



**Certificate of Analysis**  
Compliance Test

Client Information:

**FOUR WINDS FARM LLC**  
2312 ALPINE AVE NW  
HOMESTEAD, IA 52236

Batch # 240108003A  
Batch Date: 2024-02-06  
Extracted From: cbg flower

Test Reg State: Florida

Production Facility: Partnered Process  
Production Date: 2024-02-06

Order # FOU240206-020001  
Order Date: 2024-02-06  
Sample # AAFG913

Sampling Date: 2024-02-09  
Lab Batch Date: 2024-02-09  
Orig. Completion Date: 2024-02-19

Initial Gross Weight: 55.467 g  
Net Weight: 50.067 g

Number of Units: 1  
Net Weight per Unit: 3851.308 mg  
Sampling Method: MSP 7.3.1

Statement of Amendment: Updated Retest results



**Potency Tested**



**Heavy Metals Passed**



**Mycotoxins Passed**



**Pesticides Passed**



**Residual Solvents Passed**



**Moisture Tested**



**Water Activity Tested**



**Pathogenic Microbiology Passed**



**Microbiology (qPCR) Passed**



**Microbiology Petrifilm Passed**

Product Image

**Potency 10 - (LCMS)**  
Specimen Weight: 1525.900 mg

**Tested**  
SOP13.030 (LCMS)

**Potency Summary**

|  |   |
|--|---|
| <b>Total Active THC</b><br>0.008% 0.317 mg   | <b>Total Active CBD</b><br>0.002% 0.084 mg    |
| <b>Total CBG</b><br>0.904% 34.816 mg         | <b>Total CBN</b><br>None Detected             |
| <b>Other Cannabinoids</b><br>0.029% 1.101 mg | <b>Total Cannabinoids</b><br>0.943% 36.318 mg |

Pieces For Panel: 13

| Analyte          | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%)      |
|------------------|----------------|---------|---------|---------------|----------|
| CBG              | 10.000         | 4.00E-7 | 7.5E-5  | 9.040         | 0.904    |
| CBC              | 10.000         | 1.94E-6 | 7.5E-5  | 0.274         | 0.027    |
| Delta-9 THC      | 10.000         | 2.98E-5 | 7.5E-5  | 0.082         | 0.008    |
| CBD              | 10.000         | 3.37E-7 | 7.5E-5  | 0.022         | 0.002    |
| CBN              | 10.000         | 1.25E-6 | 7.5E-5  | 0.005         | 4.60E-04 |
| THCV             | 10.000         | 1.24E-6 | 7.5E-5  | 0.005         | 4.57E-04 |
| CBDA             | 10.000         | 7.78E-8 | 7.5E-5  | <LOQ          | <LOQ     |
| CBDV             | 10.000         | 9.80E-8 | 7.5E-5  | <LOQ          | <LOQ     |
| CBGA             | 10.000         | 4.71E-8 | 7.5E-5  | <LOQ          | <LOQ     |
| THCA-A           | 10.000         | 1.51E-7 | 7.5E-5  | <LOQ          | <LOQ     |
| Total Active CBD | 10.000         |         |         | 0.022         | 0.002    |
| Total Active THC | 10.000         |         |         | 0.082         | 0.008    |

*Aixia Sun*  
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 \* 0.87), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCv = THCVA \* 0.87, CBG Total = (CBGA \* 0.877) + CBG, CBN Total = (CBNA \* 0.877) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCv + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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, (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 Sample not received via laboratory sampling. An unknown compound found. Did not match CRM. Revised report- see statement of amendment above.  
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Test Reg State: Florida

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Production Date: 2024-02-06

Sampling Date: 2024-02-09  
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Orig. Completion Date: 2024-02-19

Initial Gross Weight: 55.467 g  
Net Weight: 50.067 g

Number of Units: 1  
Net Weight per Unit: 3851.308 mg  
Sampling Method: MSP 7.3.1

