Date Received: 11/07/2024 Date Completed: 11/11/2024



# **CERTIFICATE OF ANALYSIS**

#### **Summary of Results**

| Analysis Type     | SOP            | Date Tested | <u>Status</u> |
|-------------------|----------------|-------------|---------------|
| Cannabinoids      | EA-SOP-POTENCY | 11/07/2024  | Complete      |
| Heavy Metals      | EA-SOP-HM      | 11/07/2024  | Pass          |
| Microbials        | EA-SOP-ARIA    | 11/08/2024  | Pass          |
| Mycotoxins        | EA-SOP-MYCO    | 11/11/2024  | Pass          |
| Residual Solvents | EA-SOP-RES     | 11/10/2024  | Pass          |
| Pesticides        | EA-SOP-PEST    | 11/11/2024  | Pass          |
|                   |                |             |               |



Unit Size (g): 4.47

#### POTENCY CANNABINOID PROFILE

| Total THC             | Total CBD           |
|-----------------------|---------------------|
| THCA * 0.877 + D9-THC | CBDA * 0.877 + CBD  |
| 5.99 mg/gummy         | <loq< th=""></loq<> |
|                       | · · ·               |

| <u>Analyte</u>                        | <u>Result (mg/g)</u>   | <u>mg/unit</u>   | <u>w/w %</u>                               | LOQ (ppm) | LOD (ppm) |
|---------------------------------------|--|--|--|-----------|-----------|
| CANNABIDIVARIN (CBDV)                 | <loq< th=""><th><loq< th=""><th><loq< th=""><th>100</th><th>30</th></loq<></th></loq<></th></loq<> | <loq< th=""><th><loq< th=""><th>100</th><th>30</th></loq<></th></loq<> | <loq< th=""><th>100</th><th>30</th></loq<> | 100       | 30        |
| CANNABICHROMENE (CBC)                 | ND   | ND   | ND   | 100       | 30        |
| CANNABIGEROL (CBG)                    | ND   | ND   | ND   | 100       | 30        |
| CANNABINOL (CBN)                      | <loq< th=""><th><loq< th=""><th><loq< th=""><th>100</th><th>30</th></loq<></th></loq<></th></loq<> | <loq< th=""><th><loq< th=""><th>100</th><th>30</th></loq<></th></loq<> | <loq< th=""><th>100</th><th>30</th></loq<> | 100       | 30        |
| CANNABIDIOL (CBD)                     | <loq< th=""><th><loq< th=""><th><loq< th=""><th>100</th><th>30</th></loq<></th></loq<></th></loq<> | <loq< th=""><th><loq< th=""><th>100</th><th>30</th></loq<></th></loq<> | <loq< th=""><th>100</th><th>30</th></loq<> | 100       | 30        |
| CANNABIDIOLIC ACID (CBDA)             | ND   | ND   | ND   | 100       | 30        |
| Δ9-TETRAHYDROCANNABINOLIC ACID (THCA) | ND   | ND   | ND   | 100       | 30        |
| Δ9-TETRAHYDROCANNABINOL (D9-THC)      | 1.34   | 5.99   | 0.13                                       | 100       | 30        |
| Δ8-TETRAHYDROCANNABINOL (D8-THC)      | 0.23   | 1.03   | 0.02                                       | 100       | 30        |
| 9R-HEXAHYDROCANNABINOL (9R-HHC)       | 0.90   | 4.02   | 0.09                                       | 100       | 30        |
| 9S-HEXAHYDROCANNABINOL (9S-HHC)       | 0.44   | 1.98   | 0.04                                       | 100       | 30        |
| R-Δ10-TETRAHYDROCANNABINOL (D10-THC)  | 2.07   | 9.27   | 0.21                                       | 100       | 30        |
| S-Δ10-TETRAHYDROCANNABINOL (D10-THC)  | 0.45   | 2.03   | 0.05                                       | 100       | 30        |

NOTES:

ND = NOT DETECTED; LOD = LIMIT OF DETECTION; LOQ = LIMIT OF QUANTIFICATION

The cannabinoid potency reported above was analyzed via High Performance Liquid Chromatography (HPLC) using Variable Wavelength Detection (VWD).



