



Regulatory Compliance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 10/23/2023 | OVERALL BATCH RESULT: PASS

SAMPLE NAME: Element

Flower, Inhalable

CULTIVATOR / MANUFACTURER

Business Name: Sol Spirit Farm

LLC

License Number: CCL19-0005199

Address: 6301 South Fork Road

Unincorporated CA 95563

DISTRIBUTOR

Business Name: HGDCO, INC.

License Number: C11-0000057-LIC

Address: 1551 Nursery WAY, UNIT A, MCKINLEYVILLE, CA 95519

SAMPLE DETAIL

Batch Number: SS-ELE-24

Sample ID: 231019Q002

Source Metrc UID:
1A4060300017959000000278

Date Collected: 10/19/2023

Date Received: 10/20/2023

Batch Size: 6587.0 grams

Sample Size: 31.3 grams

Unit Mass:

Serving Size:

Sampling Method: QSP 1265 - Sampling of Cannabis and Product Batches



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

CALCULATED USING DRY-WEIGHT

Sum of Cannabinoids: 30.01%

Sum of Cannabinoids = $\Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDA} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVA} + \text{CBC} + \text{CBa} + \text{CBDV} + \text{CBDA} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$

Total Cannabinoids: 26.45%

Total Cannabinoids = $(\Delta^9\text{-THC} + 0.877\text{*THCa} + \Delta^8\text{-THC}) + (\text{CBD} + 0.877\text{*CBDA}) + (\text{CBG} + 0.877\text{*CBGa}) + (\text{THCV} + 0.877\text{*THCVA}) + (\text{CBC} + 0.877\text{*CBa}) + (\text{CBDV} + 0.877\text{*CBDA}) + \text{CBL} + \text{CBN}$

Total THC: 25.26%

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total CBD: 0.076%

Total THC = $\Delta^9\text{-THC} + (\text{THCa} (0.877)) + \Delta^8\text{-THC}$

Total CBD = CBD + (CBDA (0.877))

Moisture: 14.6%

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 3.4912%



● Myrcene 14.994 mg/g

● β -Caryophyllene 8.816 mg/g

● α -Humulene 3.731 mg/g

SAFETY ANALYSIS - SUMMARY

Pesticides: PASS

Mycotoxins: PASS

Heavy Metals: PASS

Microbiology: PASS

Foreign Material: PASS

Water Activity: 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: California Code of Regulations Title 4 Division 19. Department of Cannabis Control 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)

All LOQ samples were performed and met the prescribed acceptance criteria in 4 CCR section 15730, as attested by:
Maria Garcia
Job Title: Senior Laboratory Analyst
Date: 10/23/2023

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 10/23/2023


 ELEMENT | DATE ISSUED 10/23/2023 | OVERALL BATCH RESULT: PASS

CANNABINOID TEST RESULTS - 10/21/2023

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 CANNABINOID: **26.45%**

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

TOTAL THC: **25.26%**

Total THC (Δ^9 -THC+0.877*THCa+ Δ^8 -THC)

TOTAL CBD: **0.076%**

Total CBD (CBD+0.877*CBDA)

TOTAL CBG: **0.74%**

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: **0.146%**

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: **0.23%**

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: **ND**

Total CBDV (CBDV+0.877*CBDAv)

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±8.892	277.00	27.700
Δ^9 -THC	0.1 / 0.4	±0.30	9.7	0.97
CBGa	0.1 / 0.4	±0.40	7.4	0.74
CBCa	0.1 / 0.4	±0.18	2.6	0.26
THCVa	0.05 / 0.17	±0.039	1.67	0.167
CBG	0.2 / 0.5	±0.06	0.9	0.09
CBDa	0.06 / 0.22	±0.029	0.87	0.087
Δ^8 -THC	0.05 / 0.50	N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
CBD	0.1 / 0.3	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBDVa	0.02 / 0.22	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 CANNABINOID		300.1 mg/g	30.01%	

MOISTURE TEST RESULT

14.6%

Tested 10/20/2023

Method: QSP 1224 - Loss on Drying (Moisture)

TERPENOID TEST RESULTS - 10/21/2023

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID). **Method:** QSP 1192 - Analysis of Terpenoids by GC-FID

