



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/**  
**Production:** 10/04/2023  
**Special Notes:**

**Lab ID:** -7425  
**Strain:** Love Triangle  
**Matrix:** Flower - Cured  
**Sample Batch #:** 1A40E01000147C1000003789  
**Sample Weight:** 10  
**Received:** 10/20/2023



### Summary of Results

| Potency Profile                  |             | Terpene Profile        |             |
|----------------------------------|-------------|------------------------|-------------|
| Cannabinoid                      | Weight %    | Terpene                | Result %    |
| CBDV                             | ND          | α-Pinene               | < LOQ       |
| CBDA                             | 0.100       | Camphene               | < LOQ       |
| CBN                              | ND          | Myrcene                | 0.884       |
| CBD                              | ND          | a-Terpinene            | < LOQ       |
| CBGA                             | 0.937       | β-pinene               | < LOQ       |
| CBG                              | 0.276       | 3-Carene               | < LOQ       |
| THCV                             | ND          | Ocimene                | 0.0620      |
| Δ9-THC                           | 0.325       | Delta-limonene         | 0.0862      |
| Δ8-THC                           | ND          | p-Cymene               | < LOQ       |
| THCA                             | 25.0        | Eucalyptol             | < LOQ       |
| CBC                              | ND          | γ-Terpinene            | < LOQ       |
| <b>Total THC Delta-9(%)</b>      | <b>22.3</b> | Terpinolene            | < LOQ       |
| <b>Total THC Delta-9(mg/g)</b>   | <b>223</b>  | Linalool               | 0.0545      |
| <b>Total Cannabinoids (%)</b>    | <b>26.7</b> | Isopulegol             | < LOQ       |
| <b>Total Cannabinoids (mg/g)</b> | <b>267</b>  | Geraniol               | < LOQ       |
|                                  |             | β-Caryophyllene        | 0.0965      |
|                                  |             | Humulene               | < LOQ       |
|                                  |             | cis-Nerolidol          | 0.0789      |
|                                  |             | trans-Nerolidol        | 0.202       |
|                                  |             | Nerolidol              | 0.281       |
|                                  |             | Guaiol                 | < LOQ       |
|                                  |             | Caryophyllene oxide    | < LOQ       |
|                                  |             | α-Bisabolol            | 0.0503      |
|                                  |             | <b>Total Terpene %</b> | <b>1.73</b> |

| Microbiological Profile |      |
|-------------------------|------|
| All Results             | Pass |

| Heavy Metals Screening |      |
|------------------------|------|
| All Results            | Pass |

| Moisture Content |         |      |
|------------------|---------|------|
| All Results      | 14.49 % | Pass |

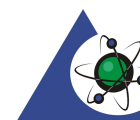
  

| Pesticide Screening |      |
|---------------------|------|
| All Results         | Pass |

| Filt and Foreign Materials Screening |      |
|--------------------------------------|------|
| All Results                          | Pass |

**NOTES:** mg/L = ppm, µg/L = ppb. "<" denotes "less than". ND is non-detectable quantity. This report of analysis may not be modified in any way, or reproduced except in full, without written approval from Transparent Testing. Results as reported relate only to samples as submitted, unless specifically noted otherwise. Measurement uncertainty is available upon request. **The Limit of Detection (LOD)** is the lowest limit at which the method can detect an analyte's presence as greater than zero. **The Limit of Quantitation (LOQ)** is the lowest limit at which the method is accurately able to quantify an analyte. The Threshold is the limit at which the Oklahoma Medical Marijuana Authority (OMMA) deems medical marijuana and marijuana-infused products as safe for use.



**PJLA**  
Testing  
Accreditation # 115041  
ISO/IEC 17025:2017 Accredited

# Potency

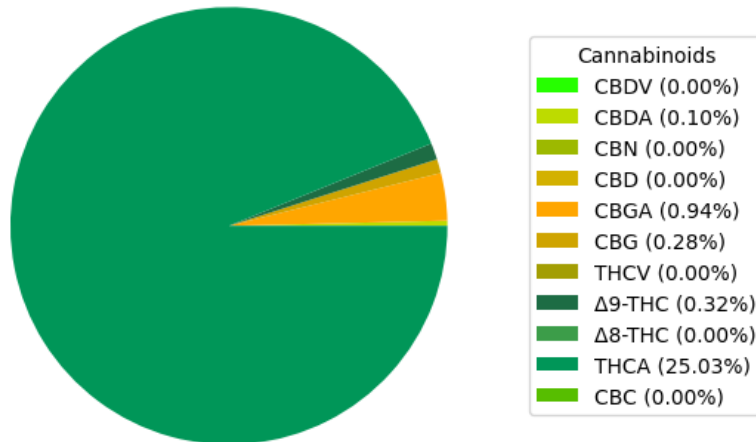
Date Completed: 10/20/2023

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

Lab Tech: Andrea Burrows

| Analyte          | Weight (%) | Result (mg/g) | LOQ (mg/g) |
|------------------|------------|---------------|------------|
| CBDV             | ND         | ND            | 0.650      |
| CBDA             | 0.100      | 1.00          | 0.650      |
| CBN              | ND         | ND            | 0.650      |
| CBD              | ND         | ND            | 0.650      |
| CBGA             | 0.937      | 9.37          | 0.650      |
| CBG              | 0.276      | 2.76          | 0.650      |
| THCV             | ND         | ND            | 0.650      |
| Δ9-THC           | 0.325      | 3.25          | 0.650      |
| Δ8-THC           | ND         | ND            | 0.650      |
| THCA             | 25.0       | 250           | 0.650      |
| CBC              | ND         | ND            | 0.650      |
| <b>Total CBD</b> | < LOQ      | 0.881         |            |
| <b>Total THC</b> | 22.3       | 223           |            |

