



## Certificate of Analysis

Compliance Test

**Client Information:**

**Flying Horse**

624 Hampton park DR  
Birmingham, Alabama  
35216

**Manufacturing Facility:**

USA HEMP SOLUTIONS  
2630 W 81ST  
HIALEAH, FL 33016

**Batch Data:**

Batch # 20250070125  
Batch Date: 2025-07-24  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 393546

**Order #**

FLY250724-030001

**Order Date:** 2025-07-24

**Sample #** AAGY195

**Sampling Date:** 2025-07-25

**Lab Batch Date:** 2025-07-25

**Orig. Completion Date:** 2025-07-30

**Initial Gross Weight:** 24.500 g

**Net Weight per Package:**

9000.000 mg

**Sampling Method:**

MSP 7.3.1

**Net Weight per Serving:**

9000 mg

**Servings Per Package:**

1

**Statement of Amendment: Merging reports**



Product Image



**Potency  
Tested**



**Heavy Metals  
Passed**



**2 3-Butanedione  
Passed**



**Mycotoxins  
Passed**



**Pesticides  
Passed**



**Residual Solvents  
Passed**



**Pathogenic  
Passed**



**Microbiology (qPCR)  
Passed**



**Vitamin E  
Passed**



### Potency Summary

|                           |                |                         |                |
|---------------------------|----------------|-------------------------|----------------|
| <b>Delta 9 THC</b>        | <b>&lt;LOQ</b> | <b>Total Active CBD</b> | <b>&lt;LOQ</b> |
| per Serving               | 0.00 mg        | per Serving             | 0.00 mg        |
| per Package               | 0.00 mg        | per Package             | 0.00 mg        |
| <b>Total CBG</b>          | <b>0.0620%</b> | <b>Total CBN</b>        | <b>0.972%</b>  |
| per Serving               | 5.58 mg        | per Serving             | 87.5 mg        |
| per Package               | 5.58 mg        | per Package             | 87.5 mg        |
| <b>Total Cannabinoids</b> | <b>80.6%</b>   | <b>Total Active THC</b> | <b>&lt;LOQ</b> |
| per Serving               | 7250 mg        | per Serving             | 0.00 mg        |
| per Package               | 7250 mg        | per Package             | 0.00 mg        |
| <b>Total DELTA-8-THC</b>  | <b>74.7%</b>   |                         |                |
| per Serving               | 6720 mg        |                         |                |
| per Package               | 6720 mg        |                         |                |

Aixia Sun Lab Director/Principal Scientist

D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.878) + CBG, CBN Total = (CBNA \* 0.876) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta 8-THCP + Delta 9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample, (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Client supplied the net weight of mg. The results apply to the sample as received. Revised report- see statement of amendment above.