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## **CERTIFICATE OF ANALYSIS**

#### **Heavy Metal Analysis**

| Analyte | <u>Result (ppm)</u>  | LOQ (ppm) | LOD (ppm) | <u>Limit (ppm)</u> | Pass/Fail |
|---------|--|-----------|-----------|--------------------|-----------|
| Arsenic | <loq< th=""><th>0.010</th><th>0.005</th><th>1.5</th><th>Pass</th></loq<> | 0.010     | 0.005     | 1.5                | Pass      |
| Cadmium | <lod< th=""><th>0.010</th><th>0.005</th><th>0.5</th><th>Pass</th></lod<> | 0.010     | 0.005     | 0.5                | Pass      |
| Lead    | 0.024  | 0.010     | 0.005     | 0.5                | Pass      |
| Mercury | <lod< th=""><th>0.010</th><th>0.005</th><th>3.0</th><th>Pass</th></lod<> | 0.010     | 0.005     | 3.0                | Pass      |

### **Microbiological Analysis**

| Microbe                    | <u>Result</u> | <u>Limit</u> | Pass/Fail |
|----------------------------|---------------|--------------|-----------|
| Aspergillus Flavus         | Negative/1g   | Negative/1g  | Pass      |
| Aspergillus Fumigatus      | Negative/1g   | Negative/1g  | Pass      |
| Aspergillus Niger          | Negative/1g   | Negative/1g  | Pass      |
| Aspergillus Terreus        | Negative/1g   | Negative/1g  | Pass      |
| Escherichia Coli (E. Coli) | Negative/1g   | Negative/1g  | Pass      |
| Salmonella                 | Negative/1g   | Negative/1g  | Pass      |
| Yeast/Mold                 | Not Detected  | -            | Pass      |
| NOTES:                     |               |              |           |

CFU = Colony Forming Unit NS = Not Specified NT = Not Tested

LOQ = Limit of Quantification LOD = Limit of Detection



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## **CERTIFICATE OF ANALYSIS**

### **Mycotoxins**

| Analyte          | <u>Result (ppb)</u>  | LOD (ppb) | LOQ (ppb) | <u>Limit (ppb)</u> | Pass/Fail |
|------------------|--|-----------|-----------|--------------------|-----------|
| Aflatoxin B1     | <lod< th=""><th>3.0</th><th>9.0</th><th>-</th><th>-</th></lod<>      | 3.0       | 9.0       | -                  | -         |
| Aflatoxin B2     | <lod< th=""><th>2.0</th><th>9.0</th><th>-</th><th>-</th></lod<>      | 2.0       | 9.0       | -                  | -         |
| Aflatoxin G1     | <lod< th=""><th>3.0</th><th>9.0</th><th>-</th><th>-</th></lod<>      | 3.0       | 9.0       | -                  | -         |
| Aflatoxin G2     | <lod< th=""><th>2.0</th><th>6.0</th><th>-</th><th>-</th></lod<>      | 2.0       | 6.0       | -                  | -         |
| Ochratoxin A     | <lod< th=""><th>4.0</th><th>12.0</th><th>20</th><th>Pass</th></lod<> | 4.0       | 12.0      | 20                 | Pass      |
| Total Aflatoxins | <lod< th=""><th></th><th></th><th>20</th><th>Pass</th></lod<>        |           |           | 20                 | Pass      |

