



**Certificate of Analysis**  
Compliance Test

Client Information:

**Extract Labs**

1399 Horizon Ave.  
Lafayette, CO 80026

Batch # 23E6000108

Batch Date: 2023-08-22

Extracted From: Hemp

Test Reg State: Colorado

Order # EXT230823-040001  
Order Date: 2023-08-23  
Sample # AAEU559

Sampling Date: 2023-08-25  
Lab Batch Date: 2023-08-25  
Completion Date: 2023-08-31

Initial Gross Weight: 69.901 g  
Net Weight: 66.901 g

Number of Units: 1  
Net Weight per Unit: 3040.955 mg  
Sampling Method: MSP 7.3.1



Product Image



**Potency**  
Tested



**Heavy Metals**  
Passed



**Mycotoxins**  
Passed



**Pesticides**  
Passed



**Residual Solvents**  
Passed



**Pathogenic Microbiology**  
Passed



**Microbiology Petrifilm**  
Passed



**Potency 10**

Specimen Weight: 1534.000 mg

**Tested**

SOP13.001 (LCUV)



**Potency Summary**

Pieces For Panel: 22

| Analyte          | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%)   |
|------------------|----------------|---------|---------|---------------|-------|
| CBD              | 10.000         | 5.40E-5 | 0.015   | 3.260         | 0.326 |
| CBG              | 10.000         | 2.48E-4 | 0.015   | 2.900         | 0.290 |
| CBDA             | 10.000         | 1.00E-5 | 0.015   | 2.330         | 0.233 |
| CBGA             | 10.000         | 8.00E-5 | 0.015   | 2.170         | 0.217 |
| CBC              | 10.000         | 1.80E-5 | 0.015   | <LOQ          | <LOQ  |
| CBDV             | 10.000         | 6.50E-5 | 0.015   | <LOQ          | <LOQ  |
| CBN              | 10.000         | 1.40E-5 | 0.015   | <LOQ          | <LOQ  |
| Delta-9 THC      | 10.000         | 1.30E-5 | 0.015   | <LOQ          | <LOQ  |
| THCA-A           | 10.000         | 3.20E-5 | 0.015   | <LOQ          | <LOQ  |
| THCV             | 10.000         | 7.00E-6 | 0.015   | <LOQ          | <LOQ  |
| Total Active CBD | 10.000         |         |         | 5.303         | 0.530 |
| Total Active THC | 10.000         |         |         | <LOQ          | <LOQ  |

|                                     |                              |                            |
|-------------------------------------|------------------------------|----------------------------|
| Total Active THC<br>None Detected   | Total Active CBD<br>0.530%   | 16.130mg                   |
| Total CBG<br>0.480%                 | 14.600mg                     | Total CBN<br>None Detected |
| Other Cannabinoids<br>None Detected | Total Cannabinoids<br>1.011% | 30.740mg                   |
| Total CBGA<br>0.217%                | 6.599mg                      |                            |

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist

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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 THC = 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 = Delta8-THC + Delta9-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 (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (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 CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21 Sample not received via laboratory sampling.

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Sampling Method: MSP 7.3.1

**Pathogenic Microbiology - SE (MicroArray) - CO**

Specimen Weight: 25.047 g

Dilution Factor: 1.000

| Analyte    | Action Limit (cfu/g) | Result (cfu/g) | Analyte | Action Limit (cfu/g) | Result (cfu/g) |
|------------|----------------------|----------------|---------|----------------------|----------------|
| Salmonella | 25                   | Absence in 25g | STEC    | 25                   | Absence in 25g |

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

**Microbiology (Petrifilm) - CO**  
Specimen Weight: 994.600 mg

| Analyte          | LOQ (cfu/g) | Action Limit (cfu/g) | Result (cfu/g) | Analyte    | LOQ (cfu/g) | Action Limit (cfu/g) | Result (cfu/g) |
|------------------|-------------|----------------------|----------------|------------|-------------|----------------------|----------------|
| Aerobic Bacteria | 10          | 10000                | <10            | Yeast/Mold | 10          | 1000                 | <10            |
| Total Coliform   | 10          | 100                  | <10            |            |             |                      |                |

**Passed**  
SOP13.003 (Petrifilm)

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**Mycotoxins - CO**  
Specimen Weight: 590.600 mg

