

Certificate of Analysis  
Compliance Test

## Client Information:

3CHI  
274 MEDICAL DR # 875  
CARMEL, IN 46082Batch # 05DEC2022-HHCPE  
Batch Date: 2022-12-05  
Extracted From: Hemp

Test Reg State: Florida

Order # 3CH230227-100001  
Order Date: 2023-02-27  
Sample # AAED661Sampling Date: 2023-03-01  
Lab Batch Date: 2023-03-01  
Completion Date: 2023-03-05

Initial Gross Weight: 12.796 g



Product Image

Mycotoxins  
PassedHHC Metals  
PassedHHCP  
PassedTerpenes  
Passed2,3-Butanedione  
PassedVitamin E  
PassedPesticides  
PassedResidual Solvents  
PassedPathogenic Microbiology  
PassedListeria Monocytogenes  
PassedPotency 23 (LCUV) \*\*\*  
Specimen Weight: 52.190 mgTested  
SOP13.002 (LCUV)

| Analyte               | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%)    |
|-----------------------|----------------|---------|---------|---------------|--------|
| CBT                   | 10.000         | 2.00E-4 | 0.0015  | 0.7300        | 0.0730 |
| CBC                   | 100.000        | 1.80E-5 | 0.0015  | <LOQ          | <LOQ   |
| CBCA                  | 10.000         | 1.07E-4 | 0.0015  | <LOQ          | <LOQ   |
| CBD                   | 10.000         | 5.40E-5 | 0.0015  | <LOQ          | <LOQ   |
| CBD A                 | 10.000         | 1.00E-5 | 0.0015  | <LOQ          | <LOQ   |
| CBD V                 | 10.000         | 6.50E-5 | 0.0015  | <LOQ          | <LOQ   |
| CBD VA                | 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   |
| Delta-8 THC           | 10.000         | 2.60E-5 | 0.0015  | <LOQ          | <LOQ   |
| Delta-8 THC-O Acetate | 10.000         | 2.70E-5 | 0.003   | <LOQ          | <LOQ   |
| Delta-8 THCV          | 10.000         | 4.00E-5 | 0.0015  | <LOQ          | <LOQ   |
| Delta-9 THC           | 100.000        | 1.30E-5 | 0.0015  | <LOQ          | <LOQ   |
| Delta-9 THC-O Acetate | 10.000         | 7.70E-5 | 0.003   | <LOQ          | <LOQ   |
| Delta-8-THCP          | 10.000         | 3.75E-4 | 0.0015  | <LOQ          | <LOQ   |
| Delta-9-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   |
| THCV                  | 10.000         | 7.00E-6 | 0.0015  | <LOQ          | <LOQ   |
| THCVA                 | 10.000         | 4.70E-5 | 0.0015  | <LOQ          | <LOQ   |
| Total Active CBD      | 1000.000       |         |         | <LOQ          | <LOQ   |
| Total Active THC      | 1000.000       |         |         | <LOQ          | <LOQ   |



## Potency Summary

|                    |               |      |                    |               |
|--------------------|---------------|------|--------------------|---------------|
| Total HHC          | 78.337%       | <LOQ | Total Active THC   | None Detected |
| Total Active CBD   | None Detected | -    | Total CBG          | None Detected |
| Total CBN          | None Detected | -    | Other Cannabinoids | <LOQ          |
| Total Cannabinoids | 78.410%       | <LOQ |                    |               |



## Terpenes Summary

| Analyte             | Result (mg/g) | (%)    |
|---------------------|---------------|--------|
| trans-Caryophyllene | 6.848         | 0.685% |
| (R)-(+)-Limonene    | 4.584         | 0.458% |
| beta-Myrcene        | 3.675         | 0.368% |
| alpha-Bisabolol     | 2.921         | 0.292% |
| Terpinolene         | 1.959         | 0.196% |
| Borneol             | 1.87          | 0.187% |
| Linalool            | 1.156         | 0.116% |
| alpha-Humulene      | 1.081         | 0.108% |
| Fenchyl Alcohol     | 1.071         | 0.107% |
| beta-Pinene         | 1.011         | 0.101% |
| alpha-Pinene        | 0.944         | 0.094% |
| 3-Carene            | 0.66          | 0.066% |
| alpha-Phellandrene  | 0.526         | 0.053% |

Total Terpenes: 2.831%

Detailed Terpenes Analysis is on the following page

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

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Order Date: 2023-02-27  
Sample # AAED661

Sampling Date: 2023-03-01  
Lab Batch Date: 2023-03-01  
Completion Date: 2023-03-05

Initial Gross Weight: 12.796 g

### Pesticides FL

Specimen Weight: 274.600 mg

Dilution Factor: 5.460

| 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         |
| 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         |
| Ethionphos            | 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         |                         |           |           |                    |              |

### Passed SOP13.007 (LCMS/GCMS)

### Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1034.370 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  |

### 2,3-butanedione(Diacetyl)

Specimen Weight: 12.300 mg

Dilution Factor: 1.000

| Analyte         | LOD (ppm) | LOQ (ppm) | Result (ppm) |
|-----------------|-----------|-----------|--------------|
| 2,3-Butanedione | .024      | 0.024     | <LOQ         |

### Listeria Monocytogenes

Specimen Weight: 991.600 mg

Dilution Factor: 1.000

| Analyte                | Action Level (cfu/g) | Result        |
|------------------------|----------------------|---------------|
| Listeria Monocytogenes | 1                    | Absence in 1g |

### Vitamin E (Tocopheryl Acetate)

Specimen Weight: 274.600 mg

Dilution Factor: 5.460

| Analyte                                | LOD (ppb) | Result (ppb) |
|----------------------------------------|-----------|--------------|
| Tocopheryl acetate (vitamin E acetate) | .705      | <LOQ         |

