

### SAMPLE NAME: Sour G - Full Panel

Flower, Inhalable

### CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

### DISTRIBUTOR

Business Name:

License Number:

Address:



### SAMPLE DETAIL

Batch Number:

Sample ID: 201005R006

Date Collected: 10/05/2020

Date Received: 10/05/2020

Batch Size:

Sample Size: 1.0 Gram(s)

Unit Mass:

Serving Size:



Scan QR code to verify authenticity of results.

### CANNABINOID ANALYSIS - SUMMARY

Total THC: **0.1%**

Total CBD: **Not Detected**

Sum of Cannabinoids: **14.696%**

Total Cannabinoids: **12.89%**

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

35 TESTED, TOP 3 HIGHLIGHTED

● Guaiol 1.51 mg/g

●  $\alpha$  Bisabolol 0.7 mg/g

● Myrcene 0.6 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)

LQC verified by: *Reza Naemeh*  
Date: 10/07/2020

Approved by: *Josh Wurzer*, President  
Date: 10/07/2020



## 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: 0.1%**

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

**TOTAL CBD: Not Detected**

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

**TOTAL CANNABINOIDS: 12.89%**

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

**TOTAL CBG: 12.44%**

Total CBG ( $\text{CBG} + 0.877 \cdot \text{CBGa}$ )

**TOTAL THCV: <LOQ**

Total THCV ( $\text{THCV} + 0.877 \cdot \text{THCVa}$ )

**TOTAL CBC: 0.35%**

Total CBC ( $\text{CBC} + 0.877 \cdot \text{CBCa}$ )

**TOTAL CBDV: ND**

Total CBDV ( $\text{CBDV} + 0.877 \cdot \text{CBDVa}$ )

CANNABINOID TEST RESULTS - 10/07/2020

| COMPOUND                   | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)      | RESULT (%)     |
|----------------------------|----------------|--------------------------------|--------------------|----------------|
| CBGa                       | 0.1 / 0.4      | $\pm 9.75$                     | 140.9              | 14.09          |
| CBCa                       | 0.1 / 0.4      | $\pm 0.35$                     | 4.0                | 0.40           |
| THCa                       | 0.04 / 0.12    | $\pm 0.052$                    | 1.26               | 0.126          |
| CBG                        | 0.2 / 0.5      | $\pm 0.07$                     | 0.8                | 0.08           |
| THCVa                      | 0.05 / 0.15    | N/A                            | <LOQ               | <LOQ           |
| $\Delta^9\text{THC}$       | 0.1 / 0.4      | N/A                            | ND                 | ND             |
| $\Delta^8\text{THC}$       | 0.05 / 0.15    | N/A                            | ND                 | ND             |
| THCV                       | 0.07 / 0.21    | N/A                            | ND                 | ND             |
| CBD                        | 0.1 / 0.3      | N/A                            | ND                 | ND             |
| CBDa                       | 0.06 / 0.17    | N/A                            | ND                 | ND             |
| CBDV                       | 0.1 / 0.3      | N/A                            | ND                 | ND             |
| CBDVa                      | 0.02 / 0.06    | 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             |
| <b>SUM OF CANNABINOIDS</b> |                |                                | <b>146.96 mg/g</b> | <b>14.696%</b> |

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

Not Tested

VISCOSITY TEST RESULT

Not Tested





## Terpenoid Analysis

### TERPENOID TEST RESULTS - 10/07/2020

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:** OSP - (1192) Analysis of Terpenoids by GC-FID

**1 Guaiol**  
 A sesquiterpene alcohol with a fragrance that can be described as floral, piney, herbal and woody. Found in guaiacum, cypress pine, ginseng, melaleuca, goatweed, incense grass...etc.

**2 α Bisabolol**  
 A sesquiterpene alcohol with a fragrance that can be described as floral, peppery, sweet and clean. Found in chamomile, figwort, yarrow, skullcaps, lavender, ironwort, germander...etc.

**3 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.

| COMPOUND                | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)    | RESULT (%)    |
|-------------------------|----------------|--------------------------------|------------------|---------------|
| Guaiol                  | 0.04 / 0.13    | ±0.068                         | 1.51             | 0.151         |
| α Bisabolol             | 0.1 / 0.2      | ±0.05                          | 0.7              | 0.07          |
| Myrcene                 | 0.1 / 0.2      | ±0.03                          | 0.6              | 0.06          |
| Limonene                | 0.04 / 0.12    | ±0.030                         | 0.57             | 0.057         |
| β Caryophyllene         | 0.04 / 0.11    | ±0.020                         | 0.55             | 0.055         |
| Terpineol               | 0.03 / 0.1     | N/A                            | <LOQ             | <LOQ          |
| α Cedrene               | 0.03 / 0.10    | N/A                            | <LOQ             | <LOQ          |
| Nerolidol               | 0.03 / 0.09    | N/A                            | <LOQ             | <LOQ          |
| α Pinene                | 0.04 / 0.13    | N/A                            | ND               | ND            |
| Camphene                | 0.1 / 0.2      | N/A                            | ND               | ND            |
| Sabinene                | 0.1 / 0.2      | N/A                            | ND               | ND            |
| β Pinene                | 0.1 / 0.2      | N/A                            | ND               | ND            |
| α Phellandrene          | 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            |
| Ocimene                 | 0.05 / 0.1     | 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            |
| Terpinolene             | 0.04 / 0.1     | N/A                            | ND               | ND            |
| Linalool                | 0.04 / 0.1     | N/A                            | ND               | ND            |
| Fenchol                 | 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 Humulene              | 0.03 / 0.08    | N/A                            | ND               | ND            |
| Valencene               | 0.02 / 0.06    | N/A                            | ND               | ND            |
| Caryophyllene Oxide     | 0.1 / 0.2      | N/A                            | ND               | ND            |
| Cedrol                  | 0.1 / 0.2      | N/A                            | ND               | ND            |
| <b>TOTAL TERPENOIDS</b> |                |                                | <b>3.93 mg/g</b> | <b>0.393%</b> |