**Passed**  
SOP14.003 (LCMS)

Dilution Factor: 2.540

| Analyte         | LOD (ppb) | LOQ (ppb) | Action Limit (ppb) | Result (ppb) | Analyte      | LOD (ppb) | LOQ (ppb) | Action Limit (ppb) | Result (ppb) |
|-----------------|-----------|-----------|--------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Aflatoxin B1    | 3.7250E-1 | 2.5       | 5                  | <LOQ         | Ochratoxin A | 1.8997E-1 | 3.5       | 5                  | <LOQ         |
| Aflatoxin Total |           | 2.5       | 20                 | <LOQ         |              |           |           |                    |              |

**Heavy Metals - CO**  
Specimen Weight: 249.890 mg

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

Dilution Factor: 200.088

| Analyte      | LOD (ppb) | LOQ (ppb) | Action Limit (ppb) | Result (ppb) | Analyte      | LOD (ppb) | LOQ (ppb) | Action Limit (ppb) | Result (ppb) |
|--------------|-----------|-----------|--------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Arsenic (As) | 4.83      | 100       | 1500               | <LOQ         | Lead (Pb)    | 0.58      | 100       | 500                | <LOQ         |
| Cadmium (Cd) | 0.64      | 100       | 500                | <LOQ         | Mercury (Hg) | 11.76     | 100       | 1500               | <LOQ         |

**Residual Solvents - CO**  
Specimen Weight: 11.100 mg

**Passed**  
SOP13.039 (GCMS)

Dilution Factor: 1.000

| Analyte       | LOD (ppm) | LOQ (ppm) | Action Limit (ppm) | Result (ppm) | Analyte           | LOD (ppm) | LOQ (ppm) | Action Limit (ppm) | Result (ppm) |
|---------------|-----------|-----------|--------------------|--------------|-------------------|-----------|-----------|--------------------|--------------|
| Acetone       | 0.015     | 2.08      | 1000               | <LOQ         | Isopropyl alcohol | 0.0048    | 1.39      | 1000               | <LOQ         |
| Benzene       | 0.0002    | 0.02      | 2                  | <LOQ         | Methanol          | 0.0005    | 0.69      | 600                | <LOQ         |
| Butanes       | 0.4167    | 2.5       | 1000               | <LOQ         | Pentane           | 0.037     | 2.08      | 1000               | <LOQ         |
| Ethanol       | 0.0021    | 2.78      | 1000               | 137.549      | Propane           | 0.031     | 5.83      | 1000               | <LOQ         |
| Ethyl Acetate | 0.0012    | 1.11      | 1000               | <LOQ         | Toluene           | 0.0009    | 2.92      | 180                | <LOQ         |
| Heptane       | 0.0013    | 1.39      | 1000               | <LOQ         | Total Xylenes     | 0.0001    | 2.92      | 430                | <LOQ         |
| Hexane        | 0.068     | 1.17      | 60                 | <LOQ         |                   |           |           |                    |              |

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CLIA No. 10D1094068

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Net Weight per Unit: 3040.955 mg  
Sampling Method: MSP 7.3.1

**Pesticides - CO**

**Passed**

Specimen Weight: 590.600 mg

SOP14.003 (LCMS/GCMS)