#### **Residual Solvent Analysis**

| Analyte             | <u>Result (ppm)</u>  | LOD (ppm) | LOQ (ppm) | <u>Limit (ppm)</u> | Pass/Fail |
|---------------------|--|-----------|-----------|--------------------|-----------|
| 1,2-Dichloro-Ethane | <lod< td=""><td>0.10</td><td>0.30</td><td>1</td><td>Pass</td></lod<> | 0.10      | 0.30      | 1                  | Pass      |
| Benzene             | <lod< td=""><td>0.03</td><td>0.10</td><td>1</td><td>Pass</td></lod<> | 0.03      | 0.10      | 1                  | Pass      |
| Chloroform          | <lod< td=""><td>0.03</td><td>0.10</td><td>1</td><td>Pass</td></lod<> | 0.03      | 0.10      | 1                  | Pass      |
| Ethylene Oxide      | <lod< td=""><td>0.20</td><td>0.60</td><td>1</td><td>Pass</td></lod<> | 0.20      | 0.60      | 1                  | Pass      |
| Methylene-Chloride  | <lod< td=""><td>0.10</td><td>0.80</td><td>1</td><td>Pass</td></lod<> | 0.10      | 0.80      | 1                  | Pass      |
| Trichloroethene     | <lod< td=""><td>0.03</td><td>0.20</td><td>1</td><td>Pass</td></lod<> | 0.03      | 0.20      | 1                  | Pass      |
| Acetone             | <lod< td=""><td>1</td><td>60</td><td>5000</td><td>Pass</td></lod<>   | 1         | 60        | 5000               | Pass      |
| Acetonitrile        | <lod< td=""><td>1</td><td>5</td><td>410</td><td>Pass</td></lod<>     | 1         | 5         | 410                | Pass      |
| Butane              | <lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>    | 1         | 5         | 5000               | Pass      |
| Ethanol             | <lod< td=""><td>3</td><td>10</td><td>5000</td><td>Pass</td></lod<>   | 3         | 10        | 5000               | Pass      |
| Ethyl-Acetate       | <lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>    | 1         | 5         | 5000               | Pass      |
| Ethyl-Ether         | <lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>    | 1         | 5         | 5000               | Pass      |
| Heptane             | <lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>    | 1         | 5         | 5000               | Pass      |
| n-Hexane            | <lod< td=""><td>1</td><td>5</td><td>290</td><td>Pass</td></lod<>     | 1         | 5         | 290                | Pass      |
| Isopropanol         | <lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>    | 1         | 5         | 5000               | Pass      |
| Methanol            | <lod< td=""><td>1</td><td>5</td><td>3000</td><td>Pass</td></lod<>    | 1         | 5         | 3000               | Pass      |
| Pentane             | <lod< td=""><td>2</td><td>5</td><td>5000</td><td>Pass</td></lod<>    | 2         | 5         | 5000               | Pass      |
| Propane             | <lod< td=""><td>5</td><td>10</td><td>5000</td><td>Pass</td></lod<>   | 5         | 10        | 5000               | Pass      |
| Toluene             | <lod< td=""><td>1</td><td>5</td><td>890</td><td>Pass</td></lod<>     | 1         | 5         | 890                | Pass      |
| Xylenes             | <lod< td=""><td>1</td><td>5</td><td>2170</td><td>Pass</td></lod<>    | 1         | 5         | 2170               | Pass      |



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## **CERTIFICATE OF ANALYSIS**

### **Category 1 Pesticide Analysis**

| Analyte          | <u>Result (ppm)</u>  | LOD (ppm) | LOQ (ppm) | Pass/Fail |
|------------------|--|-----------|-----------|-----------|
| Aldicarb         | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Carbofuran       | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Chlordane        | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Chlorfenapyr     | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Chlorpyrifos     | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Coumaphos        | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Daminozide       | <lod< td=""><td>0.030</td><td>0.080</td><td>Pass</td></lod<> | 0.030     | 0.080     | Pass      |
| Dichlorvos       | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Dimethoate       | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Ethoprophos      | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Etofenprox       | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Fenoxycarb       | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Fipronil         | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Imazalil         | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Methiocarb       | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Mevinphos        | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Paclobutrazol    | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Parathion Methyl | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Propoxur         | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Spiroxamine      | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |
| Thiacloprid      | <lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<> | 0.025     | 0.075     | Pass      |



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## **CERTIFICATE OF ANALYSIS**