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**Order #**

FLY250724-030001  
Order Date: 2025-07-24  
Sample # AAGY195

**Sampling Date:** 2025-07-25

Lab Batch Date: 2025-07-25  
Orig. Completion Date: 2025-07-30

**Initial Gross Weight:** 24.500 g

**Net Weight per Package:**

9000.000 mg  
Sampling Method:  
MSP 7.3.1

**Net Weight per Serving:**

9000 mg  
Servings Per Package:  
1



**Potency 25 (LCUV)**

Specimen Weight: 501.730 mg

**Tested**

**SOP13.001 (LCUV)**

| Analyte               | Dilution<br>(1:n) | LOD<br>(mg/g) | LOQ<br>(%) | Result<br>(mg/g) | (%)    | Per Serving<br>(mg) | Per Package<br>(mg) |
|-----------------------|-------------------|---------------|------------|------------------|--------|---------------------|---------------------|
| Delta-8 THC           | 50.000            | 2.600000E-5   | 0.015      | 74.7             | 74.7   | 6720                | 6720                |
| CBC                   | 50.000            | 1.800000E-5   | 0.015      | 17.3             | 1.73   | 155                 | 155                 |
| Delta-8 THCV          | 500.000           | 4.000000E-5   | 0.015      | 17.0             | 1.70   | 153                 | 153                 |
| Delta-9-THCP          | 500.000           | 1.170000E-5   | 0.012      | 10.8             | 1.08   | 96.9                | 96.9                |
| CBN                   | 50.000            | 1.400000E-5   | 0.015      | 9.72             | 0.972  | 87.5                | 87.5                |
| CBT                   | 50.000            | 2.000000E-4   | 0.015      | 2.77             | 0.277  | 24.9                | 24.9                |
| CBCA                  | 50.000            | 1.070000E-4   | 0.015      | 0.668            | 0.0668 | 6.01                | 6.01                |
| CBG                   | 50.000            | 2.480000E-4   | 0.015      | 0.620            | 0.0620 | 5.58                | 5.58                |
| THCVA                 | 50.000            | 4.700000E-5   | 0.015      | 0.429            | 0.0429 | 3.86                | 3.86                |
| Delta-8-THCP          | 50.000            | 3.750000E-4   | 0.015      | 0.228            | 0.0228 | 2.06                | 2.06                |
| CBD                   | 50.000            | 5.400000E-5   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| CBDA                  | 50.000            | 1.000000E-5   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| CBDV                  | 50.000            | 6.500000E-5   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| CBDVA                 | 50.000            | 1.400000E-5   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| CBGA                  | 50.000            | 8.000000E-5   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| CBL                   | 50.000            | 3.500000E-5   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| CBNA                  | 50.000            | 9.500000E-5   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| Delta-8 THC-O Acetate | 50.000            | 2.700000E-5   | 0.025      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| Delta-9 THC           | 50.000            | 1.300000E-5   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| Delta-9 THC-O Acetate | 50.000            | 7.700000E-5   | 0.025      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| Exo-THC               | 50.000            | 2.300000E-4   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| THCA-A                | 50.000            | 3.200000E-5   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| THCB                  | 50.000            | 1.800000E-4   | 0.0163     | <LOQ             | <LOQ   | 0.00                | 0.00                |
| THCH                  | 50.000            | 3.500000E-4   | 0.0163     | <LOQ             | <LOQ   | 0.00                | 0.00                |
| THCV                  | 50.000            | 7.000000E-6   | 0.015      | <LOQ             | <LOQ   | 0.00                | 0.00                |
| Total Active THC      | 50.000            |               |            | <LOQ             | <LOQ   | 0.00                | 0.00                |
| Total Active CBD      | 50.000            |               |            | <LOQ             | <LOQ   | 0.00                | 0.00                |

Aixa Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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#### Order Details:

Test Reg State: Florida  
Food Permit #: 393546

#### Order #

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Order Date: 2025-07-24  
Sample # AAGY195

#### Sampling Date:

2025-07-25  
Lab Batch Date: 2025-07-25  
Orig. Completion Date: 2025-07-30

#### Initial Gross Weight:

24.500 g

#### Net Weight per Package:

9000.000 mg  
Sampling Method:  
MSP 7.3.1

#### Net Weight per Serving:

9000 mg  
Servings Per Package:  
1



#### 2,3-butanedione(Diacetyl)

Specimen Weight: 16.600 mg

**Passed**

SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

| Analyte         | LOD<br>(ppm) | LOQ<br>(ppm) | Result<br>(ppm) |
|-----------------|--------------|--------------|-----------------|
| 2,3-Butanedione | 0.024        | 0.024        | <LOQ            |



#### PCR Total Yeast and Mold

Specimen Weight: 497.200 mg

**Passed**

SOP13.017 (qPCR)

Dilution Factor: 8.000

| Analyte          | LOQ<br>(cfu/g) | Action Level<br>(cfu/g) | Result<br>(cfu/g) |
|------------------|----------------|-------------------------|-------------------|
| Total Yeast/Mold | 1000           | 100000                  | <LOQ              |



#### Pathogenic SAE (qPCR) FL

Specimen Weight: 1013.000 mg

**Passed**

SOP13.029 (qPCR)

Dilution Factor: 1.000

| Analyte                                         | Action Level<br>(cfu/g) | Result<br>(cfu/g) | Analyte                              | Action Level<br>(cfu/g) | Result<br>(cfu/g) |
|-------------------------------------------------|-------------------------|-------------------|--------------------------------------|-------------------------|-------------------|
| Aspergillus (Flavus, Fumigatus, Niger, Terreus) | 1                       | Absence in 1g     | Shiga toxin-producing E. coli (STEC) | 1                       | Absence in 1g     |
| Salmonella                                      | 1                       | Absence in 1g     |                                      |                         |                   |

*Aixia Sun*

Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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### Sampling Date:

2025-07-25  
Lab Batch Date: 2025-07-25  
Orig. Completion Date: 2025-07-30

### Initial Gross Weight:

24.500 g

### Net Weight per Package:

9000.000 mg  
Sampling Method:  
MSP 7.3.1

### Net Weight per Serving:

9000 mg  
Servings Per Package:  
1



### Vitamin E (Tocopheryl Acetate)

Specimen Weight: 618.000 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.430

| Analyte                                | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|----------------------------------------|-----------|-----------|--------------------|--------------|
| Tocopheryl Acetate (Vitamin E Acetate) | 0.705     | 500       | 500                | <LOQ         |