**Moisture**  
Net Weight: 50.067 g

Dilution Factor: 1.000

| Analyte  | Action Level (%) | Result (%) |
|----------|------------------|------------|
| Moisture | 15               | 1.840      |

**Tested**  
SOP13.015 (Moisture Meter)

**Water Activity**  
Net Weight: 50.067 g

Dilution Factor: 1.000

| Analyte        | Action Level (aw) | Result (aw) |
|----------------|-------------------|-------------|
| Water Activity | 0.85              | 0.613       |

**Tested**  
SOP13.016 (Water Activity Analyzer)

**Total Yeast and Mold**  
Specimen Weight: 480.800 mg

Dilution Factor: 1.000

| Analyte          | Action Level (cfu/g) | Result (cfu/g) | Remark |
|------------------|----------------------|----------------|--------|
| Total Yeast/Mold | 100000               | <LOQ           | Passed |

**Passed**  
SOP13.017 (qPCR)

**Microbiology (Petrifilm)**  
Specimen Weight: 1005.700 mg

Dilution Factor: 1.000

| Analyte            | LOQ (cfu/g) | Action Level (cfu/g) | Result (cfu/g) | Analyte                  | LOQ (cfu/g) | Action Level (cfu/g) | Result (cfu/g) |
|--------------------|-------------|----------------------|----------------|--------------------------|-------------|----------------------|----------------|
| Aerobic Bacteria   | 10          | 10000                | <10            | Total Enterobacteriaceae | 10          | 1000                 | <10            |
| E. Coli / Coliform | 10          | 100                  | <10            | Yeast/Mold               | 10          | 1000                 | <10            |

**Passed**  
SOP13.003 (Petrifilm)

**Pathogenic Microbiology SAE (MicroArray)**  
Specimen Weight: 1030.800 mg

Dilution Factor: 1.000

| Analyte               | Result (cfu/g) | Analyte             | Result (cfu/g) |
|-----------------------|----------------|---------------------|----------------|
| Aspergillus flavus    | Absence in 1g  | Aspergillus terreus | Absence in 1g  |
| Aspergillus fumigatus | Absence in 1g  | Salmonella          | Absence in 1g  |
| Aspergillus niger     | Absence in 1g  | STEC E. Coli        | Absence in 1g  |

**Passed**  
SOP13.019 (Micro Array)

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

Definitions are found on page 1

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**Heavy Metals**  
Specimen Weight: 247.700 mg

**Passed**  
SOP13.048 (ICP-MS)

Dilution Factor: 201

| Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|-----------|--------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Arsenic (As) | 4.83      | 100       | 1500               | <LOQ         | Lead (Pb)    | 11.76     | 100       | 500                | <LOQ         |
| Cadmium (Cd) | .64       | 100       | 500                | <LOQ         | Mercury (Hg) | .58       | 100       | 3000               | <LOQ         |

**Mycotoxins**  
Specimen Weight: 592.000 mg

**Passed**  
SOP13.007 (LCMS)

Dilution Factor: 2.530

| Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|-----------|--------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Aflatoxin B1 | 3.0400E-1 | 6         | 20                 | <LOQ         | Aflatoxin G2 | 2.7100E-1 | 6         | 20                 | <LOQ         |
| Aflatoxin B2 | 7.7000E-2 | 6         | 20                 | <LOQ         | Ochratoxin A | 7.5400E-1 | 3.8       | 20                 | <LOQ         |
| Aflatoxin G1 | 3.0400E-1 | 6         | 20                 | <LOQ         |              |           |           |                    |              |