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



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Initial Gross Weight: 12.796 g



### Terpenes

Specimen Weight: 78.100 mg

### Tested

SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

| Analyte             | LOQ (%) | Result (mg/g) | (%)   | Analyte          | LOQ (%) | Result (mg/g) | (%) |
|---------------------|---------|---------------|-------|------------------|---------|---------------|-----|
| trans-Caryophyllene | 0.002   | 6.848         | 0.685 | cis-Nerolidol    | 0.002   | <LOQ          |     |
| (R)-(+)-Limonene    | 0.002   | 4.584         | 0.458 | Eucalyptol       | 0.002   | <LOQ          |     |
| beta-Myrcene        | 0.002   | 3.675         | 0.368 | Farnesene        | 0.002   | <LOQ          |     |
| alpha-Bisabolol     | 0.002   | 2.921         | 0.292 | Fenchone         | 0.002   | <LOQ          |     |
| Terpinolene         | 0.002   | 1.959         | 0.196 | Gamma-Terpinene  | 0.002   | <LOQ          |     |
| Borneol             | 0.004   | 1.870         | 0.187 | Geraniol         | 0.002   | <LOQ          |     |
| Linalool            | 0.002   | 1.156         | 0.116 | Geranyl acetate  | 0.002   | <LOQ          |     |
| alpha-Humulene      | 0.002   | 1.081         | 0.108 | Guaiol           | 0.002   | <LOQ          |     |
| Fenchyl Alcohol     | 0.002   | 1.071         | 0.107 | Hexahydrothymol  | 0.002   | <LOQ          |     |
| beta-Pinene         | 0.002   | 1.011         | 0.101 | Isoborneol       | 0.002   | <LOQ          |     |
| alpha-Pinene        | 0.002   | 0.944         | 0.094 | Isopulegol       | 0.002   | <LOQ          |     |
| 3-Carene            | 0.002   | 0.660         | 0.066 | Nerol            | 0.002   | <LOQ          |     |
| alpha-Phellandrene  | 0.002   | 0.526         | 0.053 | Ocimene          | 0.00033 | <LOQ          |     |
| (+)-Cedrol          | 0.002   | <LOQ          |       | Pulegone         | 0.002   | <LOQ          |     |
| alpha-Cedrene       | 0.002   | <LOQ          |       | Sabinene         | 0.002   | <LOQ          |     |
| alpha-Terpinene     | 0.002   | <LOQ          |       | Sabinene Hydrate | 0.002   | <LOQ          |     |
| Camphene            | 0.002   | <LOQ          |       | Total Terpineol  | 0.00126 | <LOQ          |     |
| Camphors            | 0.006   | <LOQ          |       | trans-Nerolidol  | 0.002   | <LOQ          |     |
| Caryophyllene oxide | 0.002   | <LOQ          |       | Valencene        | 0.002   | <LOQ          |     |

**Total Terpenes: 2.831%**



### Residual Solvents - FL (CBD)

Specimen Weight: 12.300 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               | <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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### HHC Metals \*\*\*

Specimen Weight: 246.760 mg

Dilution Factor: 202.626

| Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte        | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|-----------|--------------------|--------------|----------------|-----------|-----------|--------------------|--------------|
| Arsenic (As) | 1.9E-2    | 100       | 200                | <LOQ         | Nickel (Ni)    | 1.5E-1    | 250       | 500                | <LOQ         |
| Cadmium (Cd) | 4.0E-3    | 100       | 200                | <LOQ         | Palladium (Pd) | 7.0E-3    | 50        | 100                | <LOQ         |
| Lead (Pb)    | 1.0E-2    | 100       | 500                | <LOQ         | Platinum (Pt)  | 1.3E-2    | 50        | 100                | <LOQ         |
| Mercury (Hg) | 4.4E-2    | 100       | 200                | <LOQ         | Zinc (Zn)      | 4.1E-1    | 1000      | na                 | <LOQ         |

### Passed

SOP13.051 (ICP-MS)



### HHCP \*\*\*

Specimen Weight: 59.190 mg

Dilution Factor: 5000.000

| Analyte            | LOD (%)   | LOQ (%) | Result (mg/g) | (%)   | Analyte     | LOD (%)   | LOQ (%) | Result (mg/g) | (%)    |
|--------------------|-----------|---------|---------------|-------|-------------|-----------|---------|---------------|--------|
| (9R)-HHC           | 3.1100E-7 | 7.5E-5  | 526.0000      | 52.6  | 9(S)-HHCP   | 2.5500E-6 | 7.5E-5  | <LOQ          | <LOQ   |
| (9S)-HHC           | 8.7400E-7 | 7.5E-5  | 256.0000      | 25.6  | Delta-9 THC | 2.8000E-5 | 7.5E-5  | <LOQ          | <LOQ   |
| (±)-9β-hydroxy-HHC | 4.5800E-7 | 7.5E-5  | 1.3700        | 0.137 | Total HHC   |           |         | 783.3700      | 78.337 |
| 9(R)-HHCP          | 3.0900E-6 | 7.5E-5  | <LOQ          | <LOQ  |             |           |         |               |        |

### Tested

SOP13.050 (LCMS)



### Mycotoxins

Specimen Weight: 274.600 mg

Dilution Factor: 5.460

| 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         |              |           |           |                    |              |

### Passed

SOP13.007 (LCMS)

*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 = 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 (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, Passed - Analyte/microbe is non-detected or at the level below the action limit, Failed - Analyte/microbe is at the level that equal or above the action limit, \*Measurement of Uncertainty = +/- 10%

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