### Heavy Metals

Specimen Weight: 250.200 mg

**Passed**

SOP13.048 (ICP-MS)

Dilution Factor: 199

| Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|-----------|--------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Arsenic (As) | 4.830     | 100       | 200                | <LOQ         | Lead (Pb)    | 11.760    | 100       | 500                | <LOQ         |
| Cadmium (Cd) | 0.640     | 100       | 200                | <LOQ         | Mercury (Hg) | 0.580     | 100       | 200                | <LOQ         |



### Mycotoxins

Specimen Weight: N/A Dilution Factor: 2.430

**Passed**

SOP13.007 (LCMS/GCMS)

| Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|-----------|--------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Aflatoxin B1 | 0.304     | 6         | 20                 | <LOQ         | Aflatoxin G2 | 0.271     | 6         | 20                 | <LOQ         |
| Aflatoxin B2 | 0.077     | 6         | 20                 | <LOQ         | Ochratoxin A | 0.754     | 3.8       | 20                 | <LOQ         |
| Aflatoxin G1 | 0.304     | 6         | 20                 | <LOQ         |              |           |           |                    |              |

*Aixia Sun*

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**Net Weight per Package:**

9000.000 mg  
Sampling Method:  
MSP 7.3.1

**Net Weight per Serving:**

9000 mg  
Servings Per Package:  
1



### Residual Solvents - FL (CBD)

Specimen Weight: 16.600 mg

**Passed**

SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

| Analyte            | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte            | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|--------------------|-----------|-----------|--------------------|--------------|--------------------|-----------|-----------|--------------------|--------------|
| 1,1-Dichloroethene | 0.009     | 1.6       | 8                  | <LOQ         | Heptane            | 0.001     | 13.9      | 5000               | <LOQ         |
| 1,2-Dichloroethane | 0.000     | 0.4       | 2                  | <LOQ         | Hexane             | 0.068     | 11.7      | 250                | <LOQ         |
| Acetone            | 0.015     | 20.8      | 750                | <LOQ         | Isopropyl alcohol  | 0.005     | 13.9      | 500                | <LOQ         |
| Acetonitrile       | 0.060     | 11.7      | 60                 | <LOQ         | Methanol           | 0.001     | 6.9       | 250                | <LOQ         |
| Benzene            | 0.000     | 0.2       | 1                  | <LOQ         | Methylene chloride | 0.003     | 24.3      | 125                | <LOQ         |
| Butanes            | 0.417     | 25        | 5000               | <LOQ         | Pentane            | 0.037     | 20.8      | 750                | <LOQ         |
| Chloroform         | 0.000     | 0.4       | 2                  | <LOQ         | Propane            | 0.031     | 58.3      | 5000               | <LOQ         |
| Ethanol            | 0.002     | 27.8      | 5000               | <LOQ         | Toluene            | 0.001     | 29.2      | 150                | <LOQ         |
| Ethyl Acetate      | 0.001     | 11.1      | 400                | <LOQ         | Total Xylenes      | 0.000     | 29.2      | 150                | <LOQ         |
| Ethyl Ether        | 0.005     | 13.9      | 500                | <LOQ         | Trichloroethylene  | 0.001     | 4.9       | 25                 | <LOQ         |
| Ethylene Oxide     | 0.004     | 1         | 5                  | <LOQ         |                    |           |           |                    |              |

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Servings Per Package:  
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**Pesticides Florida**

Specimen Weight: 618.000 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.430