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.007 / 0.025	±0.5308	14.994	1.4994
β -Caryophyllene	0.004 / 0.013	±0.4743	8.816	0.8816
α -Humulene	0.009 / 0.031	±0.2007	3.731	0.3731
Limonene	0.005 / 0.016	±0.0950	2.913	0.2913
Linalool	0.009 / 0.030	±0.0602	1.532	0.1532
α -Bisabolol	0.008 / 0.026	±0.0403	0.938	0.0938
β -Pinene	0.004 / 0.015	±0.0146	0.451	0.0451

 TERPENOID TEST RESULTS - 10/21/2023 *continued*

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Terpineol	0.008 / 0.025	±0.0169	0.276	0.0276
Nerolidol	0.006 / 0.020	±0.0199	0.252	0.0252
Fenchol	0.009 / 0.029	±0.0073	0.198	0.0198
α -Pinene	0.005 / 0.015	±0.0067	0.186	0.0186
Caryophyllene Oxide	0.011 / 0.038	±0.0085	0.143	0.0143
trans- β -Farnesene	0.008 / 0.028	±0.0074	0.129	0.0129
Borneol	0.004 / 0.014	±0.0029	0.061	0.0061
Valencene	0.010 / 0.033	±0.0029	0.057	0.0057
Camphene	0.004 / 0.014	±0.0018	0.056	0.0056
Terpinolene	0.008 / 0.027	±0.0007	0.048	0.0048
Fenchone	0.008 / 0.026	±0.0017	0.045	0.0045
Eucalyptol	0.005 / 0.018	±0.0012	0.031	0.0031
Geraniol	0.002 / 0.007	±0.0015	0.029	0.0029
Citronellol	0.003 / 0.010	±0.0004	0.015	0.0015
Nerol	0.003 / 0.011	±0.0004	0.011	0.0011
Sabinene	0.004 / 0.014	N/A	<LOQ	<LOQ
β -Ocimene	0.005 / 0.018	N/A	<LOQ	<LOQ
γ -Terpinene	0.005 / 0.018	N/A	<LOQ	<LOQ
Sabinene Hydrate	0.007 / 0.022	N/A	<LOQ	<LOQ
α -Phellandrene	0.006 / 0.019	N/A	ND	ND
Δ^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
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
Pulegone	0.003 / 0.010	N/A	ND	ND
Geranyl Acetate	0.004 / 0.012	N/A	ND	ND
α -Cedrene	0.005 / 0.017	N/A	ND	ND
Guaiol	0.011 / 0.035	N/A	ND	ND
Cedrol	0.009 / 0.032	N/A	ND	ND
TOTAL TERPENOID		34.912 mg/g	3.4912%	


 ELEMENT | DATE ISSUED 10/23/2023 | OVERALL BATCH RESULT: ✓ PASS
CATEGORY 1 PESTICIDE TEST RESULTS - 10/23/2023 ✓ PASS

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 ($\mu\text{g/g}$)	ACTION LIMIT ($\mu\text{g/g}$)	MEASUREMENT UNCERTAINTY ($\mu\text{g/g}$)	RESULT ($\mu\text{g/g}$)	RESULT
Aldicarb	0.03 / 0.08	\geq LOD	N/A	ND	PASS
Carbofuran	0.02 / 0.05	\geq LOD	N/A	ND	PASS
Chlordane*	0.03 / 0.08	\geq LOD	N/A	ND	PASS
Chlorfenapyr*	0.03 / 0.10	\geq LOD	N/A	ND	PASS
Chlorpyrifos	0.02 / 0.06	\geq LOD	N/A	ND	PASS
Coumaphos	0.02 / 0.07	\geq LOD	N/A	ND	PASS
Daminozide	0.02 / 0.07	\geq LOD	N/A	ND	PASS
Dichlorvos (DDVP)	0.03 / 0.09	\geq LOD	N/A	ND	PASS
Dimethoate	0.03 / 0.08	\geq LOD	N/A	ND	PASS
Ethoprophos	0.03 / 0.10	\geq LOD	N/A	ND	PASS
Etofenprox	0.02 / 0.06	\geq LOD	N/A	ND	PASS
Fenoxy carb	0.03 / 0.08	\geq LOD	N/A	ND	PASS
Fipronil	0.03 / 0.08	\geq LOD	N/A	ND	PASS
Imazalil	0.02 / 0.06	\geq LOD	N/A	ND	PASS
Methiocarb	0.02 / 0.07	\geq LOD	N/A	ND	PASS
Parathion-methyl	0.03 / 0.10	\geq LOD	N/A	ND	PASS
Mevinphos	0.03 / 0.09	\geq LOD	N/A	ND	PASS
Paclobutrazol	0.02 / 0.05	\geq LOD	N/A	ND	PASS
Propoxur	0.03 / 0.09	\geq LOD	N/A	ND	PASS
Spiroxamine	0.03 / 0.08	\geq LOD	N/A	ND	PASS
Thiacloprid	0.03 / 0.10	\geq LOD	N/A	ND	PASS

