



License No. 800025015  
FL License # CMTL-0003  
CLIA No. 10D1094068

## Certificate of Analysis

Compliance Test

**3CHI**  
274 MEDICAL DR # 875  
CARMEL, IN 46082

Batch # 211215-CDT-NORLIG  
Batch Date: 2021-12-15  
Extracted From: HEMP

Sampling Method: MSP 7.3.1  
Test Reg State: Florida

Order # 3CH211215-200002  
Order Date: 2021-12-15  
Sample # AACG868

Sampling Date: 2021-12-18  
Lab Batch Date: 2021-12-18  
Completion Date: 2021-12-22

Initial Gross Weight: 8.461 g



Product Image

Potency  
Tested  
 Residual  
Solvents  
Passed

Terpenes  
Tested  
 Listeria  
Monocytogenes  
Passed

Heavy Metals  
Passed  
 Pathogenic  
Passed

Mycotoxins  
Passed

Pesticides  
Passed

### Delta 8/Delta 10 Potency 12

Specimen Weight: 53.040 mg

| Analyte      | LOD (%)  | LOQ (%) | Result (mg/g) | (%)    |
|--------------|----------|---------|---------------|--------|
| Delta-8 THC  | 0.000026 | 0.001   | 823.200       | 82.320 |
| THCV         | 0.000007 | 0.001   |               | <LOQ   |
| Delta-9 THC  | 0.000013 | 0.001   |               | <LOQ   |
| Delta-10 THC | 0.000003 | 0.001   |               | <LOQ   |
| CBN          | 0.000014 | 0.001   |               | <LOQ   |
| CBGA         | 0.00008  | 0.001   |               | <LOQ   |
| CBG          | 0.000248 | 0.001   |               | <LOQ   |
| CBDV         | 0.000065 | 0.001   |               | <LOQ   |
| CBDA         | 0.00001  | 0.001   |               | <LOQ   |
| CBD          | 0.000054 | 0.001   |               | <LOQ   |
| CBC          | 0.000018 | 0.001   |               | <LOQ   |
| THCA-A       | 0.000032 | 0.001   |               | <LOQ   |

Tested  
(LCUV)

### Potency Summary

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Total Delta 8<br>82.320%            | Total Delta 10<br>None Detected |
| Total THC<br>None Detected          | Total CBD<br>None Detected      |
| Total CBG<br>None Detected          | Total CBN<br>None Detected      |
| Other Cannabinoids<br>None Detected | Total Cannabinoids<br>82.320%   |

### Terpenes Summary

| Analyte             | Result (mg/g) | (%)    |
|---------------------|---------------|--------|
| Terpinolene         | 7.088         | 0.709% |
| beta-Myrcene        | 6.017         | 0.602% |
| (R)-(+)-Limonene    | 2.648         | 0.265% |
| trans-Caryophyllene | 2.49          | 0.249% |
| Linalool            | 0.781         | 0.078% |
| alpha-Pinene        | 0.774         | 0.077% |
| beta-Pinene         | 0.724         | 0.072% |
| alpha-Humulene      | 0.571         | 0.057% |

Total Terpenes: 2.109%

Detailed Terpenes Analysis is on the following page

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

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



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Order Date: 2021-12-15  
Sample # AACG868

Sampling Date: 2021-12-18  
Lab Batch Date: 2021-12-18  
Completion Date: 2021-12-22

Initial Gross Weight: 8.461 g



### Terpenes

Specimen Weight: 53.040 mg

Tested  
(GC/GCMS)

