



## Certificate of Analysis

Compliance Test

### Client Information:

THD  
163 McKenzie Rd  
MOORESVILLE, NC 28115

Batch # 072120251  
Batch Date: 2025-07-21  
Extracted From: Hemp

Test Reg State: Florida

Order # THD250721-030001  
Order Date: 2025-07-21  
Sample # AAGX890

Sampling Date: 2025-07-22  
Lab Batch Date: 2025-07-22  
Completion Date: 2025-07-28

Initial Gross Weight: 110.400 g

Number of Units: 1  
Net Weight per Unit: 250000.000 mg  
Sampling Method: MSP 7.3.1



Product Image



Potency  
Tested



Heavy Metals  
Passed



Mycotoxins  
Passed



Pesticides  
Passed



Residual Solvents  
Passed



Pathogenic  
Passed



Microbiology (qPCR)  
Passed

Potency 25 (LCUV)  
Specimen Weight: 1536.880 mg

Tested  
SOP13.001 (LCUV)



### Potency Summary

Total Active THC  
0.186% 465.000 mg

Total Active CBD  
None Detected

Total CBG  
None Detected

Total CBN  
None Detected

Total Cannabinoids  
0.227% 567.500 mg

### Pieces For Panel: 10

| Analyte               | Dilution (1:n) | LOD (mg/g) | LOQ (%) | Result (mg/g) | (%)    |
|-----------------------|----------------|------------|---------|---------------|--------|
| Delta-9 THC           | 10.000         | 1.30E-5    | 0.0015  | 1.8600        | 0.1860 |
| CBC                   | 10.000         | 1.80E-5    | 0.0015  | 0.3100        | 0.0310 |
| Delta-8 THC           | 10.000         | 2.60E-5    | 0.0015  | 0.0700        | 0.0070 |
| Delta-8 THCV          | 10.000         | 4.00E-5    | 0.0015  | 0.0300        | 0.0030 |
| CBCA                  | 10.000         | 1.07E-4    | 0.0015  | <LOQ          | <LOQ   |
| CBD                   | 10.000         | 5.40E-5    | 0.0015  | <LOQ          | <LOQ   |
| CBDA                  | 10.000         | 1.00E-5    | 0.0015  | <LOQ          | <LOQ   |
| CBDV                  | 10.000         | 6.50E-5    | 0.0015  | <LOQ          | <LOQ   |
| CBDVA                 | 10.000         | 1.40E-5    | 0.0015  | <LOQ          | <LOQ   |
| CBG                   | 10.000         | 2.48E-4    | 0.0015  | <LOQ          | <LOQ   |
| CBGA                  | 10.000         | 8.00E-5    | 0.0015  | <LOQ          | <LOQ   |
| CBL                   | 10.000         | 3.50E-5    | 0.0015  | <LOQ          | <LOQ   |
| CBN                   | 10.000         | 1.40E-5    | 0.0015  | <LOQ          | <LOQ   |
| CBNA                  | 10.000         | 9.50E-5    | 0.0015  | <LOQ          | <LOQ   |
| CBT                   | 10.000         | 2.00E-4    | 0.0015  | <LOQ          | <LOQ   |
| Delta-8 THC-O Acetate | 10.000         | 2.70E-5    | 0.003   | <LOQ          | <LOQ   |
| Delta-9 THC-O Acetate | 10.000         | 7.70E-5    | 0.003   | <LOQ          | <LOQ   |
| Delta8-THCP           | 10.000         | 3.75E-4    | 0.0015  | <LOQ          | <LOQ   |
| Delta9-THCP           | 10.000         | 1.17E-5    | 0.0012  | <LOQ          | <LOQ   |
| Exo-THC               | 10.000         | 2.30E-4    | 0.0015  | <LOQ          | <LOQ   |
| THCA-A                | 10.000         | 3.20E-5    | 0.0015  | <LOQ          | <LOQ   |
| THCB                  | 10.000         | 1.80E-4    | 0.00195 | <LOQ          | <LOQ   |
| THCH                  | 10.000         | 3.50E-4    | 0.00195 | <LOQ          | <LOQ   |
| THCV                  | 10.000         | 7.00E-6    | 0.0015  | <LOQ          | <LOQ   |
| THCVA                 | 10.000         | 4.70E-5    | 0.0015  | <LOQ          | <LOQ   |
| Total Active CBD      | 10.000         |            |         | <LOQ          | <LOQ   |
| Total Active THC      | 10.000         |            |         | 1.860         | 0.186  |

Aixa 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 = Delta8-THCP + Delta9-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. The results apply to the sample as received.

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Sampling Date: 2025-07-22  
Lab Batch Date: 2025-07-22  
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Initial Gross Weight: 110.400 g

Number of Units: 1  
Net Weight per Unit: 250000.000 mg  
Sampling Method: MSP 7.3.1

**Total Yeast and Mold**  
Specimen Weight: 518.900 mg

**Passed**  
SOP13.017 (qPCR)

Dilution Factor: 8.000

| Analyte           | Action Level (cfu/g)      | LOQ (cfu/g)              | Result (cfu/g)            |
|-------------------|---------------------------|--------------------------|---------------------------|
| Total Yeast/Mold  | 100000                    | 1000                     | <LOQ                      |
| Prep. By: 1161    | Date: 2025-07-23 10:30:05 | Analyzed By: 1161        | Date: 2025-07-23 10:30:05 |
| Reviewed By: 1225 | Date: 2025-07-23 18:57:26 | Lab Batch #: AAGX890-434 | Date: 2025-07-23 18:57:26 |

**Pathogenic SAE (qPCR)**  
Specimen Weight: 1021.300 mg

**Passed**  
SOP13.029 (qPCR)

Dilution Factor: 1.000

| Analyte                                         | Action Level (cfu/g) | Result (cfu/g) | Analyte    | Action Level (cfu/g) | Result (cfu/g) |
|-------------------------------------------------|----------------------|----------------|------------|----------------------|----------------|
| Aspergillus (Flavus, Fumigatus, Niger, Terreus) | 1                    | Absence in 1g  | Salmonella | 1                    | Absence in 1g  |
| E.Coli                                          | 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 Method: MSP 7.3.1



### Heavy Metals

Specimen Weight: 252.000 mg

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

Dilution Factor: 198

| 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               | 121.535      | Lead (Pb)    | 11.76     | 100       | 500                | <LOQ         |
| Cadmium (Cd) | .64       | 100       | 500                | <LOQ         | Mercury (Hg) | .58       | 100       | 3000               | <LOQ         |



### Mycotoxins

Specimen Weight: 580.700 mg

**Passed**  
SOP13.007 (LCMS)

Dilution Factor: 2.580

| 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: 15.200 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 | 0.0094    | 0.16      | 8                  | <LOQ         | Heptane            | 0.0013    | 1.39      | 5000               | <LOQ         |
| 1,2-Dichloroethane | 0.0003    | 0.04      | 2                  | <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               | <LOQ         |
| 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               | <LOQ         | 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         |                    |           |           |                    |              |

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Sampling Method: MSP 7.3.1



**Pesticides**

Specimen Weight: 580.700 mg

**Passed**

SOP13.007 (LCMS)

Dilution Factor: 2.580

| 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         | Paclobutrazol           | 6.5000E-2 | 30        | 100                | <LOQ         |
| Chlormequat 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         |
| Flonicamid           | 5.1700E-1 | 30        | 2000               | <LOQ         |                         |           |           |                    |              |

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