Date Received: 08/01/2023 Date Completed: 08/11/2023



CERTIFICATE OF ANALYSIS

Summary of Results

| Analysis Type | SOP | Date Tested | <u>Status</u> |
|-------------------|----------------|-------------|---------------|
| Cannabinoids | EA-SOP-POTENCY | 08/04/2023 | Complete |
| Heavy Metals | EA-SOP-HM | 08/09/2023 | Pass |
| Microbials | EA-SOP-ARIA | 08/10/2023 | Pass |
| Mycotoxins | EA-SOP-MYCO | 08/11/2023 | Pass |
| Residual Solvents | EA-SOP-RES | 08/10/2023 | Pass |
| Pesticides | EA-SOP-PEST | 08/11/2023 | Pass |



Unit Size (g): 142

POTENCY CANNABINOID PROFILE

| Total THC THCA * 0.877 + D9-THC | | Total CBD CBDA * 0.877 + CBD | | | |
|---------------------------------------|--|--|--|-----------|-----------|
| ND | 219.06 mg/unit | | | | |
| Analyte | Result (mg/g) | mg/unit | <u>w/w%</u> | LOQ (ppm) | LOD (ppm) |
| CANNABIDIVARIN (CBDV) | <loq< td=""><td><loq< td=""><td><loq< td=""><td>100</td><td>30</td></loq<></td></loq<></td></loq<> | <loq< td=""><td><loq< td=""><td>100</td><td>30</td></loq<></td></loq<> | <loq< td=""><td>100</td><td>30</td></loq<> | 100 | 30 |
| CANNABICHROMENE (CBC) | ND | ND | ND | 100 | 30 |
| CANNABIGEROL (CBG) | ND | ND | ND | 100 | 30 |
| CANNABINOL (CBN) | ND | ND | ND | 100 | 30 |
| CANNABIDIOL (CBD) | 1.54 | 219.06 | 0.15 | 100 | 30 |
| CANNABIDIOLIC ACID (CBDA) | ND | ND | ND | 100 | 30 |
| Δ9-TETRAHYDROCANNABINOLIC ACID (THCA) | ND | ND | ND | 100 | 30 |
| Δ9-TETRAHYDROCANNABINOL (D9-THC) | ND | ND | ND | 100 | 30 |
| Δ8-TETRAHYDROCANNABINOL (D8-THC) | ND | ND | ND | 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 | 0.019 | 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 |
| NOTEC | | | |

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 |
|-------------------------|--|-----------|-----------|--------------------|-----------|
| L,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 |
| Viethylene-Chloride | <lod< td=""><td>0.10</td><td>0.80</td><td>1</td><td>Pass</td></lod<> | 0.10 | 0.80 | 1 | Pass |
| Frichlor oethene | <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 | <loq< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></loq<> | 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 |
| leptane | <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 |
| sopropanol | <lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<> | 1 | 5 | 5000 | Pass |
| Viethanol | <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 |
| (ylenes | <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

| <u>Analyte</u> | <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

| Analyte | <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 |
| enhexamid | <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 |
| lonicamid | <lod< td=""><td>0.030</td><td>0.090</td><td>2</td><td>Pass</td></lod<> | 0.030 | 0.090 | 2 | Pass |
| Iudioxonil | <lod< td=""><td>0.020</td><td>0.050</td><td>30</td><td>Pass</td></lod<> | 0.020 | 0.050 | 30 | Pass |
| lexythiazox | <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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