Dilution Factor: 20.000

| Analyte             | LOQ (%) | Result (mg/g) | (%)   | Analyte             | LOQ (%) | Result (mg/g) | (%)   |
|---------------------|---------|---------------|-------|---------------------|---------|---------------|-------|
| Terpinolene         | 0.002   | 7.088         | 0.709 | beta-Myrcene        | 0.002   | 6.017         | 0.602 |
| (R)-(+)-Limonene    | 0.002   | 2.648         | 0.265 | trans-Caryophyllene | 0.002   | 2.490         | 0.249 |
| Linalool            | 0.002   | 0.781         | 0.078 | alpha-Pinene        | 0.002   | 0.774         | 0.077 |
| beta-Pinene         | 0.002   | 0.724         | 0.072 | alpha-Humulene      | 0.002   | 0.571         | 0.057 |
| Ocimene             | 0.000   | <LOQ          |       | Guaiaol             | 0.002   | <LOQ          |       |
| Hexahydrothymol     | 0.002   | <LOQ          |       | Isoborneol          | 0.002   | <LOQ          |       |
| Isopulegol          | 0.002   | <LOQ          |       | Nerol               | 0.002   | <LOQ          |       |
| (+)-Cedrol          | 0.002   | <LOQ          |       | Pulegone            | 0.002   | <LOQ          |       |
| Geraniol            | 0.002   | <LOQ          |       | Sabinene            | 0.002   | <LOQ          |       |
| Sabinene Hydrate    | 0.002   | <LOQ          |       | Total Terpeneol     | 0.001   | <LOQ          |       |
| trans-Nerolidol     | 0.002   | <LOQ          |       | Geranyl acetate     | 0.002   | <LOQ          |       |
| Fenchone            | 0.002   | <LOQ          |       | 3-Carene            | 0.002   | <LOQ          |       |
| alpha-Bisabolol     | 0.002   | <LOQ          |       | alpha-Cedrene       | 0.002   | <LOQ          |       |
| alpha-Phellandrene  | 0.002   | <LOQ          |       | alpha-Terpinene     | 0.002   | <LOQ          |       |
| Gamma-Terpinene     | 0.002   | <LOQ          |       | Borneol             | 0.004   | <LOQ          |       |
| Camphene            | 0.002   | <LOQ          |       | Camphors            | 0.006   | <LOQ          |       |
| Caryophyllene oxide | 0.002   | <LOQ          |       | cis-Nerolidol       | 0.002   | <LOQ          |       |
| Eucalyptol          | 0.002   | <LOQ          |       | Farnesene           | 0.002   | <LOQ          |       |
| Fenchyl Alcohol     | 0.002   | <LOQ          |       | Valencene           | 0.002   | <LOQ          |       |

Total Terpenes: 2.109%

Xueli Gao  
Lab Toxicologist  
Ph.D., DABT

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



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### Heavy Metals

Specimen Weight: 251.100 mg

**Passed**  
(ICP-MS)

Dilution Factor: 2.000

| Analyte      | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte      | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|--------------------|--------------|--------------|-----------|--------------------|--------------|
| Arsenic (As) | 100       | 1500               | <LOQ         | Cadmium (Cd) | 100       | 500                | <LOQ         |
| Lead (Pb)    | 100       | 500                | <LOQ         | Mercury (Hg) | 100       | 3000               | <LOQ         |



### Mycotoxins

Specimen Weight: 199.800 mg

**Passed**  
(LCMS)

Dilution Factor: 7.508

| Analyte      | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte      | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|--------------------|--------------|--------------|-----------|--------------------|--------------|
| Aflatoxin B1 | 6         | 20                 | <LOQ         | Aflatoxin B2 | 6         | 20                 | <LOQ         |
| Aflatoxin G1 | 6         | 20                 | <LOQ         | Aflatoxin G2 | 6         | 20                 | <LOQ         |
| Ochratoxin A | 12        | 20                 | <LOQ         |              |           |                    |              |

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Lab Director/Principal Scientist



