



# Rec Roots

1060 Magee St.  
 Elmira, NY, 14901  
 Info@recrootsny.com  
 (607)426-9025  
 License #: OMC-AUCC-22-000158

# Certificate of Analysis

Final



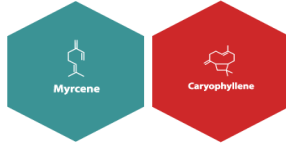
Sample #: 5234

Unicorn Microdots

| Compound   | CAS#       | LOQ (%)  | %       | mg/g   | Relative Concentration           |
|------------|------------|----------|---------|--------|----------------------------------|
| THCa       |            | 0.001000 | 21.11   | 211.1  | <div style="width: 100%;"></div> |
| d9-THC     |            | 0.001000 | 1.701   | 17.01  | <div style="width: 10%;"></div>  |
| CBGa       |            | 0.001000 | 0.8424  | 8.424  | <div style="width: 5%;"></div>   |
| CBG        |            | 0.001000 | 0.07638 | 0.7638 | <div style="width: 1%;"></div>   |
| CBDa       |            | 0.001000 | 0.07376 | 0.7376 | <div style="width: 1%;"></div>   |
| CBC        |            | 0.001000 | 0.03894 | 0.3894 | <div style="width: 0.5%;"></div> |
| CBDV       |            | 0.001000 | ND      | ND     |                                  |
| THCV       |            | 0.001000 | ND      | ND     |                                  |
| CBD        |            | 0.001000 | ND      | ND     |                                  |
| CBN        |            | 0.001000 | ND      | ND     |                                  |
| d8-THC     |            | 0.001000 | ND      | ND     |                                  |
| d10/R9-THC | 95543-62-7 | 0.001000 | ND      | ND     |                                  |
| d10/S9-THC | 95588-87-7 | 0.001000 | ND      | ND     |                                  |

## Terpenes by HS-GC-MS

Date Completed: 07/08/2024 12:10PM



| Compound           | CAS#      | LOQ (%) | %      | Relative Concentration           |
|--------------------|-----------|---------|--------|----------------------------------|
| Farnesene          | 502-61-4  | 0.1000  | 0.1819 | <div style="width: 100%;"></div> |
| Beta-myrcene       | 123-35-3  | 0.1000  | 0.1267 | <div style="width: 85%;"></div>  |
| Beta-caryophyllene | 87-44-5   | 0.1000  | 0.1154 | <div style="width: 80%;"></div>  |
| Limonene           | 5989-27-5 | 0.1000  | ND     |                                  |
| Alpha-pinene       | 80-56-8   | 0.1000  | ND     |                                  |
| Alpha-humulene     | 6753-98-6 | 0.1000  | ND     |                                  |
| Linalool           | 78-70-6   | 0.1000  | ND     |                                  |
| Beta-pinene        | 127-91-3  | 0.1000  | ND     |                                  |

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*Kelly Greenland*

Dr. Kelly Greenland, Lab Director



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| Compound            | CAS#       | LOQ (%) | %  | Relative Concentration |
|---------------------|------------|---------|----|------------------------|
| Terpinolene         | 586-62-9   | 0.1000  | ND |                        |
| Borneol             | 464-45-9   | 0.1000  | ND |                        |
| Ocimene             | 13877-91-3 | 0.1000  | ND |                        |
| Alpha-bisabolol     | 515-69-5   | 0.1000  | ND |                        |
| Caryophyllene-oxide | 1139-30-6  | 0.1000  | ND |                        |
| Geraniol            | 106-24-1   | 0.1000  | ND |                        |
| Camphene            | 79-92-5    | 0.1000  | ND |                        |
| Guaial              | 489-86-1   | 0.1000  | ND |                        |
| Alpha-terpinene     | 99-86-5    | 0.1000  | ND |                        |
| Terpineol           | 8006-39-1  | 0.1000  | ND |                        |
| Fenchol             | 14575-74-7 | 0.1000  | ND |                        |
| Valencene           | 4630-07-3  | 0.1000  | ND |                        |
| Alpha-phellandrene  | 99-83-2    | 0.1000  | ND |                        |
| Camphor             | 464-49-3   | 0.1000  | ND |                        |
| 3-Carene            | 13466-78-9 | 0.1000  | ND |                        |
| Alpha-cedrene       | 469-61-4   | 0.1000  | ND |                        |
| Cedrol              | 77-53-2    | 0.1000  | ND |                        |
| Eucalyptol          | 470-82-6   | 0.1000  | ND |                        |
| Fenchone            | 1195-79-5  | 0.1000  | ND |                        |
| Gamma-terpinene     | 99-85-4    | 0.1000  | ND |                        |
| Geranyl Acetate     | 105-87-3   | 0.1000  | ND |                        |
| Isopulegol          | 89-79-2    | 0.1000  | ND |                        |
| Menthol             | 15356-70-4 | 0.1000  | ND |                        |
| Nerol               | 106-25-2   | 0.1000  | ND |                        |
| Nerolidol           |            | 0.1000  | ND |                        |
| Pulegone            | 89-82-7    | 0.1000  | ND |                        |

