



510 N Sheridan Road Suite D | Tulsa, OK 74115 | (918) 520-3441 | OMMA #: LAAA-0095-HXSF

# Report of Analysis

Report Status: Final

**Client Name:** Heart and Soil, LLC

**Address:** 1004 Hwy 54  
Guymon, OK 73942

**Phone:** 806-782-9938

**OMMA #:** GAAA-RC4Q-LIMD  
08/30/2023

**Collected:**  
**Harvest/** 12/26/2023  
**Production:**

**Special Notes:** 1A40E01000147C1000004426

**Lab ID:** -10135

**Strain:** Platinum SFV

**Matrix:** Flower - Cured

**Sample Batch #:** 1A40E01000147C1000004402

**Sample Weight:** 10

**Received:** 02/20/2024



## Summary of Results

| Potency Profile                  |             |
|----------------------------------|-------------|
| Cannabinoid                      | Weight %    |
| CBDV                             | ND          |
| CBDA                             | ND          |
| CBN                              | ND          |
| CBD                              | ND          |
| CBGA                             | 0.859       |
| CBG                              | ND          |
| THCV                             | ND          |
| Δ9-THC                           | 0.790       |
| Δ8-THC                           | ND          |
| THCA                             | 24.2        |
| CBC                              | ND          |
| <b>Total THC Delta-9(%)</b>      | <b>22.0</b> |
| <b>Total THC Delta-9(mg/g)</b>   | <b>220</b>  |
| <b>Total Cannabinoids (%)</b>    | <b>25.8</b> |
| <b>Total Cannabinoids (mg/g)</b> | <b>258</b>  |

| Microbiological Profile |             |
|-------------------------|-------------|
| <b>All Results</b>      | <b>Pass</b> |

| Heavy Metals Screening |             |
|------------------------|-------------|
| <b>All Results</b>     | <b>Pass</b> |

| Moisture Content   |                |             |
|--------------------|----------------|-------------|
| <b>All Results</b> | <b>10.42 %</b> | <b>Pass</b> |

| Terpene Profile        |             |
|------------------------|-------------|
| Terpene                | Result %    |
| α-Pinene               | < LOQ       |
| Camphene               | < LOQ       |
| Myrcene                | 0.227       |
| a-Terpinene            | < LOQ       |
| β-pinene               | 0.0582      |
| 3-Carene               | < LOQ       |
| Ocimene                | < LOQ       |
| Delta-limonene         | 0.293       |
| p-Cymene               | < LOQ       |
| Eucalyptol             | < LOQ       |
| γ-Terpinene            | < LOQ       |
| Terpinolene            | < LOQ       |
| Linalool               | < LOQ       |
| Isopulegol             | < LOQ       |
| Geraniol               | 0.0560      |
| β-Caryophyllene        | 0.553       |
| Humulene               | 0.182       |
| cis-Nerolidol          | 0.0604      |
| trans-Nerolidol        | 0.179       |
| Nerolidol              | 0.240       |
| Guaiol                 | < LOQ       |
| Caryophyllene oxide    | 0.0549      |
| α-Bisabolol            | 0.0470      |
| <b>Total Terpene %</b> | <b>1.82</b> |

| Pesticide Screening |             |
|---------------------|-------------|
| <b>All Results</b>  | <b>Pass</b> |

| Filth and Foreign Materials Screening |             |
|---------------------------------------|-------------|
| <b>All Results</b>                    | <b>Pass</b> |

**NOTES:** mg/L = ppm, µg/L = ppb. "<" denotes "less than". ND is non-detectable quantity.

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# Potency

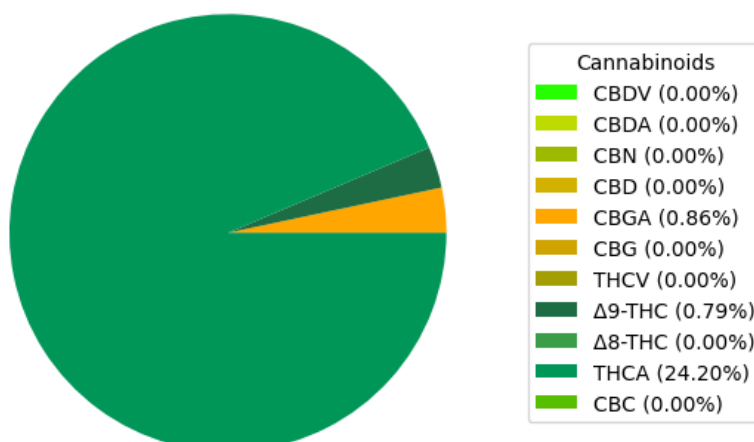
Date Completed: 02/21/2024

Instrument: Agilent 1100 (HPLC) - Agilent (DAD)