CATEGORY 2 PESTICIDE TEST RESULTS - 10/23/2023 ✓ PASS

COMPOUND	LOD/LOQ ($\mu\text{g/g}$)	ACTION LIMIT ($\mu\text{g/g}$)	MEASUREMENT UNCERTAINTY ($\mu\text{g/g}$)	RESULT ($\mu\text{g/g}$)	RESULT
Abamectin	0.03 / 0.10	0.1	N/A	ND	PASS
Acephate	0.02 / 0.07	0.1	N/A	ND	PASS
Acequinocyl	0.02 / 0.07	0.1	N/A	ND	PASS
Acetamiprid	0.02 / 0.05	0.1	N/A	ND	PASS
Azoxystrobin	0.02 / 0.07	0.1	N/A	ND	PASS
Bifenazate	0.01 / 0.04	0.1	N/A	ND	PASS
Bifenthrin	0.02 / 0.05	3	N/A	ND	PASS
Boscalid	0.03 / 0.09	0.1	N/A	ND	PASS
Captan	0.19 / 0.57	0.7	N/A	ND	PASS
Carbaryl	0.02 / 0.06	0.5	N/A	ND	PASS
Chlorantraniliprole	0.04 / 0.12	10	N/A	ND	PASS
Clofentezine	0.03 / 0.09	0.1	N/A	ND	PASS

CATEGORY 2 PESTICIDE TEST RESULTS - 10/23/2023 *continued*

COMPOUND	LOD/LOQ ($\mu\text{g/g}$)	ACTION LIMIT ($\mu\text{g/g}$)	MEASUREMENT UNCERTAINTY ($\mu\text{g/g}$)	RESULT ($\mu\text{g/g}$)	RESULT
Cyfluthrin	0.12 / 0.38	2	N/A	ND	PASS
Cypermethrin	0.11 / 0.32	1	N/A	ND	PASS
Diazinon	0.02 / 0.05	0.1	N/A	ND	PASS
Dimethomorph	0.03 / 0.09	2	N/A	ND	PASS
Etoxazole	0.02 / 0.06	0.1	N/A	ND	PASS
Fenhexamid	0.03 / 0.09	0.1	N/A	ND	PASS
Fenpyroximate	0.02 / 0.06	0.1	N/A	ND	PASS
Flonicamid	0.03 / 0.10	0.1	N/A	ND	PASS
Fludioxonil	0.03 / 0.10	0.1	N/A	ND	PASS
Hexythiazox	0.02 / 0.07	0.1	N/A	ND	PASS
Imidacloprid	0.04 / 0.11	5	N/A	ND	PASS
Kresoxim-methyl	0.02 / 0.07	0.1	N/A	ND	PASS
Malathion	0.03 / 0.09	0.5	N/A	ND	PASS
Metalaxyl	0.02 / 0.07	2	N/A	ND	PASS
Methomyl	0.03 / 0.10	1	N/A	ND	PASS
Myclobutanil	0.03 / 0.09	0.1	N/A	ND	PASS
Naled	0.02 / 0.07	0.1	N/A	ND	PASS
Oxamyl	0.04 / 0.11	0.5	N/A	ND	PASS
Pentachloronitrobenzene*	0.03 / 0.09	0.1	N/A	ND	PASS
Permethrin	0.04 / 0.12	0.5	N/A	ND	PASS
Phosmet	0.03 / 0.10	0.1	N/A	ND	PASS
Piperonyl Butoxide	0.02 / 0.07	3	N/A	ND	PASS
Prallethrin	0.03 / 0.08	0.1	N/A	ND	PASS
Propiconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Pyrethrins	0.04 / 0.12	0.5	N/A	ND	PASS
Pyridaben	0.02 / 0.07	0.1	N/A	ND	PASS
Spinetoram	0.02 / 0.07	0.1	N/A	ND	PASS
Spinosad	0.02 / 0.07	0.1	N/A	ND	PASS
Spiromesifen	0.02 / 0.05	0.1	N/A	ND	PASS
Spirotetramat	0.02 / 0.06	0.1	N/A	ND	PASS
Tebuconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Thiamethoxam	0.03 / 0.10	5	N/A	ND	PASS
Trifloxystrobin	0.03 / 0.08	0.1	N/A	ND	PASS