| Analyte              | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte                 | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|----------------------|-----------|-----------|--------------------|--------------|-------------------------|-----------|-----------|--------------------|--------------|
| Abamectin            | 0.399     | 23.3      | 100                | <LOQ         | Fludioxonil             | 0.360     | 24.8      | 100                | <LOQ         |
| Acephate             | 0.141     | 24.8      | 100                | <LOQ         | Hexythiazox             | 0.113     | 24.8      | 100                | <LOQ         |
| Acequinocyl          | 2.178     | 24.8      | 100                | <LOQ         | Imazalil                | 0.258     | 24.8      | 100                | <LOQ         |
| Acetamiprid          | 0.140     | 24.8      | 100                | <LOQ         | Imidacloprid            | 0.402     | 24.8      | 400                | <LOQ         |
| Aldicarb             | 0.203     | 24.8      | 100                | <LOQ         | Kresoxim Methyl         | 0.182     | 24.8      | 100                | <LOQ         |
| Azoxystrobin         | 0.188     | 24.8      | 100                | <LOQ         | Malathion               | 0.223     | 24.8      | 200                | <LOQ         |
| Bifenazate           | 0.086     | 24.8      | 100                | <LOQ         | Metalaxyl               | 0.270     | 24.8      | 100                | <LOQ         |
| Bifenthrin           | 0.100     | 24.8      | 100                | <LOQ         | Methiocarb              | 0.118     | 24.8      | 100                | <LOQ         |
| Boscalid             | 0.595     | 24.8      | 100                | <LOQ         | Methomyl                | 0.064     | 24.8      | 100                | <LOQ         |
| Captan               | 1.850     | 323       | 700                | <LOQ         | methyl-Parathion        | 2.390     | 24.8      | 100                | <LOQ         |
| Carbaryl             | 0.122     | 24.8      | 500                | <LOQ         | Mevinphos               | 0.093     | 24.8      | 100                | <LOQ         |
| Carbofuran           | 0.086     | 24.8      | 100                | <LOQ         | Myclobutanil            | 0.573     | 24.8      | 24.8               | <LOQ         |
| Chlorantraniliprole  | 0.084     | 24.8      | 1000               | <LOQ         | Naled                   | 0.069     | 24.8      | 250                | <LOQ         |
| Chlordane            | 9.671     | 24.8      | 100                | <LOQ         | Oxamyl                  | 0.041     | 24.8      | 500                | <LOQ         |
| Chlorfenapyr         | 1.500     | 24.8      | 100                | <LOQ         | Paclobutrazol           | 0.186     | 24.8      | 100                | <LOQ         |
| Chlormequat Chloride | 0.205     | 24.8      | 1000               | <LOQ         | Pentachloronitrobenzene | 7.950     | 24.8      | 150                | <LOQ         |
| Chlorpyrifos         | 0.109     | 24.8      | 100                | <LOQ         | Permethrin              | 0.624     | 24.8      | 100                | <LOQ         |
| Clofentezine         | 0.212     | 24.8      | 200                | <LOQ         | Phosmet                 | 0.127     | 24.8      | 100                | <LOQ         |
| Coumaphos            | 0.206     | 24.8      | 100                | <LOQ         | Piperonylbutoxide       | 0.149     | 24.8      | 3000               | <LOQ         |
| Cyfluthrin           | 0.980     | 24.8      | 500                | <LOQ         | Prallethrin             | 1.476     | 24.8      | 100                | <LOQ         |
| Cypermethrin         | 0.985     | 24.8      | 500                | <LOQ         | Propiconazole           | 0.294     | 24.8      | 100                | <LOQ         |
| Daminozide           | 1.655     | 24.8      | 100                | <LOQ         | Propoxur                | 0.100     | 24.8      | 100                | <LOQ         |
| Diazinon             | 0.212     | 24.8      | 100                | <LOQ         | Pyrethrins              | 0.067     | 12.9      | 500                | <LOQ         |
| Dichlorvos           | 1.130     | 24.8      | 100                | <LOQ         | Pyridaben               | 0.140     | 24.8      | 200                | <LOQ         |
| Dimethoate           | 0.063     | 24.8      | 100                | <LOQ         | Spinetoram              | 0.424     | 24.8      | 200                | <LOQ         |
| Dimethomorph         | 2.581     | 24.8      | 200                | <LOQ         | Spinosad                | 0.028     | 24.8      | 100                | <LOQ         |
| Ethoprophos          | 0.151     | 24.8      | 100                | <LOQ         | Spiromesifen            | 0.120     | 24.8      | 100                | <LOQ         |
| Etofenprox           | 0.172     | 24.8      | 100                | <LOQ         | Spirotetramat           | 0.211     | 24.8      | 100                | <LOQ         |
| Etoxazole            | 0.866     | 24.8      | 100                | <LOQ         | Spiroxamine             | 0.533     | 24.8      | 100                | <LOQ         |
| Fenhexamid           | 0.588     | 24.8      | 100                | <LOQ         | Tebuconazole            | 0.230     | 24.8      | 100                | 67.6         |
| Fenoxycarb           | 0.274     | 24.8      | 100                | <LOQ         | Thiacloprid             | 0.170     | 24.8      | 100                | <LOQ         |
| Fenpyroximate        | 0.198     | 24.8      | 100                | <LOQ         | Thiamethoxam            | 0.179     | 24.8      | 500                | <LOQ         |
| Fipronil             | 0.317     | 24.8      | 100                | <LOQ         | Trifloxystrobin         | 0.134     | 24.8      | 100                | <LOQ         |
| Flonicamid           | 0.466     | 24.8      | 100                | <LOQ         |                         |           |           |                    |              |

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**Definitions are found on page 1**

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