Lab Tech: Andrea Burrows

| Analyte          | Weight (%) | Result (mg/g) | LOQ (mg/g) |
|------------------|------------|---------------|------------|
| CBDV             | ND         | ND            | 0.650      |
| CBDA             | ND         | ND            | 0.650      |
| CBN              | ND         | ND            | 0.650      |
| CBD              | ND         | ND            | 0.650      |
| CBGA             | 0.859      | 8.59          | 0.650      |
| CBG              | ND         | ND            | 0.650      |
| THCV             | ND         | ND            | 0.650      |
| $\Delta$ 9-THC   | 0.790      | 7.90          | 0.650      |
| $\Delta$ 8-THC   | ND         | ND            | 0.650      |
| THCA             | 24.2       | 242           | 0.650      |
| CBC              | ND         | ND            | 0.650      |
| <b>Total CBD</b> | ND         | ND            |            |
| <b>Total THC</b> | 22.0       | 220           |            |

Cannabinoid Distribution (%)



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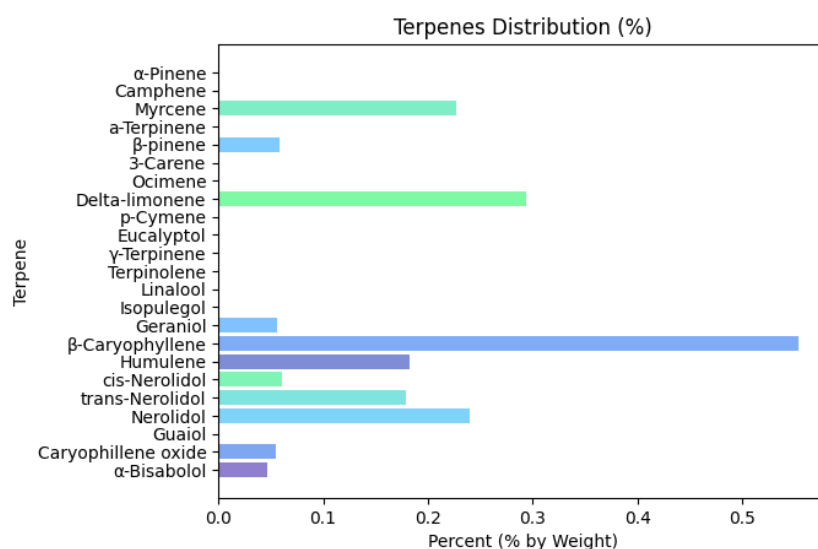
## Terpenoid

Date Completed: 02/21/2024

Instrument: HP 6890 (GC) - Agilent (FID)

Lab Tech: Andrea Burrows

| Analyte                | Result (mg/g) | Result (%)  | LOD ( $\mu\text{g/mL}$ ) | LOQ ( $\mu\text{g/mL}$ ) |
|------------------------|---------------|-------------|--------------------------|--------------------------|
| $\alpha$ -Pinene       | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Camphene               | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Myrcene                | 2.27          | 0.227       | 6.25                     | 12.5                     |
| a-Terpinene            | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| $\beta$ -pinene        | 0.582         | 0.0582      | 6.25                     | 12.5                     |
| 3-Carene               | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Ocimene                | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Delta-limonene         | 2.93          | 0.293       | 6.25                     | 12.5                     |
| p-Cymene               | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Eucalyptol             | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| $\gamma$ -Terpinene    | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Terpinolene            | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Linalool               | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Isopulegol             | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Geraniol               | 0.560         | 0.0560      | 6.25                     | 12.5                     |
| $\beta$ -Caryophyllene | 5.53          | 0.553       | 6.25                     | 12.5                     |
| Humulene               | 1.82          | 0.182       | 6.25                     | 12.5                     |
| cis-Nerolidol          | 0.604         | 0.0604      | 6.25                     | 12.5                     |
| trans-Nerolidol        | 1.79          | 0.179       | 6.25                     | 12.5                     |
| Nerolidol              | 2.40          | 0.240       | 6.25                     | 12.5                     |
| Guaiol                 | < LOQ         | < LOQ       | 6.25                     | 12.5                     |
| Caryophyllene oxide    | 0.549         | 0.0549      | 6.25                     | 12.5                     |
| $\alpha$ -Bisabolol    | 0.470         | 0.0470      | 6.25                     | 12.5                     |
| <b>Total Terpenes:</b> | <b>18.2</b>   | <b>1.82</b> |                          |                          |