Dilution Factor: 2.540

| Analyte             | LOD (ppb)  | LOQ (ppb) | Action Limit (ppb) | Result (ppb) | Analyte            | LOD (ppb)  | LOQ (ppb) | Action Limit (ppb) | Result (ppb) | Analyte                            | LOD (ppb)  | LOQ (ppb) | Action Limit (ppb) | Result (ppb) |
|---------------------|------------|-----------|--------------------|--------------|--------------------|------------|-----------|--------------------|--------------|------------------------------------|------------|-----------|--------------------|--------------|
| Abamectin           | 3.1800E-4  | 250       | 250                | <LOQ         | Dodemorph          | 6.4700E-12 | 50        | 50                 | <LOQ         | Naled                              | 5.8500E-6  | 100       | 100                | <LOQ         |
| Acephate            | 3.9632E-2  | 50        | 50                 | <LOQ         | Endosulfan sulfate | 8.8376E-1  | 2500      | 2500               | <LOQ         | Novaluron                          | 2.0500E-4  | 25        | 25                 | <LOQ         |
| Acequinocyl         | 5.7646E-2  | 30        | 30                 | <LOQ         | Endosulfan-alpha   | 1.2220E+1  | 2500      | 2500               | <LOQ         | Oxamyl                             | 1.6190E-3  | 1500      | 1500               | <LOQ         |
| Acetamiprid         | 3.3800E-10 | 50        | 50                 | <LOQ         | Endosulfan-beta    | 2.2760E+1  | 2500      | 2500               | <LOQ         | Paclobotrazol                      | 6.9300E-8  | 10        | 10                 | <LOQ         |
| Aldicarb            | 2.2744E-2  | 500       | 500                | <LOQ         | Ethoprophos        | 1.5900E-5  | 10        | 10                 | <LOQ         | Pentachloronitrobenzen(Quintozene) | 4.3900E+0  | 20        | 20                 | <LOQ         |
| Allethrin           | 4.7244E-1  | 100       | 100                | <LOQ         | Etofenprox         | 8.3050E-3  | 50        | 50                 | <LOQ         | Permethrin                         | 2.2089E-2  | 500       | 500                | <LOQ         |
| Atrazine            | 3.7992E-1  | 25        | 25                 | <LOQ         | Etoxazole          | 8.3558E-1  | 20        | 20                 | <LOQ         | Phenothrin                         | 2.1200E-7  | 50        | 50                 | <LOQ         |
| Azadirachtin        | 3.0710E-3  | 500       | 500                | <LOQ         | Etridiazole        | 4.0200E+0  | 150       | 150                | <LOQ         | Phosmet                            | 9.6150E-3  | 20        | 20                 | <LOQ         |
| Azoxystrobin        | 1.3247E-2  | 10        | 10                 | <LOQ         | Fenhexamid         | 1.0947E+0  | 125       | 125                | <LOQ         | Piperonylbutoxide                  | 1.3400E-7  | 1250      | 1250               | <LOQ         |
| Benzovindiflupyr    | 1.2567E-2  | 10        | 10                 | <LOQ         | Fenoxycarb         | 3.4507E-1  | 10        | 10                 | <LOQ         | Pirimicarb                         | 5.6600E-5  | 10        | 10                 | <LOQ         |
| Bifenazate          | 2.1700E-8  | 10        | 10                 | <LOQ         | Fenpyroximate      | 4.4800E-7  | 20        | 20                 | <LOQ         | Prallethrin                        | 1.6732E-1  | 50        | 50                 | <LOQ         |
| Bifenthrin          | 8.4200E-4  | 1000      | 1000               | <LOQ         | Fensulfthion       | 7.9400E-4  | 10        | 10                 | <LOQ         | Propiconazole                      | 2.1300E-14 | 10        | 10                 | <LOQ         |
| Boscalid            | 4.3300E-6  | 10        | 10                 | <LOQ         | Fenthion           | 4.9113E+0  | 10        | 10                 | <LOQ         | Propoxur                           | 3.5081E-1  | 10        | 10                 | <LOQ         |
| Buprofezin          | 1.6600E-9  | 20        | 20                 | <LOQ         | Fenvalerate        | 5.9775E-1  | 100       | 100                | <LOQ         | Pyraclostrobin                     | 5.3100E-7  | 10        | 10                 | <LOQ         |
| Carbaryl            | 1.3800E-5  | 25        | 25                 | <LOQ         | Fipronil           | 2.8847E-2  | 10        | 10                 | <LOQ         | Pyrethrins                         | 6.2350E-3  | 50        | 50                 | <LOQ         |
| Carbofuran          | 7.7600E-5  | 10        | 10                 | <LOQ         | Flonicamid         | 6.9733E-2  | 25        | 25                 | <LOQ         | Pyridaben                          | 8.7500E-15 | 20        | 20                 | <LOQ         |