 ELEMENT | DATE ISSUED 10/23/2023 | OVERALL BATCH RESULT: ✓ PASS
MYCOTOXIN TEST RESULTS - 10/23/2023 ✓ PASS

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS). **Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

COMPOUND	LOD/LOQ ($\mu\text{g}/\text{kg}$)	ACTION LIMIT ($\mu\text{g}/\text{kg}$)	MEASUREMENT UNCERTAINTY ($\mu\text{g}/\text{kg}$)	RESULT ($\mu\text{g}/\text{kg}$)	RESULT
Aflatoxin B1	2.0 / 6.0		N/A	ND	
Aflatoxin B2	1.8 / 5.6		N/A	ND	
Aflatoxin G1	1.0 / 3.1		N/A	ND	
Aflatoxin G2	1.2 / 3.5		N/A	ND	
Total Aflatoxin		20		ND	PASS
Ochratoxin A	6.3 / 19.2	20	N/A	ND	PASS

HEAVY METALS TEST RESULTS - 10/21/2023 ✓ PASS

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS). **Method:** QSP 1160 - Analysis of Heavy Metals by ICP-MS

COMPOUND	LOD/LOQ ($\mu\text{g}/\text{g}$)	ACTION LIMIT ($\mu\text{g}/\text{g}$)	MEASUREMENT UNCERTAINTY ($\mu\text{g}/\text{g}$)	RESULT ($\mu\text{g}/\text{g}$)	RESULT
Arsenic	0.02 / 0.1	0.2	N/A	ND	PASS
Cadmium	0.02 / 0.05	0.2	N/A	ND	PASS
Lead	0.04 / 0.1	0.5	N/A	ND	PASS
Mercury	0.002 / 0.01	0.1	N/A	<LOQ	PASS

MICROBIOLOGY TEST RESULTS - 10/23/2023 ✓ PASS

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants. **Method:** QSP 1221 - Analysis of Microbiological Contaminants

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing <i>Escherichia coli</i>	Not Detected in 1g	ND	PASS
<i>Salmonella</i> spp.	Not Detected in 1g	ND	PASS
<i>Aspergillus fumigatus</i>	Not Detected in 1g	ND	PASS
<i>Aspergillus flavus</i>	Not Detected in 1g	ND	PASS
<i>Aspergillus niger</i>	Not Detected in 1g	ND	PASS
<i>Aspergillus terreus</i>	Not Detected in 1g	ND	PASS

FOREIGN MATERIAL TEST RESULTS - 10/21/2023 ✓ PASS

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta. **Method:** QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

COMPOUND	ACTION LIMIT	RESULT
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	PASS
Total Sample Area Covered by Mold	>25%	PASS
Total Sample Area Covered by an Imbedded Foreign Material	>25%	PASS
Insect Fragment Count	> 1 per 3 grams	PASS
Hair Count	> 1 per 3 grams	PASS
Mammalian Excreta Count	> 1 per 3 grams	PASS

WATER ACTIVITY TEST RESULTS - 10/20/2023 ✓ PASS

Method: QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

COMPOUND	LOD/LOQ (Aw)	ACTION LIMIT (Aw)	MEASUREMENT UNCERTAINTY (Aw)	RESULT (Aw)	RESULT
Water Activity	0.030 / 0.250	0.65	± 0.0037	0.537	PASS