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## Heavy Metals

PASS

Date Completed:

Instrument: Perkin Elmer Elan DRC II (ICP-MS)

Lab Tech: Marchel Crawford

| Analyte | Result (ppm) | Threshold (ppm) | LOD (ppm) | LOQ (ppm) | Pass/Fail |
|---------|--------------|-----------------|-----------|-----------|-----------|
| Cadmium | ND           | 0.200           | 0.0500    | 0.100     | Pass      |
| Lead    | < LOQ        | 0.500           | 0.125     | 0.250     | Pass      |
| Arsenic | ND           | 0.200           | 0.0500    | 0.100     | Pass      |
| Mercury | ND           | 0.100           | 0.0250    | 0.0500    | Pass      |

## Microbial Analysis

PASS

Date Completed:

Instrument: Agilent AriaMx (qPCR)

Lab Tech: Ryan Bales

| Analyte                    | Result (CFU/g) | Threshold (CFU/g) | Pass/Fail |
|----------------------------|----------------|-------------------|-----------|
| Escherichia Coli (E. Coli) | ND             | 1.00              | Pass      |
| Yeast/Mold                 | ND             | 10,000            | Pass      |
| Salmonella spp             | ND             | 1.00              | Pass      |
| Aspergillus Niger          | ND             | 1.00              | Pass      |
| Aspergillus Fumigatus      | ND             | 1.00              | Pass      |
| Aspergillus Terreus        | ND             | 1.00              | Pass      |
| Aspergillus Flavus         | ND             | 1.00              | Pass      |

## Pesticide Profile

PASS

Date Completed:

Instrument: Agilent 1200 (HPLC) - Agilent 6460 (QQQ)

Lab Tech: Andrea Burrows

| Analyte       | Result (ppm) | LOQ (ppm) | Threshold (ppm) | Pass/Fail |
|---------------|--------------|-----------|-----------------|-----------|
| Abamectin     | ND           | 0.251     | 0.500           | Pass      |
| Azoxystrobin  | ND           | 0.100     | 0.200           | Pass      |
| Bifenazate    | ND           | 0.100     | 0.200           | Pass      |
| Etoxazole     | ND           | 0.100     | 0.200           | Pass      |
| Imazalil      | ND           | 0.100     | 0.200           | Pass      |
| Imidacloprid  | ND           | 0.200     | 0.400           | Pass      |
| Malathion     | ND           | 0.100     | 0.200           | Pass      |
| Myclobutanil  | ND           | 0.100     | 0.200           | Pass      |
| Permethrin    | ND           | 0.100     | 0.200           | Pass      |
| Spinosad      | ND           | 0.100     | 0.200           | Pass      |
| Spiromesifen  | ND           | 0.100     | 0.200           | Pass      |
| Spirotetramat | ND           | 0.100     | 0.200           | Pass      |
| Tebuconazole  | ND           | 0.200     | 0.400           | Pass      |

## Foreign Materials

PASS

Date Completed:

Instrument: NA

Lab Tech: Lab Technician

| Analyte           | Pass/Fail | Comments |
|-------------------|-----------|----------|
| Foreign Materials | Pass      | N/A      |

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# Water Activity

PASS

Date Completed:

Instrument: Rotronic HygroLab6 HC2-AW

Lab Tech: Marchel Crawford

| Analyte        | Finding | Threshold | Pass/Fail |
|----------------|---------|-----------|-----------|
| Water Activity | 0.401   | 0.65      | Pass      |

# Moisture Content

PASS

Date Completed:

Instrument: NA

Lab Tech: Marchel Crawford

| Analyte          | Result (%) | Pass/Fail |
|------------------|------------|-----------|
| Moisture Content | 10.4       | Pass      |



Approved By: Lab Director  
Transparent Testing, LLC  
02/26/2024

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