pesticide Test Results | 11/09/2019 | TESTED

Swipe left on table to see additional columns

Compound	LOD/LOQ (µg/g) ?	Action Limit (µg/g) ?	Result (µg/g)	Result
Filter by				

Category 2 Pesticide Test Results | 11/09/2019 | PASS

Swipe left on table to see additional columns

Compound	LOD/LOQ (µg/g) ?	Action Limit (µg/g) ?	Result (µg/g)	R
Filter by				
Abamectin	0.030 / 0.091	0.1	ND	I
Bifenazate	0.012 / 0.035	0.1	ND	I
Bifenthrin	0.013 / 0.038	3.0	ND	I
Boscalid	0.008 / 0.023	0.1	ND	I
Etoxazole	0.007 / 0.022	0.1	ND	I
Imidacloprid	0.017 / 0.050	5.0	ND	I

Compound	LOD/LOQ (µg/g) <sup>?</sup>	Action Limit (µg/g) <sup>?</sup>	Result (µg/g)	R
Myclobutanil	0.015 / 0.044	0.1	ND	I
Piperonylbutoxide	0.007 / 0.020	3.0	ND	I
Pyrethrins	0.012 / 0.036	0.5	ND	I
Spinosad	0.010 / 0.031	0.1	ND	I
Spiromesifen	0.005 / 0.015	0.1	ND	I
Spirotetramat	0.014 / 0.042	0.1	ND	I

### Learn more

Ingesting pesticides can be dangerous, even at the smallest doses. Our [pesticide analysis \(https://www.sclabs.com/pesticide-testing/\)](https://www.sclabs.com/pesticide-testing/) can detect trace amounts of chemical pesticides in dried flowers and cannabis concentrates.



Mycotoxin Analysis **⊘ Not Tested**



Residual Solvents Analysis **⊘ Not Tested**



Heavy Metals Analysis  **Not Tested**



Microbial Impurities Analysis  **Not Tested**



Foreign Material Analysis  **Not Tested**



Water Activity Analysis  **Not Tested**



Vitamin E Analysis  **Not Tested**

### COA ID: 191107K004-003

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)

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