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**Sample #: 5234****Unicorn Microdots**

| Compound         | CAS#      | LOQ (%) | %  | Relative Concentration |
|------------------|-----------|---------|----|------------------------|
| Sabinene         | 3387-41-5 | 0.1000  | ND |                        |
| Sabinene Hydrate | 546-79-2  | 0.1000  | ND |                        |

**Test Comment:** Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

**Foreign Matter by Microscopy****Pass**

Analysis Date: 07/08/2024 6:23 pm

| Compound         | LOQ (%) | Limits (%) | Result (%) | Status |
|------------------|---------|------------|------------|--------|
| % Foreign Matter | 0.00100 | 2.0        | ND         | Pass   |
| Mammalian Exreta | 0.00100 | 0.03       | ND         | Pass   |
| Stems            | 0.00100 | 5.0        | ND         | Pass   |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Moisture LWG****Pass**

Analysis Date: 07/08/2024 6:23 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2     | 5 - 15     | 10.5       | Pass   |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Water Activity****Pass**

Analysis Date: 07/08/2024 6:23 pm

| Compound       | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
|----------------|----------|-------------|-------------|--------|
| Water Activity | 0.05     | 0.65        | 0.53        | Pass   |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Pesticides by LCMSMS****Pass**

Analysis Date: 07/11/2024 11:32 am

| Compound    | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-------------|------------|---------------|---------------|--------|
| Abamectin   | 0.0100     | 0.500         | ND            | Pass   |
| Acephate    | 0.0100     | 0.400         | ND            | Pass   |
| Acequinocyl | 0.0100     | 2.00          | ND            | Pass   |

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**Sample #: 5234****Unicorn Microdots****Pesticides by LCMSMS****Pass**

Analysis Date: 07/11/2024 11:32 am

| Compound              | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------------|------------|---------------|---------------|--------|
| Acetamiprid           | 0.0100     | 0.200         | ND            | Pass   |
| Aldicarb              | 0.0100     | 0.400         | ND            | Pass   |
| Azadirachtin          | 0.0100     | 1.00          | ND            | Pass   |
| Azoxystrobin          | 0.0100     | 0.200         | ND            | Pass   |
| Bifenazate            | 0.0100     | 0.200         | ND            | Pass   |
| Bifenthrin            | 0.0100     | 0.200         | ND            | Pass   |
| Boscalid              | 0.0100     | 0.400         | ND            | Pass   |
| Captan                | 0.0100     | 1.00          | ND            | Pass   |
| Carbaryl              | 0.0100     | 0.200         | ND            | Pass   |
| Carbofuran            | 0.0100     | 0.200         | ND            | Pass   |
| Chlorantraniliprole   | 0.0100     | 0.200         | ND            | Pass   |
| Chlordane-alpha       | 0.0100     | 1.00          | ND            | Pass   |
| Chlorfenapyr          | 0.0100     | 1.00          | ND            | Pass   |
| Chloromequat Chloride | 0.0100     | 1.00          | ND            | Pass   |
| Chlorpyrifos          | 0.0100     | 0.200         | ND            | Pass   |
| Clofentezine          | 0.0100     | 0.200         | ND            | Pass   |
| Coumaphos             | 0.0100     | 1.00          | ND            | Pass   |
| Cyfluthrin            | 0.0100     | 1.00          | ND            | Pass   |
| Cypermethrin          | 0.0100     | 1.00          | ND            | Pass   |
| Daminozide            | 0.0100     | 1.00          | ND            | Pass   |
| Diazinon              | 0.0100     | 0.200         | ND            | Pass   |
| Dichlorvos            | 0.0100     | 1.00          | ND            | Pass   |
| Dimethoate            | 0.0100     | 0.200         | ND            | Pass   |
| Dimethomorph          | 0.0100     | 1.00          | ND            | Pass   |
| Ethoprophos           | 0.0100     | 0.200         | ND            | Pass   |
| Etofenprox            | 0.0100     | 0.400         | ND            | Pass   |

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**Sample #: 5234****Unicorn Microdots****Pesticides by LCMSMS****Pass**