**Residual Solvents - FL (CBD)**  
Specimen Weight: 300.200 mg

**Passed**  
SOP13.039 (GCMS)

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 | 0.0094    | 0.16      | 8                  | <LOQ         | Heptane            | 0.0013    | 1.39      | 5000               | <LOQ         |
| 1,2-Dichloroethane | 0.0003    | 0.04      | 5                  | <LOQ         | Hexane             | 0.068     | 1.17      | 290                | <LOQ         |
| Acetone            | 0.015     | 2.08      | 5000               | <LOQ         | Isopropyl alcohol  | 0.0048    | 1.39      | 500                | <LOQ         |
| Acetonitrile       | 0.06      | 1.17      | 410                | <LOQ         | Methanol           | 0.0005    | 0.69      | 3000               | 27.665       |
| Benzene            | 0.0002    | 0.02      | 2                  | <LOQ         | Methylene chloride | 0.0029    | 2.43      | 600                | <LOQ         |
| Butanes            | 0.4167    | 2.5       | 2000               | <LOQ         | Pentane            | 0.037     | 2.08      | 5000               | <LOQ         |
| Chloroform         | 0.0001    | 0.04      | 60                 | <LOQ         | Propane            | 0.031     | 5.83      | 2100               | <LOQ         |
| Ethanol            | 0.0021    | 2.78      | 5000               | 441.748      | Toluene            | 0.0009    | 2.92      | 890                | <LOQ         |
| Ethyl Acetate      | 0.0012    | 1.11      | 5000               | <LOQ         | Total Xylenes      | 0.0001    | 2.92      | 2170               | <LOQ         |
| Ethyl Ether        | 0.0049    | 1.39      | 5000               | <LOQ         | Trichloroethylene  | 0.0014    | 0.49      | 80                 | <LOQ         |
| Ethylene Oxide     | 0.0038    | 0.1       | 5                  | <LOQ         |                    |           |           |                    |              |

*Aixia Sun*  
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Sampling Method: MSP 7.3.1

**Pesticides**

Specimen Weight: 592.000 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.530

