SC Labs®

Official Compliance: Colorado Hemp
CERTIFICATE OF ANALYSIS

DATE ISSUED 04/09/2025

SAMPLE DETAILS

SAMPLE NAME: Super Sour Space Candy

Flower, Colorado Hemp/Flower

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: Heal Thyself Gardens
License Number:
Address:

SAMPLE DETAIL

Batch Number:
Sample ID: 250404S020
Date of Sampling: 04/04/2025
Time of Sampling: 4:42 p.m.
Sampler Name:
Sampler Company:

Date Collected: 04/04/2025
Date Received: 04/04/2025
Batch Size:
Sample Size: 9.0 grams
Unit Mass: 9 grams per Unit
Serving Size:

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

CALCULATED USING DRY-WEIGHT

Total THC: 0.64%

Total CBD: 15.51%

Sum of Cannabinoids: 19.98%

Total Cannabinoids: 17.74%

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

Moisture: 11.5%

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 2.0373%

Terpinolene 5.842 mg/g | Myrcene 3.242 mg/g | β-Caryophyllene 2.886 mg/g

SAFETY ANALYSIS - SUMMARY

Pesticides: PASS
Mycotoxins: PASS
Heavy Metals: DETECTED
Microbiology (PCR): PASS
Microbiology (Plating): PASS

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: 6 CCR 1010-21 Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations; where applicable

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), µg/g = ppm, µg/kg = ppb, too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

LQC verified by: Maria Garcia
Job Title: Senior Laboratory Analyst
Date: 04/09/2025

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 04/09/2025

Cannabinoid Analysis

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

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

TOTAL THC: 0.64%
Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 15.51%
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 17.74%
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: 0.69%
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.026%
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.67%
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.128%
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 04/06/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDa	*0.06 / 0.22*	*±5.368*	163.15	16.315
CBD	*0.1 / 0.3*	*±0.51*	12.0	1.20
CBCa	*0.1 / 0.4*	*±0.46*	6.7	0.67
CBGa	*0.1 / 0.4*	*±0.33*	6.1	0.61
THCa	*0.04 / 0.24*	*±0.175*	5.45	0.545
Δ^9-THC	*0.1 / 0.4*	*±0.05*	1.6	0.16
CBG	*0.2 / 0.5*	*±0.11*	1.6	0.16
CBDVa	*0.02 / 0.22*	*±0.013*	1.46	0.146
CBC	*0.1 / 0.2*	*±0.03*	0.8	0.08
CBL	*0.1 / 0.4*	*±0.04*	0.7	0.07
THCV	*0.07 / 0.21*	*±0.007*	0.26	0.026
Δ^8-THC	*0.05 / 0.50*	*N/A*	ND	ND
THCVa	*0.05 / 0.17*	*N/A*	ND	ND
CBDV	*0.1 / 0.3*	*N/A*	ND	ND
CBN	*0.07 / 0.20*	*N/A*	ND	ND
SUM OF CANNABINOIDS			199.8 mg/g	19.98%

Unit Mass: 9 grams per Unit

Δ^9-THC per Unit	14.4 mg/unit
Total THC per Unit	57.6 mg/unit
CBD per Unit	108.0 mg/unit
Total CBD per Unit	1395.9 mg/unit
Sum of Cannabinoids per Unit	1798.2 mg/unit
Total Cannabinoids per Unit	1596.6 mg/unit

MOISTURE TEST RESULT

11.5%

Tested 04/05/2025

Method: QSP 1224 - Loss on Drying (Moisture)

Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

1 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.

2 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.

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.

