



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

## Certificate of Analysis

Compliance Test

**PANTHER CITY  
PROCESSING**  
11842 S SOONER RD  
EDMOND, OK 73034

Batch # 14MAY21.GM20-01CH  
Batch Date: 2021-05-14  
Extracted From: hemp

Sampling Method: MSP 7.3.1 Test Reg  
State: Florida

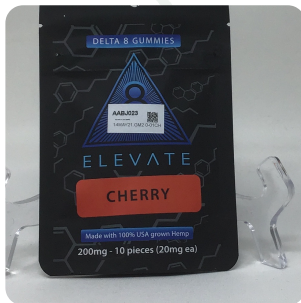
Production Facility: Panther City  
Processing  
Production Date: 2021-05-14

Order # PAN210517-010025  
Order Date: 2021-05-17  
Sample # AABJ023

Sampling Date: 2021-05-25  
Lab Batch Date: 2021-05-25  
Completion Date: 2021-06-08

Initial Gross Weight: 41.085 g  
Net Weight: 35.484 g

Number of Units: 1  
Net Weight per Unit: 35484.000 mg



Product Image



Potency  
Tested



Terpenes  
Tested



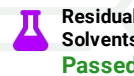
Heavy Metals  
Passed



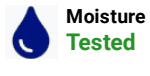
Mycotoxins  
Passed



Pesticides  
Passed



Residual  
Solvents  
Passed



Moisture  
Tested



Water Activity  
Tested



Pathogenic  
Microbiology  
Passed



Listeria  
Monocytogenes  
Passed



### Delta 8/Delta 10 Potency 12

Tested  
(LCUV)

Specimen Weight: 1514.600 mg

| Analyte      | Dilution (1:n) | LOD (%)  | LOQ (%) | Result (mg/g) | (%)   |
|--------------|----------------|----------|---------|---------------|-------|
| Delta-8 THC  | 10.000         | 0.000026 | 0.001   | 5.857         | 0.586 |
| Delta-10 THC | 1000.000       | 0.000003 | 0.001   |               | <LOQ  |
| Delta-9 THC  | 10.000         | 0.000013 | 0.001   |               | <LOQ  |
| CBC          | 10.000         | 0.000018 | 0.001   |               | <LOQ  |
| CBD          | 10.000         | 0.000054 | 0.001   |               | <LOQ  |
| THCV         | 10.000         | 0.000007 | 0.001   |               | <LOQ  |
| THCA-A       | 10.000         | 0.000032 | 0.001   |               | <LOQ  |
| CBN          | 10.000         | 0.000014 | 0.001   |               | <LOQ  |
| CBGA         | 10.000         | 0.000008 | 0.001   |               | <LOQ  |
| CBG          | 10.000         | 0.000248 | 0.001   |               | <LOQ  |
| CBDV         | 10.000         | 0.000065 | 0.001   |               | <LOQ  |
| CBDa         | 10.000         | 0.000001 | 0.001   |               | <LOQ  |



### Potency Summary

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Total Delta 8<br>0.586% 207.830mg   | 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>0.586% 207.830mg |



### Terpenes Summary

| Analyte                | Result (mg/ml) (%) |
|------------------------|--------------------|
| Total Terpenes: 0.000% |                    |

Detailed Terpenes Analysis is on the following page

Xueli Gao  
Lab Toxicologist  
Ph.D., DABT

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



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, \*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 = +/- 5%

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State: Florida

Production Facility: Panther City  
Processing  
Production Date: 2021-05-14

Order # PAN210517-010025  
Order Date: 2021-05-17  
Sample # AABJ023

Sampling Date: 2021-05-25  
Lab Batch Date: 2021-05-25  
Completion Date: 2021-06-08

Initial Gross Weight: 41.085 g  
Net Weight: 35.484 g

Number of Units: 1  
Net Weight per Unit: 35484.000 mg



### Terpenes - FL

Specimen Weight: 1908.900 mg

Tested  
(GC/GCMS)