 **Pesticide Analysis**

CATEGORY 1 PESTICIDE TEST RESULTS - 10/07/2020  **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          | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Carbofuran        | 0.01 / 0.04    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlordane*        | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorfenapyr*     | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorpyrifos      | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Coumaphos         | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Daminozide        | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| DDVP (Dichlorvos) | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |
| Dimethoate        | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |
| Ethoprop(hos)     | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Etofenprox        | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Fenoxycarb        | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Fipronil          | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Imazalil          | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Methiocarb        | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Methyl parathion  | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Mevinphos         | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Paclobutrazol     | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Propoxur          | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Spiroxamine       | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Thiacloprid       | 0.03 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |

CATEGORY 2 PESTICIDE TEST RESULTS - 10/07/2020  **PASS**

|                     |             |     |     |    |      |
|---------------------|-------------|-----|-----|----|------|
| Abamectin           | 0.03 / 0.10 | 0.1 | N/A | ND | PASS |
| Acephate            | 0.01 / 0.04 | 0.1 | N/A | ND | PASS |
| Acequinocyl         | 0.02 / 0.05 | 0.1 | N/A | ND | PASS |
| Acetamiprid         | 0.02 / 0.05 | 0.1 | N/A | ND | PASS |
| 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              | 0.2 / 0.5   | 0.7 | N/A | ND | PASS |
| Carbaryl            | 0.01 / 0.02 | 0.5 | N/A | ND | PASS |
| Chlorantraniliprole | 0.01 / 0.03 | 10  | N/A | ND | PASS |

Continued on next page





**Pesticide Analysis** *Continued*

**CATEGORY 2 PESTICIDE TEST RESULTS - 10/07/2020** *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             | 0.02 / 0.06    | 0.1                 | N/A                            | ND            | PASS   |
| Cyfluthrin               | 0.1 / 0.4      | 2                   | N/A                            | ND            | PASS   |
| Cypermethrin             | 0.1 / 0.3      | 1                   | N/A                            | ND            | PASS   |
| Diazinon                 | 0.01 / 0.04    | 0.1                 | N/A                            | ND            | PASS   |
| Dimethomorph             | 0.01 / 0.03    | 2                   | N/A                            | ND            | PASS   |
| Etoxazole                | 0.010 / 0.028  | 0.1                 | N/A                            | ND            | PASS   |
| Fenhexamid               | 0.02 / 0.1     | 0.1                 | N/A                            | ND            | PASS   |
| Fenpyroximate            | 0.03 / 0.08    | 0.1                 | N/A                            | ND            | PASS   |
| Flonicamid               | 0.01 / 0.04    | 0.1                 | N/A                            | ND            | PASS   |
| Fludioxonil              | 0.03 / 0.08    | 0.1                 | N/A                            | ND            | PASS   |
| Hexythiazox              | 0.01 / 0.04    | 0.1                 | N/A                            | ND            | PASS   |
| Imidacloprid             | 0.01 / 0.04    | 5                   | N/A                            | ND            | PASS   |
| Kresoxim-methyl          | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Malathion                | 0.02 / 0.05    | 0.5                 | N/A                            | ND            | PASS   |
| Metalaxyl                | 0.02 / 0.06    | 2                   | N/A                            | ND            | PASS   |
| Methomyl                 | 0.03 / 0.1     | 1                   | N/A                            | ND            | PASS   |
| Myclobutanil             | 0.03 / 0.1     | 0.1                 | N/A                            | ND            | PASS   |
| Naled                    | 0.03 / 0.1     | 0.1                 | N/A                            | ND            | PASS   |
| Oxamyl                   | 0.02 / 0.06    | 0.5                 | N/A                            | ND            | PASS   |
| Pentachloronitrobenzene* | 0.03 / 0.09    | 0.1                 | N/A                            | ND            | PASS   |
| Permethrin               | 0.03 / 0.09    | 0.5                 | N/A                            | ND            | PASS   |
| Phosmet                  | 0.03 / 0.10    | 0.1                 | N/A                            | ND            | PASS   |
| Piperonylbutoxide        | 0.003 / 0.009  | 3                   | N/A                            | ND            | PASS   |
| Prallethrin              | 0.03 / 0.08    | 0.1                 | N/A                            | ND            | PASS   |
| Propiconazole            | 0.01 / 0.03    | 0.1                 | N/A                            | ND            | PASS   |
| Pyrethrins               | 0.03 / 0.08    | 0.5                 | N/A                            | ND            | PASS   |
| Pyridaben                | 0.006 / 0.019  | 0.1                 | N/A                            | ND            | PASS   |
| Spinetoram               | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Spinosad                 | 0.02 / 0.06    | 0.1                 | N/A                            | ND            | PASS   |
| Spiromesifen             | 0.02 / 0.05    | 0.1                 | N/A                            | ND            | PASS   |
| Spirotetramat            | 0.01 / 0.02    | 0.1                 | N/A                            | ND            | PASS   |
| Tebuconazole             | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Thiamethoxam             | 0.03 / 0.08    | 5                   | N/A                            | ND            | PASS   |
| 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 - 10/06/2020  **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                          | 0.1           | PASS   |
| Arsenic  | 0.02 / 0.1     | 0.2                 | N/A                            | <LOQ          | PASS   |
| Mercury  | 0.002 / 0.01   | 0.1                 | N/A                            | <LOQ          | PASS   |