TERPENOID TEST RESULTS - 04/07/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Terpinolene	*0.008 / 0.036*	*±0.0882*	**5.842**	**0.5842**
Myrcene	*0.007 / 0.025*	*±0.1148*	**3.242**	**0.3242**
β-Caryophyllene	*0.004 / 0.013*	*±0.1553*	**2.886**	**0.2886**
α-Humulene	*0.009 / 0.180*	*±0.0686*	**1.275**	**0.1275**
Guaiol	*0.011 / 0.035*	*±0.0656*	**1.206**	**0.1206**
α-Pinene	*0.005 / 0.036*	*±0.0403*	**1.127**	**0.1127**
Limonene	*0.005 / 0.016*	*±0.0308*	**0.945**	**0.0945**
β-Pinene	*0.004 / 0.015*	*±0.0241*	**0.745**	**0.0745**
β-Ocimene	*0.005 / 0.025*	*±0.0267*	**0.679**	**0.0679**
α-Bisabolol	*0.008 / 0.026*	*±0.0238*	**0.554**	**0.0554**
α-Phellandrene	*0.006 / 0.036*	*±0.0060*	**0.267**	**0.0267**
Terpineol	*0.008 / 0.025*	*±0.0136*	**0.222**	**0.0222**
Δ^3-Carene	*0.005 / 0.018*	*±0.0058*	**0.206**	**0.0206**
α-Terpinene	*0.006 / 0.019*	*±0.0042*	**0.194**	**0.0194**
Linalool	*0.009 / 0.036*	*±0.0057*	**0.146**	**0.0146**
γ-Terpinene	*0.005 / 0.018*	*±0.0034*	**0.141**	**0.0141**
Nerolidol	*0.006 / 0.021*	*±0.0100*	**0.127**	**0.0127**
Caryophyllene Oxide	*0.011 / 0.038*	*±0.0071*	**0.119**	**0.0119**
Fenchol	*0.009 / 0.036*	*±0.0038*	**0.104**	**0.0104**
Eucalyptol	*0.005 / 0.018*	*±0.0031*	**0.078**	**0.0078**
trans-β-Farnesene	*0.008 / 0.028*	*±0.0044*	**0.078**	**0.0078**
Sabinene Hydrate	*0.007 / 0.036*	*±0.0020*	**0.055**	**0.0055**
Borneol	*0.004 / 0.014*	*±0.0020*	**0.043**	**0.0043**
Sabinene	*0.004 / 0.014*	*±0.0011*	**0.035**	**0.0035**
Camphene	*0.004 / 0.014*	*±0.0010*	**0.032**	**0.0032**
p-Cymene	*0.005 / 0.015*	*±0.0008*	**0.025**	**0.0025**
Citronellol	*0.003 / 0.036*	*N/A*	**<LOQ**	**<LOQ**
α-Cedrene	*0.005 / 0.017*	*N/A*	**ND**	**ND**
Camphor	*0.005 / 0.036*	*N/A*	**ND**	**ND**
Cedrol	*0.009 / 0.032*	*N/A*	**ND**	**ND**
Fenchone	*0.008 / 0.036*	*N/A*	**ND**	**ND**
Geraniol	*0.002 / 0.036*	*N/A*	**ND**	**ND**
Geranyl Acetate	*0.004 / 0.036*	*N/A*	**ND**	**ND**
Isoborneol	*0.003 / 0.011*	*N/A*	**ND**	**ND**
Isopulegol	*0.004 / 0.036*	*N/A*	**ND**	**ND**
Menthol	*0.008 / 0.025*	*N/A*	**ND**	**ND**
Nerol	*0.003 / 0.036*	*N/A*	**ND**	**ND**
Pulegone	*0.003 / 0.010*	*N/A*	**ND**	**ND**
Valencene	*0.010 / 0.180*	*N/A*	**ND**	**ND**
TOTAL TERPENOIDS			**20.373 mg/g**	**2.0373%**

Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). ‡Analytes part of our California Select Panel.