| Analyte               | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte                 | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|-----------------------|-----------|-----------|--------------------|--------------|-------------------------|-----------|-----------|--------------------|--------------|
| Abamectin             | 2.8800E-1 | 28.23     | 300                | <LOQ         | Fludioxonil             | 1.7400E+0 | 48        | 3000               | <LOQ         |
| Acephate              | 2.3000E-2 | 30        | 3000               | <LOQ         | Hexythiazox             | 4.9000E-2 | 30        | 2000               | <LOQ         |
| Acequinocyl           | 9.5640E+0 | 48        | 2000               | <LOQ         | Imazalil                | 2.4800E-1 | 30        | 100                | <LOQ         |
| Acetamiprid           | 5.2000E-2 | 30        | 3000               | <LOQ         | Imidacloprid            | 9.4000E-2 | 30        | 3000               | <LOQ         |
| Aldicarb              | 2.6000E-2 | 30        | 100                | <LOQ         | Kresoxim Methyl         | 4.2000E-2 | 30        | 1000               | <LOQ         |
| Azoxystrobin          | 8.1000E-2 | 10        | 3000               | <LOQ         | Malathion               | 8.2000E-2 | 30        | 2000               | <LOQ         |
| Bifenazate            | 1.4150E+0 | 30        | 3000               | <LOQ         | Metalaxyl               | 8.1000E-2 | 10        | 3000               | <LOQ         |
| Bifenthrin            | 4.3000E-2 | 30        | 500                | <LOQ         | Methiocarb              | 3.2000E-2 | 30        | 100                | <LOQ         |
| Boscalid              | 5.5000E-2 | 10        | 3000               | <LOQ         | Methomyl                | 2.2000E-2 | 30        | 100                | <LOQ         |
| Captan                | 6.1200E+0 | 30        | 3000               | <LOQ         | methyl-Parathion        | 1.7100E+0 | 10        | 100                | <LOQ         |
| Carbaryl              | 2.2000E-2 | 10        | 500                | <LOQ         | Mevinphos               | 2.1500E+0 | 10        | 100                | <LOQ         |
| Carbofuran            | 3.4000E-2 | 10        | 100                | <LOQ         | Myclobutanil            | 1.0290E+0 | 30        | 3000               | <LOQ         |
| Chlorantraniliprole   | 3.3000E-2 | 10        | 3000               | <LOQ         | Naled                   | 9.5000E-2 | 30        | 500                | <LOQ         |
| Chlordane             | 1.0000E+1 | 10        | 100                | <LOQ         | Oxamyl                  | 2.5000E-2 | 30        | 500                | <LOQ         |
| Chlorfenapyr          | 3.4000E-2 | 30        | 100                | <LOQ         | Paclbutrazol            | 6.5000E-2 | 30        | 100                | <LOQ         |
| Chloromequat Chloride | 1.0800E-1 | 10        | 3000               | <LOQ         | Pentachloronitrobenzene | 1.3200E+0 | 10        | 200                | <LOQ         |
| Chlorpyrifos          | 3.5000E-2 | 30        | 100                | <LOQ         | Permethrin              | 3.4300E-1 | 30        | 1000               | <LOQ         |
| Clofentezine          | 1.1900E-1 | 30        | 500                | <LOQ         | Phosmet                 | 8.2000E-2 | 30        | 200                | <LOQ         |
| Coumaphos             | 3.7700E+0 | 48        | 100                | <LOQ         | Piperonylbutoxide       | 2.9000E-2 | 30        | 3000               | <LOQ         |
| Cyfluthrin            | 3.1100E+0 | 30        | 1000               | <LOQ         | Prallethrin             | 7.9800E-1 | 30        | 400                | <LOQ         |
| Cypermethrin          | 1.4490E+0 | 30        | 1000               | <LOQ         | Propiconazole           | 7.0000E-2 | 30        | 1000               | <LOQ         |
| Daminozide            | 8.8500E-1 | 30        | 100                | <LOQ         | Propoxur                | 4.6000E-2 | 30        | 100                | <LOQ         |
| Diazinon              | 4.4000E-2 | 30        | 200                | <LOQ         | Pyrethrins              | 2.3593E+1 | 30        | 1000               | <LOQ         |
| Dichlorvos            | 2.1820E+0 | 30        | 100                | <LOQ         | Pyridaben               | 3.2000E-2 | 30        | 3000               | <LOQ         |
| Dimethoate            | 2.1000E-2 | 30        | 100                | <LOQ         | Spinetoram              | 8.0000E-2 | 10        | 3000               | <LOQ         |
| Dimethomorph          | 5.8300E+0 | 48        | 3000               | <LOQ         | Spinosad                | 8.8000E-2 | 30        | 3000               | <LOQ         |
| Ethoprophos           | 3.6000E-1 | 30        | 100                | <LOQ         | Spiromesifen            | 2.6100E-1 | 30        | 3000               | <LOQ         |
| Etofenprox            | 1.1600E-1 | 30        | 100                | <LOQ         | Spirotetramat           | 8.9000E-2 | 30        | 3000               | <LOQ         |
| Etoxazole             | 9.5000E-2 | 30        | 1500               | <LOQ         | Spiroxamine             | 1.3100E-1 | 30        | 100                | <LOQ         |
| Fenhexamid            | 5.1000E-1 | 10        | 3000               | <LOQ         | Tebuconazole            | 6.7000E-2 | 30        | 1000               | <LOQ         |
| Fenoxycarb            | 1.0700E-1 | 30        | 100                | <LOQ         | Thiacloprid             | 6.4000E-2 | 30        | 100                | <LOQ         |
| Fenpyroximate         | 1.3800E-1 | 30        | 2000               | <LOQ         | Thiamethoxam            | 5.0000E-2 | 30        | 1000               | <LOQ         |
| Fipronil              | 1.0700E-1 | 30        | 100                | <LOQ         | Trifloxystrobin         | 3.7000E-2 | 30        | 3000               | <LOQ         |
| Fonicamid             | 5.1700E-1 | 30        | 2000               | <LOQ         |                         |           |           |                    |              |

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