#### **Category 2 Pesticide Analysis**

| <u>Analyte</u>      | <u>Result (ppm)</u>  | LOD (ppm) | LOQ (ppm) | <u>Limit (ppm)</u> | Pass/Fail |
|---------------------|--|-----------|-----------|--------------------|-----------|
| Abamectin           | <lod< td=""><td>0.010</td><td>0.050</td><td>0.3</td><td>Pass</td></lod<> | 0.010     | 0.050     | 0.3                | Pass      |
| Acephate            | <lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>   | 0.020     | 0.050     | 5                  | Pass      |
| Acequinocyl         | <lod< td=""><td>0.020</td><td>0.075</td><td>4</td><td>Pass</td></lod<>   | 0.020     | 0.075     | 4                  | Pass      |
| Acetamiprid         | <lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>   | 0.020     | 0.050     | 5                  | Pass      |
| Azoxystrobin        | <lod< td=""><td>0.010</td><td>0.050</td><td>40</td><td>Pass</td></lod<>  | 0.010     | 0.050     | 40                 | Pass      |
| Bifenazate          | <lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>   | 0.020     | 0.050     | 5                  | Pass      |
| Bifenthrin          | <lod< td=""><td>0.020</td><td>0.050</td><td>0.5</td><td>Pass</td></lod<> | 0.020     | 0.050     | 0.5                | Pass      |
| Boscalid            | <lod< td=""><td>0.020</td><td>0.075</td><td>10</td><td>Pass</td></lod<>  | 0.020     | 0.075     | 10                 | Pass      |
| Captan              | <lod< td=""><td>0.150</td><td>0.400</td><td>5</td><td>Pass</td></lod<>   | 0.150     | 0.400     | 5                  | Pass      |
| Carbaryl            | <lod< td=""><td>0.020</td><td>0.050</td><td>0.5</td><td>Pass</td></lod<> | 0.020     | 0.050     | 0.5                | Pass      |
| Chlorantraniliprole | <lod< td=""><td>0.025</td><td>0.075</td><td>40</td><td>Pass</td></lod<>  | 0.025     | 0.075     | 40                 | Pass      |
| Clofentezine        | <lod< td=""><td>0.020</td><td>0.050</td><td>0.5</td><td>Pass</td></lod<> | 0.020     | 0.050     | 0.5                | Pass      |
| Cyfluthrin          | <lod< td=""><td>0.020</td><td>0.075</td><td>1</td><td>Pass</td></lod<>   | 0.020     | 0.075     | 1                  | Pass      |
| Cypermethrin        | <lod< td=""><td>0.020</td><td>0.050</td><td>1</td><td>Pass</td></lod<>   | 0.020     | 0.050     | 1                  | Pass      |
| Diazinon            | <lod< td=""><td>0.010</td><td>0.050</td><td>0.2</td><td>Pass</td></lod<> | 0.010     | 0.050     | 0.2                | Pass      |
| Dimethomorph        | <lod< td=""><td>0.020</td><td>0.050</td><td>20</td><td>Pass</td></lod<>  | 0.020     | 0.050     | 20                 | Pass      |
| Etoxazole           | <lod< td=""><td>0.010</td><td>0.050</td><td>1.5</td><td>Pass</td></lod<> | 0.010     | 0.050     | 1.5                | Pass      |
| Fenhexamid          | <lod< td=""><td>0.020</td><td>0.050</td><td>10</td><td>Pass</td></lod<>  | 0.020     | 0.050     | 10                 | Pass      |
| Fenpyroximate       | <lod< td=""><td>0.010</td><td>0.050</td><td>2</td><td>Pass</td></lod<>   | 0.010     | 0.050     | 2                  | Pass      |
| Flonicamid          | <lod< td=""><td>0.030</td><td>0.090</td><td>2</td><td>Pass</td></lod<>   | 0.030     | 0.090     | 2                  | Pass      |
| Fludioxonil         | <lod< td=""><td>0.020</td><td>0.050</td><td>30</td><td>Pass</td></lod<>  | 0.020     | 0.050     | 30                 | Pass      |
| Hexythiazox         | <lod< td=""><td>0.030</td><td>0.090</td><td>2</td><td>Pass</td></lod<>   | 0.030     | 0.090     | 2                  | Pass      |
| midacloprid         | <lod< td=""><td>0.030</td><td>0.075</td><td>3</td><td>Pass</td></lod<>   | 0.030     | 0.075     | 3                  | Pass      |



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## **CERTIFICATE OF ANALYSIS**