*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

PESTICIDE TEST RESULTS - 04/09/2025 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	0.032 / 0.097	0.1	N/A	ND	PASS
Acephate	0.006 / 0.018	0.02	N/A	ND	PASS
Acequinocyl	0.009 / 0.027	0.03	N/A	ND	PASS
Acetamiprid	0.016 / 0.049	0.1	N/A	ND	PASS
Aldicarb	0.030 / 0.090	1	N/A	ND	PASS
Allethrin	0.030 / 0.092	0.2	N/A	ND	PASS
Atrazine	0.006 / 0.019	0.025	N/A	ND	PASS
Azadirachtin	0.082 / 0.248	1	N/A	ND	PASS
Azoxystrobin	0.003 / 0.009	0.02	N/A	ND	PASS
Benzovindiflupyr	0.003 / 0.009	0.02	N/A	ND	PASS
Bifenazate	0.003 / 0.009	0.02	N/A	ND	PASS
Bifenthrin	0.021 / 0.064	1	N/A	ND	PASS
Boscalid	0.003 / 0.009	0.02	N/A	ND	PASS
Buprofezin‡	0.006 / 0.019	0.02	N/A	ND	PASS
Carbaryl	0.007 / 0.020	0.05	N/A	ND	PASS
Carbofuran	0.003 / 0.008	0.02	N/A	ND	PASS
Chlorantraniliprole	0.006 / 0.018	0.02	N/A	ND	PASS
Chlorfenapyr*	0.005 / 0.015	0.05	N/A	ND	PASS
Chlorpyrifos	0.013 / 0.039	0.04	N/A	ND	PASS
Clofentezine	0.003 / 0.009	0.02	N/A	ND	PASS
Clothianidin	0.008 / 0.025	0.05	N/A	ND	PASS
Coumaphos	0.003 / 0.010	0.02	N/A	ND	PASS
Cyantraniliprole	0.003 / 0.010	0.02	N/A	ND	PASS
Cyfluthrin	0.052 / 0.159	0.2	N/A	ND	PASS
Cypermethrin	0.051 / 0.153	0.3	N/A	ND	PASS
Cyprodinil‡	0.003 / 0.008	0.25	N/A	ND	PASS
Daminozide	0.026 / 0.077	0.1	N/A	ND	PASS
Deltamethrin	0.059 / 0.180	0.5	N/A	ND	PASS
Diazinon	0.006 / 0.017	0.02	N/A	ND	PASS
Dichlorvos (DDVP)	0.012 / 0.038	0.1	N/A	ND	PASS
Dimethoate	0.003 / 0.009	0.02	N/A	ND	PASS
Dimethomorph	0.016 / 0.050	0.05	N/A	ND	PASS
Dinotefuran	0.010 / 0.030	0.1	N/A	ND	PASS
Diuron	0.013 / 0.040	0.125	N/A	ND	PASS
Dodemorph	0.012 / 0.035	0.05	N/A	ND	PASS
Endosulfan sulfate	0.016 / 0.048	0.05	N/A	ND	PASS
Endosulfan-α*	0.004 / 0.014	0.2	N/A	ND	PASS
Endosulfan-β*	0.006 / 0.019	0.05	N/A	ND	PASS
Ethoprophos	0.003 / 0.009	0.02	N/A	ND	PASS
Etofenprox	0.014 / 0.042	0.05	N/A	ND	PASS
Etoxazole	0.007 / 0.020	0.02	N/A	ND	PASS

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 04/09/2025 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Etridiazole*	0.002 / 0.005	0.03	N/A	ND	PASS
Fenhexamid	0.003 / 0.008	0.125	N/A	ND	PASS
Fenoxycarb	0.003 / 0.010	0.02	N/A	ND	PASS
Fenpyroximate	0.007 / 0.020	0.02	N/A	ND	PASS
Fensulfothion	0.003 / 0.010	0.02	N/A	ND	PASS
Fenthion	0.003 / 0.010	0.02	N/A	ND	PASS
Fenvalerate‡	0.033 / 0.099	0.1	N/A	ND	PASS
Fipronil	0.003 / 0.010	0.06	N/A	ND	PASS
Flonicamid	0.007 / 0.022	0.05	N/A	ND	PASS
Fludioxonil	0.003 / 0.010	0.02	N/A	ND	PASS
Fluopyram‡	0.003 / 0.009	0.02	N/A	ND	PASS
Hexythiazox	0.003 / 0.010	0.01	N/A	ND	PASS
Imazalil	0.003 / 0.009	0.05	N/A	ND	PASS
Imidacloprid	0.003 / 0.010	0.02	N/A	ND	PASS
Iprodione	0.077 / 0.233	1	N/A	ND	PASS
Kinoprene	0.077 / 0.233	0.5	N/A	ND	PASS
Kresoxim-methyl	0.006 / 0.019	0.02	N/A	ND	PASS
λ-Cyhalothrin	0.068 / 0.206	0.25	N/A	ND	PASS
Malathion	0.003 / 0.009	0.02	N/A	ND	PASS
Metalaxyl	0.003 / 0.010	0.02	N/A	ND	PASS
Methiocarb	0.003 / 0.008	0.02	N/A	ND	PASS
Methomyl	0.008 / 0.025	0.05	N/A	ND	PASS
Methoprene‡	0.172 / 0.521	2	N/A	ND	PASS
Mevinphos	0.008 / 0.024	0.05	N/A	ND	PASS
MGK-264	0.015 / 0.047	0.05	N/A	ND	PASS
Myclobutanil	0.003 / 0.009	0.02	N/A	ND	PASS
Naled	0.021 / 0.064	0.1	N/A	ND	PASS
Novaluron	0.002 / 0.005	0.05	N/A	ND	PASS
Oxamyl	0.017 / 0.051	3	N/A	ND	PASS
Paclobutrazol	0.003 / 0.010	0.02	N/A	ND	PASS
Parathion-methyl	0.016 / 0.050	0.05	N/A	ND	PASS
Pentachloronitro-benzene (Quintozene)*	0.004 / 0.012	0.02	N/A	ND	PASS
Permethrin	0.056 / 0.168	0.5	N/A	ND	PASS
Phenothrin	0.016 / 0.047	0.05	N/A	ND	PASS
Phosmet	0.007 / 0.020	0.02	N/A	ND	PASS
Piperonyl Butoxide	0.010 / 0.029	0.2	N/A	ND	PASS
Pirimicarb	0.003 / 0.009	0.02	N/A	ND	PASS
Prallethrin	0.015 / 0.046	0.05	N/A	ND	PASS
Propiconazole	0.027 / 0.080	0.1	N/A	ND	PASS
Propoxur	0.003 / 0.008	0.02	N/A	ND	PASS
Pyraclostrobin	0.003 / 0.010	0.02	N/A	ND	PASS