Analysis Date: 07/11/2024 11:32 am

| Compound                | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-------------------------|------------|---------------|---------------|--------|
| Etoxazole               | 0.0100     | 0.200         | ND            | Pass   |
| Fenhexamid              | 0.0100     | 1.00          | ND            | Pass   |
| Fenoxycarb              | 0.0100     | 0.200         | ND            | Pass   |
| Fenpyroximate           | 0.0100     | 0.400         | ND            | Pass   |
| Fipronil                | 0.0100     | 0.400         | ND            | Pass   |
| Flonicamid              | 0.0100     | 1.00          | ND            | Pass   |
| Fludioxonil             | 0.0100     | 0.400         | ND            | Pass   |
| Hexythiazox             | 0.0100     | 1.00          | ND            | Pass   |
| Imazalil                | 0.0100     | 0.200         | ND            | Pass   |
| Imidacloprid            | 0.0100     | 0.400         | ND            | Pass   |
| Indolebutyric Acid      | 0.0100     | 1.00          | ND            | Pass   |
| Kresoxim-methyl         | 0.0100     | 0.400         | ND            | Pass   |
| Malathion               | 0.0100     | 0.200         | ND            | Pass   |
| Metalaxyl               | 0.0100     | 0.200         | ND            | Pass   |
| Methiocarb              | 0.0100     | 0.200         | ND            | Pass   |
| Methomyl                | 0.0100     | 0.400         | ND            | Pass   |
| Methyl Parathion        | 0.0100     | 0.200         | ND            | Pass   |
| Mevinphos               | 0.0100     | 1.00          | ND            | Pass   |
| MGK-264                 | 0.0100     | 0.200         | ND            | Pass   |
| Myclobutanil            | 0.0100     | 0.200         | ND            | Pass   |
| Naled                   | 0.0100     | 0.500         | ND            | Pass   |
| Oxamyl                  | 0.0100     | 1.00          | ND            | Pass   |
| Paclobutrazol           | 0.0100     | 0.400         | ND            | Pass   |
| Pentachloronitrobenzene | 0.0100     | 1.00          | ND            | Pass   |
| Permethrins, Total      | 0.0100     | 0.200         | ND            | Pass   |
| Phosmet                 | 0.0100     | 0.200         | ND            | Pass   |

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**Sample #: 5234****Unicorn Microdots****Pesticides by LCMSMS****Pass**

Analysis Date: 07/11/2024 11:32 am

| Compound           | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|--------------------|------------|---------------|---------------|--------|
| Piperonyl Butoxide | 0.0100     | 2.00          | ND            | Pass   |
| Prallethrin        | 0.0100     | 0.200         | ND            | Pass   |
| Propiconazole      | 0.0100     | 0.400         | ND            | Pass   |
| Propoxur           | 0.0100     | 0.200         | ND            | Pass   |
| Pyrethrins Total   | 0.0100     | 1.00          | ND            | Pass   |
| Pyridaben          | 0.0100     | 0.200         | ND            | Pass   |
| Spinetoram Total   | 0.0100     | 1.00          | ND            | Pass   |
| Spinosad Total     | 0.0100     | 0.200         | ND            | Pass   |
| Spiromesifen       | 0.0100     | 0.200         | ND            | Pass   |
| Spirotetramat      | 0.0100     | 0.200         | ND            | Pass   |
| Spiroxamine        | 0.0100     | 0.200         | ND            | Pass   |
| Tebuconazole       | 0.0100     | 0.400         | ND            | Pass   |
| Thiacloprid        | 0.0100     | 0.200         | ND            | Pass   |
| Thiamethoxam       | 0.0100     | 0.200         | ND            | Pass   |
| Trifloxystrobin    | 0.0100     | 0.200         | ND            | Pass   |

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

**Mycotoxins by LCMSMS****Pass**

Analysis Date: 07/11/2024 11:32 am

| Compound        | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------|------------|---------------|---------------|--------|
| Aflatoxin B1    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin B2    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin G1    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin G2    | 0.0050     | 0.020         | ND            | Pass   |
| Ochratoxin A    | 0.0050     | 0.020         | ND            | Pass   |
| Total Aflatoxin | 0.0050     | 0.020         | ND            | Pass   |

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

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**Sample #: 5234****Unicorn Microdots****Heavy Metals by ICPMS****Pass**

Analysis Date: 07/09/2024 1:22 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Antimony | 0.0100     | 2.00          | ND            | Pass   |
| Arsenic  | 0.00100    | 0.200         | ND            | Pass   |
| Cadmium  | 0.00150    | 0.300         | ND            | Pass   |
| Chromium | 0.280      | 110           | ND            | Pass   |
| Copper   | 0.0750     | 30.0          | 5.81          | Pass   |
| Lead     | 0.00250    | 0.500         | 0.0820        | Pass   |
| Mercury  | 0.000500   | 0.100         | ND            | Pass   |
| Nickel   | 0.0100     | 5.00          | ND            | Pass   |

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

**Micro by Petri & qPCR****Pass**

Analysis Date: 07/10/2024 1:45 pm

| Compound                                  | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status |
|---|-------------|----------------|----------------|--------|
| Aspergillus flavus Qualitative            | 1           | 0              | Not Detected   | Pass   |
| Aspergillus fumigatus Qualitative         | 1           | 0              | Not Detected   | Pass   |
| Aspergillus niger Qualitative             | 1           | 0              | Not Detected   | Pass   |
| Aspergillus terreus Qualitative           | 1           | 0              | Not Detected   | Pass   |
| Salmonella Qualitative                    | 1           | 0              | Not Detected   | Pass   |
| Shiga Toxin-Producing E. coli Qualitative | 1           | 0              | Not Detected   | Pass   |
| Total Aerobic Bacteria                    | 10          |                | 220000         | Pass   |
| Total Yeast & Mold                        | 10          |                | 31000          | Pass   |

Comment: Note that "Pass" is listed for total yeast and mold and total aerobic bacteria results for all adult use products, as there are currently no limits for conformity.

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