Cannabinoid Distribution (%)



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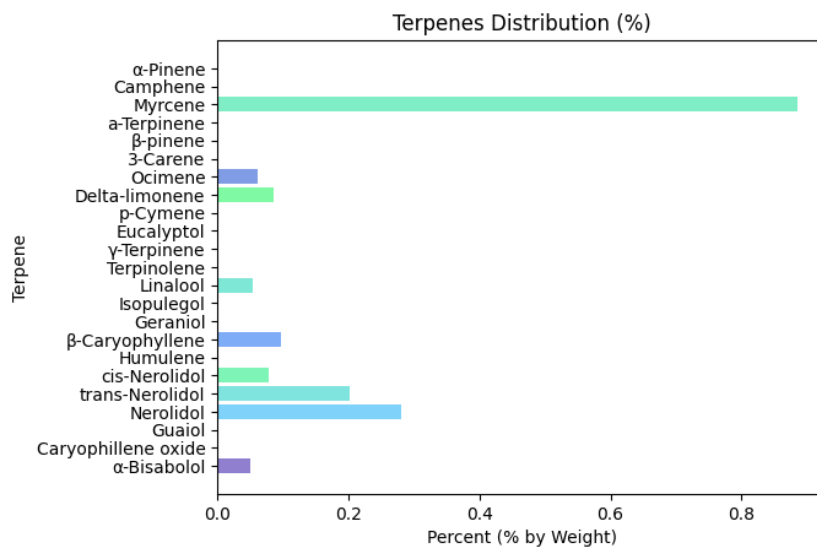
# Terpenoid

Date Completed: 10/20/2023

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

Lab Tech: Andrea Burrows

| Analyte                | Result (mg/g) | Result (%)  | LOD (µg/mL) | LOQ (µg/mL) |
|------------------------|---------------|-------------|-------------|-------------|
| α-Pinene               | < LOQ         | < LOQ       | 6.25        | 12.5        |
| Camphene               | < LOQ         | < LOQ       | 6.25        | 12.5        |
| Myrcene                | 8.84          | 0.884       | 6.25        | 12.5        |
| a-Terpinene            | < LOQ         | < LOQ       | 6.25        | 12.5        |
| β-pinene               | < LOQ         | < LOQ       | 6.25        | 12.5        |
| 3-Carene               | < LOQ         | < LOQ       | 6.25        | 12.5        |
| Ocimene                | 0.620         | 0.0620      | 6.25        | 12.5        |
| Delta-limonene         | 0.862         | 0.0862      | 6.25        | 12.5        |
| p-Cymene               | < LOQ         | < LOQ       | 6.25        | 12.5        |
| Eucalyptol             | < LOQ         | < LOQ       | 6.25        | 12.5        |
| γ-Terpinene            | < LOQ         | < LOQ       | 6.25        | 12.5        |
| Terpinolene            | < LOQ         | < LOQ       | 6.25        | 12.5        |
| Linalool               | 0.545         | 0.0545      | 6.25        | 12.5        |
| Isopulegol             | < LOQ         | < LOQ       | 6.25        | 12.5        |
| Geraniol               | < LOQ         | < LOQ       | 6.25        | 12.5        |
| β-Caryophyllene        | 0.965         | 0.0965      | 6.25        | 12.5        |
| Humulene               | < LOQ         | < LOQ       | 6.25        | 12.5        |
| cis-Nerolidol          | 0.789         | 0.0789      | 6.25        | 12.5        |
| trans-Nerolidol        | 2.02          | 0.202       | 6.25        | 12.5        |
| Nerolidol              | 2.81          | 0.281       | 6.25        | 12.5        |
| Guaiol                 | < LOQ         | < LOQ       | 6.25        | 12.5        |
| Caryophyllene oxide    | < LOQ         | < LOQ       | 6.25        | 12.5        |
| α-Bisabolol            | 0.503         | 0.0503      | 6.25        | 12.5        |
| <b>Total Terpenes:</b> | <b>17.3</b>   | <b>1.73</b> |             |             |



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# Heavy Metals

PASS

Date Completed: 10/25/2023

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

Lab Tech: Marchel Crawford

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

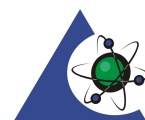
Date Completed:

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 | 0.566   | 0.65      | Pass      |

# Moisture Content

PASS

Date Completed:

Instrument: NA

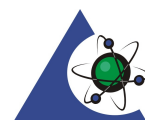
Lab Tech: Marchel Crawford

| Analyte          | Result (%) | Pass/Fail |
|------------------|------------|-----------|
| Moisture Content | 14.5       | Pass      |



Approved By: Lab Director  
Transparent Testing, LLC  
10/27/2023

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