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 04/09/2025 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Pyrethrins	0.016 / 0.049	0.05	N/A	ND	PASS
Pyridaben	0.005 / 0.017	0.05	N/A	ND	PASS
Pyriproxyfen	0.003 / 0.009	0.01	N/A	ND	PASS
Resmethrin	0.013 / 0.039	0.1	N/A	ND	PASS
Spinetoram	0.003 / 0.010	0.02	N/A	ND	PASS
Spinosad	0.003 / 0.010	0.1	N/A	ND	PASS
Spirodiclofen	0.031 / 0.093	0.25	N/A	ND	PASS
Spiromesifen	0.016 / 0.050	3	N/A	ND	PASS
Spirotetramat	0.003 / 0.010	0.02	N/A	ND	PASS
Spiroxamine	0.020 / 0.062	0.1	N/A	ND	PASS
Tebuconazole	0.003 / 0.010	0.05	N/A	ND	PASS
Tebufenozide	0.003 / 0.008	0.02	N/A	ND	PASS
Teflubenzuron	0.007 / 0.022	0.05	N/A	ND	PASS
Tetrachlorvinphos	0.003 / 0.008	0.02	N/A	ND	PASS
Tetramethrin	0.021 / 0.063	0.1	N/A	ND	PASS
Thiabendazole	0.006 / 0.020	0.02	N/A	ND	PASS
Thiacloprid	0.003 / 0.009	0.02	N/A	ND	PASS
Thiamethoxam	0.003 / 0.010	0.02	N/A	ND	PASS
Thiophanate-methyl	0.013 / 0.040	0.05	N/A	ND	PASS
Trifloxystrobin	0.003 / 0.009	0.02	N/A	ND	PASS

Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - 04/09/2025 PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	1.6 / 5.0	5	N/A	ND	PASS
Aflatoxin B2	1.4 / 4.1		N/A	ND	
Aflatoxin G1	1.6 / 4.9		N/A	ND	
Aflatoxin G2	1.6 / 5.0		N/A	ND	
Ochratoxin A	1.6 / 5.0	5	N/A	ND	PASS
Total Aflatoxin		20		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 - 04/09/2025 **DETECTED**

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Arsenic	*0.02 / 0.1*	*N/A*	<LOQ
Cadmium	*0.02 / 0.05*	*N/A*	ND
Lead	*0.04 / 0.1*	*N/A*	ND
Mercury	*0.002 / 0.01*	*±0.000*	0.01

Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 04/09/2025 PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Salmonella spp.	*Not Detected in 1g*	ND	PASS
Shiga toxin-producing *Escherichia coli*	*Not Detected in 1g*	ND	PASS

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

MICROBIOLOGY TEST RESULTS (PLATING) - 04/09/2025 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Coliforms	*100*	ND	PASS
Total Aerobic Bacteria	*10000*	2000.0	PASS
Total Yeast and Mold	*1000*	600.0	PASS

NOTES
Sample unit mass provided by client.