| Chlorantraniliprole | 1.3559E-1  | 20        | 20                 | <LOQ         | Fludioxonil        | 1.3402E-2  | 10        | 10                 | <LOQ         | Pyriproxyfen                       | 9.5800E-5  | 10        | 10                 | <LOQ         |
| Chlorfenapyr        | 1.5370E+1  | 1500      | 1500               | <LOQ         | Fluopyram          | 1.1200E-9  | 10        | 10                 | <LOQ         | Resmethrin                         | 6.8013E-2  | 50        | 50                 | <LOQ         |
| Chlorpyrifos        | 9.0900E-5  | 500       | 500                | <LOQ         | Hexythiazox        | 6.1900E-5  | 10        | 10                 | <LOQ         | Spinetoram                         | 2.3645E-2  | 10        | 10                 | <LOQ         |
| Clofentezine        | 3.7100E-7  | 10        | 10                 | <LOQ         | Imazalil           | 2.9500E-4  | 10        | 10                 | <LOQ         | Spinosad                           | 5.9903E-1  | 10        | 10                 | <LOQ         |
| Clothianidip        | 3.9900E-4  | 25        | 25                 | <LOQ         | Imidacloprid       | 1.5300E-4  | 10        | 10                 | <LOQ         | Spirodiclofen                      | 3.7377E+6  | 250       | 250                | <LOQ         |
| Coumaphos           | 9.8600E-5  | 10        | 10                 | <LOQ         | Iprodione          | 1.0554E-1  | 500       | 500                | <LOQ         | Spiromesifen                       | 3.2183E-1  | 3000      | 3000               | <LOQ         |
| Cyantraniliprole    | 6.0040E-3  | 10        | 10                 | <LOQ         | Kinoprene          | 3.4000E+0  | 500       | 1250               | <LOQ         | Spirotetramat                      | 4.2760E-2  | 10        | 10                 | <LOQ         |
| Cyfluthrin          | 2.8130E+1  | 200       | 200                | <LOQ         | Kresoxim Methyl    | 1.4500E-4  | 150       | 150                | <LOQ         | Spiroxamine                        | 1.2172E+0  | 100       | 100                | <LOQ         |
| Cypermethrin        | 1.1900E-6  | 300       | 300                | <LOQ         | Lambda Cyhalothrin | 1.1686E-1  | 250       | 250                | <LOQ         | Tebuconazole                       | 1.4800E-14 | 10        | 10                 | <LOQ         |
| Cyprodinil          | 1.1410E-3  | 10        | 10                 | <LOQ         | Malathion          | 1.3300E-4  | 10        | 10                 | <LOQ         | Tebufenozide                       | 1.8121E-2  | 10        | 10                 | <LOQ         |
| Daminozide          | 3.0408E-1  | 100       | 100                | <LOQ         | Metalaxyl          | 4.8600E-5  | 10        | 10                 | <LOQ         | Teflubenzuron                      | 1.6620E-2  | 25        | 25                 | <LOQ         |
| Deltamethrin        | 4.9284E-1  | 500       | 500                | <LOQ         | Methiocarb         | 2.2810E-3  | 10        | 10                 | <LOQ         | Tetrachlorvinphos                  | 8.3913E-1  | 10        | 10                 | <LOQ         |
| Diazinon            | 3.9100E-10 | 20        | 20                 | <LOQ         | Methomyl           | 1.1500E-6  | 25        | 25                 | <LOQ         | Tetramethrin                       | 9.9200E-5  | 100       | 100                | <LOQ         |
| Dichlorvos          | 1.1406E+0  | 50        | 50                 | <LOQ         | Methoprene         | 1.1485E+0  | 2000      | 2000               | <LOQ         | Thiabendazole                      | 1.2510E-3  | 20        | 20                 | <LOQ         |
| Dimethoate          | 2.8400E-6  | 10        | 10                 | <LOQ         | methyl-Parathion   | 4.2400E+0  | 50        | 50                 | <LOQ         | Thiacloprid                        | 1.1200E-5  | 10        | 10                 | <LOQ         |
| Dimethomorph        | 1.5700E-4  | 50        | 50                 | <LOQ         | Mevinphos          | 4.4200E-5  | 25        | 25                 | <LOQ         | Thiamethoxam                       | 2.2500E-6  | 10        | 10                 | <LOQ         |
| Dinotefuran         | 2.3697E-1  | 50        | 50                 | <LOQ         | MGK-264            | 2.5880E-3  | 50        | 50                 | <LOQ         | Thiophanate-methyl                 | 2.2300E-4  | 50        | 50                 | <LOQ         |
| Diuron              | 6.8620E-3  | 125       | 125                | <LOQ         | Myclobutanil       | 7.0006E-1  | 10        | 10                 | <LOQ         | Trifloxystrobin                    | 2.1700E-13 | 10        | 10                 | <LOQ         |

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