

SAMPLE NAME: Super Sour Space Candy

Flower, Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR

Business Name:

License Number:

Address:



SAMPLE DETAIL

Batch Number:

Sample ID: 201022X026

Date Collected: 10/22/2020

Date Received: 10/22/2020

Batch Size:

Sample Size: 5.0 grams

Unit Mass:

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.654%

Total CBD: 16.357%

Sum of Cannabinoids: 21.023%

Total Cannabinoids: 18.503%

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: **✓PASS**

Mycotoxins: NT

Residual Solvents: NT

Heavy Metals: **✓PASS**

Microbial Impurities (PCR): NT

Microbial Impurities (Plating): NT

Foreign Material: NT

Water Activity: NT

Vitamin E Acetate: NT

TERPENOID ANALYSIS - SUMMARY

36 TESTED, TOP 3 HIGHLIGHTED

● Myrcene 8.1 mg/g

● Terpinolene 3.0 mg/g

● β Caryophyllene 1.89 mg/g

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)

Jackson W-H *Josh Wurze*
LQC verified by: Jackson Waite-Himmelwrig Approved by: Josh Wurze, President
Date: 10/26/2020 Date: 10/26/2020



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: 0.654%

Total THC (Δ^9 THC+0.877*THCa)

TOTAL CBD: 16.357%

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 18.503%

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

TOTAL CBG: 0.59%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.81%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.092%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 10/26/2020

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDA	0.06 / 0.17	±7.688	182.18	18.218
CBCa	0.1 / 0.4	±0.78	8.9	0.89
THCa	0.04 / 0.12	±0.289	7.00	0.700
CBGa	0.1 / 0.4	±0.39	5.6	0.56
CBD	0.1 / 0.3	±0.21	3.8	0.38
CBDVa	0.02 / 0.06	±0.012	1.05	0.105
CBG	0.2 / 0.5	±0.09	1.0	0.10
Δ^9 THC	0.1 / 0.4	±0.02	0.4	0.04
CBC	0.1 / 0.2	±0.01	0.3	0.03
Δ^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
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
SUM OF CANNABINOIDS			210.23 mg/g	21.023%

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

Not Tested

VISCOSITY TEST RESULT

Not Tested





Terpenoid Analysis

TERPENOID TEST RESULTS - 10/25/2020

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 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.

3 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.

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.1 / 0.2	± 0.35	8.1	0.81
Terpinolene	0.04 / 0.1	± 0.19	3.0	0.30
β Caryophyllene	0.04 / 0.11	± 0.070	1.89	0.189
Ocimene	0.05 / 0.1	± 0.13	1.1	0.11
Limonene	0.04 / 0.12	± 0.054	1.02	0.102
α Pinene	0.04 / 0.13	± 0.032	0.85	0.085
β Pinene	0.1 / 0.2	± 0.01	0.6	0.06
Guaiol	0.04 / 0.13	± 0.021	0.46	0.046
α Bisabolol	0.1 / 0.2	± 0.03	0.4	0.04
Terpineol	0.03 / 0.1	± 0.03	0.3	0.03
Linalool	0.04 / 0.1	± 0.01	0.2	0.02
α Phellandrene	0.1 / 0.2	N/A	<LOQ	<LOQ
Fenchol	0.1 / 0.2	N/A	<LOQ	<LOQ
Valencene	0.02 / 0.06	N/A	<LOQ	<LOQ
Camphene	0.1 / 0.2	N/A	ND	ND
Sabinene	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
(-)-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
R-(+)-Pulegone	0.04 / 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
α Humulene	0.03 / 0.08	N/A	ND	ND
Nerolidol	0.03 / 0.09	N/A	ND	ND
Caryophyllene Oxide	0.1 / 0.2	N/A	ND	ND
Cedrol	0.1 / 0.2	N/A	ND	ND
TOTAL TERPENOIDS			17.92 mg/g	1.792%



 **Pesticide Analysis**

CATEGORY 1 PESTICIDE TEST RESULTS - 10/25/2020  **PASS**

CATEGORY 1 AND 2 PESTICIDES

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

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Aldicarb				NT	
Carbofuran				NT	
Chlordane*				NT	
Chlorfenapyr*				NT	
Chlorpyrifos	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Coumaphos				NT	
Daminozide				NT	
DDVP (Dichlorvos)				NT	
Dimethoate				NT	
Ethoprop(hos)				NT	
Etofenprox				NT	
Fenoxycarb				NT	
Fipronil				NT	
Imazalil				NT	
Methiocarb				NT	
Methyl parathion				NT	
Mevinphos				NT	
Paclobutrazol				NT	
Propoxur				NT	
Spiroxamine				NT	
Thiacloprid				NT	


CATEGORY 2 PESTICIDE TEST RESULTS - 10/25/2020  **PASS**

Abamectin	0.03 / 0.10	0.1	N/A	ND	PASS
Acephate				NT	
Acequinocyl				NT	
Acetamiprid				NT	
Azoxystrobin	0.01 / 0.04	0.1	N/A	ND	PASS
Bifenazate	0.01 / 0.02	0.1	N/A	ND	PASS
Bifenthrin	0.01 / 0.02	3	N/A	ND	PASS
Boscalid	0.02 / 0.06	0.1	N/A	ND	PASS
Captan				NT	
Carbaryl				NT	
Chlorantraniliprole				NT	

Continued on next page



 **Pesticide Analysis** *Continued*

CATEGORY 2 PESTICIDE TEST RESULTS - 10/25/2020 *continued*  **PASS**

CATEGORY 1 AND 2 PESTICIDES

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


COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Clofentezine				NT	
Cyfluthrin				NT	
Cypermethrin	0.1 / 0.3	1	N/A	ND	PASS
Diazinon				NT	
Dimethomorph				NT	
Etoxazole	0.010 / 0.028	0.1	N/A	ND	PASS
Fenhexamid				NT	
Fenpyroximate				NT	
Flonicamid				NT	
Fludioxonil				NT	
Hexythiazox	0.01 / 0.04	0.1	N/A	ND	PASS
Imidacloprid	0.01 / 0.04	5	N/A	ND	PASS
Kresoxim-methyl				NT	
Malathion	0.02 / 0.05	0.5	N/A	ND	PASS
Metalaxyl				NT	
Methomyl				NT	
Myclobutanil	0.03 / 0.1	0.1	N/A	ND	PASS
Naled				NT	
Oxamyl				NT	
Pentachloronitrobenzene*				NT	
Permethrin	0.03 / 0.09	0.5	N/A	ND	PASS
Phosmet				NT	
Piperonylbutoxide	0.003 / 0.009	3	N/A	ND	PASS
Prallethrin				NT	
Propiconazole	0.01 / 0.03	0.1	N/A	ND	PASS
Pyrethrins				NT	
Pyridaben				NT	
Spinetoram				NT	
Spinosad				NT	
Spiromesifen	0.02 / 0.05	0.1	N/A	ND	PASS
Spirotetramat				NT	
Tebuconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Thiamethoxam				NT	
Trifloxystrobin	0.01 / 0.03	0.1	N/A	ND	PASS



 **Heavy Metals Analysis**

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 10/24/2020  **PASS**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Cadmium	0.02 / 0.05	0.2	N/A	<LOQ	PASS
Lead	0.04 / 0.1	0.5	±0.00	0.2	PASS
Arsenic	0.02 / 0.1	0.2	±0.00	0.1	PASS
Mercury	0.002 / 0.01	0.1	N/A	<LOQ	PASS