### **Category 2 Pesticide Analysis Continued**

| Analyte                 | <u>Result (ppm)</u>  | LOD (ppm) | LOQ (ppm) | <u>Limit (ppm)</u> | Pass/Fail |
|-------------------------|--|-----------|-----------|--------------------|-----------|
| Kresoxim Methyl         | <lod< td=""><td>0.020</td><td>0.050</td><td>1</td><td>Pass</td></lod<>   | 0.020     | 0.050     | 1                  | Pass      |
| Malathion               | <lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>   | 0.020     | 0.050     | 5                  | Pass      |
| Metalaxyl               | <lod< td=""><td>0.010</td><td>0.050</td><td>15</td><td>Pass</td></lod<>  | 0.010     | 0.050     | 15                 | Pass      |
| Methomyl                | <lod< td=""><td>0.020</td><td>0.050</td><td>0.1</td><td>Pass</td></lod<> | 0.020     | 0.050     | 0.1                | Pass      |
| Myclobutanil            | <lod< td=""><td>0.020</td><td>0.075</td><td>9</td><td>Pass</td></lod<>   | 0.020     | 0.075     | 9                  | Pass      |
| Naled                   | <lod< td=""><td>0.020</td><td>0.075</td><td>0.5</td><td>Pass</td></lod<> | 0.020     | 0.075     | 0.5                | Pass      |
| Oxamyl                  | <lod< td=""><td>0.020</td><td>0.050</td><td>0.3</td><td>Pass</td></lod<> | 0.020     | 0.050     | 0.3                | Pass      |
| Pentachloronitrobenzene | <lod< td=""><td>0.020</td><td>0.075</td><td>0.2</td><td>Pass</td></lod<> | 0.020     | 0.075     | 0.2                | Pass      |
| Permethrin              | <lod< td=""><td>0.010</td><td>0.050</td><td>20</td><td>Pass</td></lod<>  | 0.010     | 0.050     | 20                 | Pass      |
| Phosmet                 | <lod< td=""><td>0.020</td><td>0.050</td><td>0.2</td><td>Pass</td></lod<> | 0.020     | 0.050     | 0.2                | Pass      |
| Piperonyl Butoxide      | <lod< td=""><td>0.010</td><td>0.050</td><td>8</td><td>Pass</td></lod<>   | 0.010     | 0.050     | 8                  | Pass      |
| Prallethrin             | <lod< td=""><td>0.025</td><td>0.075</td><td>0.4</td><td>Pass</td></lod<> | 0.025     | 0.075     | 0.4                | Pass      |
| Propiconazole           | <lod< td=""><td>0.020</td><td>0.075</td><td>20</td><td>Pass</td></lod<>  | 0.020     | 0.075     | 20                 | Pass      |
| Pyrethrins              | <lod< td=""><td>0.010</td><td>0.050</td><td>1</td><td>Pass</td></lod<>   | 0.010     | 0.050     | 1                  | Pass      |
| Pyridaben               | <lod< td=""><td>0.020</td><td>0.050</td><td>3</td><td>Pass</td></lod<>   | 0.020     | 0.050     | 3                  | Pass      |
| Spinetoram              | <lod< td=""><td>0.010</td><td>0.050</td><td>3</td><td>Pass</td></lod<>   | 0.010     | 0.050     | 3                  | Pass      |
| Spinosad                | <lod< td=""><td>0.010</td><td>0.050</td><td>3</td><td>Pass</td></lod<>   | 0.010     | 0.050     | 3                  | Pass      |
| Spiromesifen            | <lod< td=""><td>0.020</td><td>0.050</td><td>12</td><td>Pass</td></lod<>  | 0.020     | 0.050     | 12                 | Pass      |
| Spirotetramat           | <lod< td=""><td>0.020</td><td>0.050</td><td>13</td><td>Pass</td></lod<>  | 0.020     | 0.050     | 13                 | Pass      |
| Tebuconazole            | <lod< td=""><td>0.020</td><td>0.050</td><td>2</td><td>Pass</td></lod<>   | 0.020     | 0.050     | 2                  | Pass      |
| Thiamethoxam            | <lod< td=""><td>0.020</td><td>0.075</td><td>4.5</td><td>Pass</td></lod<> | 0.020     | 0.075     | 4.5                | Pass      |
| Trifloxystrobin         | <lod< td=""><td>0.010</td><td>0.050</td><td>30</td><td>Pass</td></lod<>  | 0.010     | 0.050     | 30                 | Pass      |



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