Dilution Factor: 5000.000

| Analyte             | LOQ (%) | Result (mg/g) | (%) | Analyte          | LOQ (%) | Result (mg/g) | (%) |
|---------------------|---------|---------------|-----|------------------|---------|---------------|-----|
| (+)-Cedrol          | 0.02    | <LOQ          |     | Nerol            | 0.02    | <LOQ          |     |
| Geraniol            | 0.02    | <LOQ          |     | Geranyl acetate  | 0.02    | <LOQ          |     |
| Guaiaol             | 0.02    | <LOQ          |     | Hexahydrothymol  | 0.02    | <LOQ          |     |
| Isoborneol          | 0.02    | <LOQ          |     | Isopulegol       | 0.02    | <LOQ          |     |
| Linalool            | 0.02    | <LOQ          |     | Ocimene          | 0.014   | <LOQ          |     |
| Fenchyl Alcohol     | 0.02    | <LOQ          |     | Pulegone         | 0.02    | <LOQ          |     |
| Sabinene            | 0.02    | <LOQ          |     | Sabinene Hydrate | 0.02    | <LOQ          |     |
| Terpineol           | 0.02    | <LOQ          |     | Terpinolene      | 0.02    | <LOQ          |     |
| trans-Caryophyllene | 0.02    | <LOQ          |     | trans-Nerolidol  | 0.02    | <LOQ          |     |
| Gamma-Terpinene     | 0.02    | <LOQ          |     | Fenchone         | 0.02    | <LOQ          |     |
| (R)-(+)-Limonene    | 0.02    | <LOQ          |     | alpha-Terpinene  | 0.02    | <LOQ          |     |
| 3-Carene            | 0.02    | <LOQ          |     | alpha-Bisabolol  | 0.02    | <LOQ          |     |
| alpha-Cedrene       | 0.02    | <LOQ          |     | alpha-Humulene   | 0.02    | <LOQ          |     |
| alpha-Phellandrene  | 0.02    | <LOQ          |     | alpha-Pinene     | 0.02    | <LOQ          |     |
| Farnesene           | 0.02    | <LOQ          |     | beta-Myrcene     | 0.02    | <LOQ          |     |
| beta-Pinene         | 0.02    | <LOQ          |     | Borneol          | 0.04    | <LOQ          |     |
| Camphene            | 0.02    | <LOQ          |     | Camphors         | 0.04    | <LOQ          |     |
| Caryophyllene oxide | 0.02    | <LOQ          |     | cis-Nerolidol    | 0.02    | <LOQ          |     |
| Eucalyptol          | 0.02    | <LOQ          |     | Valencene        | 0.02    | <LOQ          |     |

Total Terpenes: 0.000%

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Lab Toxicologist

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delta 8 cherry gummy  
Sample Matrix:  
CBD/HEMP  
Edibles  
(Ingestion)



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Sample # AABJ023

Sampling Date: 2021-05-25  
Lab Batch Date: 2021-05-25  
Completion Date: 2021-06-08

Initial Gross Weight: 41.085 g  
Net Weight: 35.484 g

Number of Units: 1  
Net Weight per Unit: 35484.000 mg

### H Heavy Metals Passed (ICP-MS)

Specimen Weight: 248.500 mg

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                | 399.000      | Mercury (Hg) | 100       | 3000               | <LOQ         |

### Mycotoxins Passed (LCMS)

Specimen Weight: 170.600 mg

Dilution Factor: 8.793

| 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 Toxicologist

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Lab Director/Principal Scientist



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Net Weight: 35.484 g

Number of Units: 1  
Net Weight per Unit: 35484.000 mg



### Pesticides FL V4

Specimen Weight: 170.600 mg

**Passed**  
(LCMS/GCMS)

Dilution Factor: 8.793

| 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         | Acetamid                | 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         | Chlormequat Chloride    | 10        | 3000               | <LOQ         |
| Chlorpyrifos        | 30        | 100                | <LOQ         | Clofentazine            | 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         |
| Metaxyl             | 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         |                         |           |                    |              |

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

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D.H.Sc., M.Sc., B.Sc., MT (AAB)  
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delta 8 cherry gummy  
Sample Matrix:  
CBD/HEMP  
Edibles  
(Ingestion)



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Initial Gross Weight: 41.085 g  
Net Weight: 35.484 g

Number of Units: 1  
Net Weight per Unit: 35484.000 mg

### Residual Solvents - FL (CBD) Passed (GCMS)

Specimen Weight: 14.200 mg

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               | Passed       |
| 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         |                    |           |                    |              |

### Moisture Tested (Moisture Meter)

Net Weight: 35.484 g

Dilution Factor: 1.000

| Analyte  | Action Level (%) | Result (%) |
|----------|------------------|------------|
| Moisture | 15               | 1.910      |

*Xueli Gao*  
Xueli Gao Lab Toxicologist  
Ph.D., DABT

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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### Water Activity

Specimen Weight: 0.500 g

**Tested**  
(Water Activity Analyzer)

Dilution Factor: 1.000

| Analyte        | Action Level (aw) | Result (aw) |
|----------------|-------------------|-------------|
| Water Activity | 0.85              | 0.776       |



### Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1010.500 mg

**Passed**  
(Micro Array)

Dilution Factor: 1.000

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

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

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



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, \*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 = +/- 5%



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delta 8 cherry gummy  
Sample Matrix:  
CBD/HEMP  
Edibles  
(Ingestion)



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

## Certificate of Analysis

Compliance Test

**PANTHER CITY  
PROCESSING**  
11842 S SOONER RD  
EDMOND, OK 73034

Batch # 14MAY21.GM20-01CH  
Batch Date: 2021-05-14  
Extracted From: hemp

Sampling Method: MSP 7.3.1 Test Reg  
State: Florida

Production Facility: Panther City  
Processing  
Production Date: 2021-05-14

Order # PAN210517-010025  
Order Date: 2021-05-17  
Sample # AABJ023

Sampling Date: 2021-05-25  
Lab Batch Date: 2021-05-25  
Completion Date: 2021-06-08

Initial Gross Weight: 41.085 g  
Net Weight: 35.484 g

Number of Units: 1  
Net Weight per Unit: 35484.000 mg



### Listeria Monocytogenes

Specimen Weight: 973.800 mg

**Passed**  
(qPCR)

Dilution Factor: 1.000

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

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