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### Pesticides FL V4

Specimen Weight: 199.800 mg

**Passed**  
(LCMS/GCMS)

Dilution Factor: 7.508

| Analyte             | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte                 | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|---------------------|-----------|--------------------|--------------|-------------------------|-----------|--------------------|--------------|
| Abamectin           | 28.23     | 300                | <LOQ         | Acephate                | 30        | 3000               | <LOQ         |
| Acequinocyl         | 48        | 2000               | <LOQ         | Acetamiprid             | 30        | 3000               | <LOQ         |
| Aldicarb            | 30        | 100                | <LOQ         | Azoxystrobin            | 10        | 3000               | <LOQ         |
| Bifenazate          | 30        | 3000               | <LOQ         | Bifenthrin              | 30        | 500                | <LOQ         |
| Boscalid            | 10        | 3000               | <LOQ         | Captan                  | 30        | 3000               | <LOQ         |
| Carbaryl            | 10        | 500                | <LOQ         | Carbofuran              | 10        | 100                | <LOQ         |
| Chlorantraniliprole | 10        | 3000               | <LOQ         | Chlordane               | 10        | 100                | <LOQ         |
| Chlorfenapyr        | 30        | 100                | <LOQ         | Chloromequat Chloride   | 10        | 3000               | <LOQ         |
| Chlorpyrifos        | 30        | 100                | <LOQ         | Clofentezine            | 30        | 500                | <LOQ         |
| Coumaphos           | 48        | 100                | <LOQ         | Cyfluthrin              | 30        | 1000               | <LOQ         |
| Cypermethrin        | 30        | 1000               | <LOQ         | Daminozide              | 30        | 100                | <LOQ         |
| Diazinon            | 30        | 200                | <LOQ         | Dichlorvos              | 30        | 100                | <LOQ         |
| Dimethoate          | 30        | 100                | <LOQ         | Dimethomorph            | 48        | 3000               | <LOQ         |
| Ethoprophos         | 30        | 100                | <LOQ         | Etofenprox              | 30        | 100                | <LOQ         |
| Etoxazole           | 30        | 1500               | <LOQ         | Fenhexamid              | 10        | 3000               | <LOQ         |
| Fenoxycarb          | 30        | 100                | <LOQ         | Fenpyroximate           | 30        | 2000               | <LOQ         |
| Fipronil            | 30        | 100                | <LOQ         | Flonicamid              | 30        | 2000               | <LOQ         |
| Fludioxonil         | 48        | 3000               | <LOQ         | Hexythiazox             | 30        | 2000               | <LOQ         |
| Imazalil            | 30        | 100                | <LOQ         | Imidacloprid            | 30        | 3000               | <LOQ         |
| Kresoxim Methyl     | 30        | 1000               | <LOQ         | Malathion               | 30        | 2000               | <LOQ         |
| Metaxalyl           | 10        | 3000               | <LOQ         | Methiocarb              | 30        | 100                | <LOQ         |
| Methomyl            | 30        | 100                | <LOQ         | methyl-Parathion        | 10        | 100                | <LOQ         |
| Mevinphos           | 10        | 100                | <LOQ         | Myclobutanil            | 30        | 3000               | <LOQ         |
| Naled               | 30        | 500                | <LOQ         | Oxamyl                  | 30        | 500                | <LOQ         |
| Paclobutrazol       | 30        | 100                | <LOQ         | Pentachloronitrobenzene | 10        | 200                | <LOQ         |
| Permethrin          | 30        | 1000               | <LOQ         | Phosmet                 | 30        | 200                | <LOQ         |
| Piperonylbutoxide   | 30        | 3000               | <LOQ         | Prallethrin             | 30        | 400                | <LOQ         |
| Propiconazole       | 30        | 1000               | <LOQ         | Propoxur                | 30        | 100                | <LOQ         |
| Pyrethrins          | 30        | 1000               | <LOQ         | Pyridaben               | 30        | 3000               | <LOQ         |
| Spinetoram          | 10        | 3000               | <LOQ         | Spinosad                | 30        | 3000               | <LOQ         |
| Spiromesifen        | 30        | 3000               | <LOQ         | Spirotetramat           | 30        | 3000               | <LOQ         |
| Spiroxamine         | 30        | 100                | <LOQ         | Tebuconazole            | 30        | 1000               | <LOQ         |
| Thiacloprid         | 30        | 100                | <LOQ         | Thiamethoxam            | 30        | 1000               | <LOQ         |
| Trifloxystrobin     | 30        | 3000               | <LOQ         |                         |           |                    |              |

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Ph.D., DABT  
Lab Toxicologist

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### Residual Solvents - FL (CBD)

Specimen Weight: 7.700 mg

Passed  
(GCMS)

Dilution Factor: 1.000

| Analyte            | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte            | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|--------------------|-----------|--------------------|--------------|--------------------|-----------|--------------------|--------------|
| 1,1-Dichloroethane | 0.16      | 8                  | <LOQ         | 1,2-Dichloroethane | 0.04      | 5                  | <LOQ         |
| Acetone            | 2.08      | 5000               | <LOQ         | Acetonitrile       | 1.17      | 410                | <LOQ         |
| Benzene            | 0.02      | 2                  | <LOQ         | Butanes            | 2.5       | 2000               | <LOQ         |
| Chloroform         | 0.04      | 60                 | <LOQ         | Ethanol            | 2.78      | 5000               | <LOQ         |
| Ethyl Acetate      | 1.11      | 5000               | <LOQ         | Ethyl Ether        | 1.39      | 5000               | <LOQ         |
| Ethylene Oxide     | 0.1       | 5                  | <LOQ         | Heptane            | 1.39      | 5000               | <LOQ         |
| Hexane             | 1.17      | 290                | <LOQ         | Isopropyl alcohol  | 1.39      | 500                | <LOQ         |
| Methanol           | 0.69      | 3000               | <LOQ         | Methylene chloride | 2.43      | 600                | <LOQ         |
| Pentane            | 2.08      | 5000               | <LOQ         | Propane            | 5.83      | 2100               | <LOQ         |
| Toluene            | 2.92      | 890                | <LOQ         | Total Xylenes      | 2.92      | 2170               | <LOQ         |
| Trichloroethylene  | 0.49      | 80                 | <LOQ         |                    |           |                    |              |



### Listeria Monocytogenes

Specimen Weight: 1017.400 mg

Passed  
(qPCR)

Dilution Factor: 1.000

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

Xueli Gao  
Lab Toxicologist  
Ph.D., DABT

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



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### Pathogenic SAE (qPCR)

Specimen Weight: 259.930 mg

**Passed**  
(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  | E.Coli     | 1                    | Absence in 1g  |
|                                                 |                      |                | Salmonella | 1                    | Absence in 1g  |

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Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), \*Total 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), \*Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, \*Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC, \*Total THC-O-Acetate = Delta 8 THC-O-Acetate + THC-O-Acetate, \*Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (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, \*Measurement of Uncertainty = +/- 10%

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