



Date Released: 12/26/2023 1:24:00PM

Report #: 7715

### Forbidden Fruit

Sample #: 3197, Weight: 20.00g, Unit Count:

Order #: X231130-0003

Category/Type: Concentrates &amp; Extract, Concentrate

Date Collected: 11/30/2023 5:23:21PM

Date Received: 11/30/2023 5:31:34PM

Regulator Sample ID: HH-FF-01

Regulator Source Package ID: HH-FF-01

Regulator Batch ID: HH-FF-01

Size: 5000Units, Unit Count:



Total Cannabinoids  
95.45 %  
954.5 mg/g



Total THC  
87.27 %  
872.7 mg/g



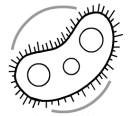
Total CBD  
0.4154 %  
4.154 mg/g



Total Terpenes  
0.0 %



Heavy Metals  
PASS



Microbials  
PASS



Residual Solvents  
PASS



Pesticides  
PASS



Mycotoxins  
PASS

### Potency Analysis by HPLC

Total Cannabinoids: **95.45 % - 954.5 mg/g**Total THC: **87.27 % - 872.7 mg/g**Total CBD: **0.4154 % - 4.154 mg/g**

Date Completed: 12/05/2023 11:52AM

| Compound | CAS#       | LOQ (%)  | %      | mg/g  | Relative Concentration              |
|----------|------------|----------|--------|-------|-------------------------------------|
| d9-THC   | 1972-08-3  | 0.001000 | 87.27  | 872.7 | <div style="width: 87.27%;"></div>  |
| CBG      | 25654-31-3 | 0.001000 | 6.276  | 62.76 | <div style="width: 6.276%;"></div>  |
| CBC      | 20675-51-8 | 0.001000 | 0.7445 | 7.445 | <div style="width: 0.7445%;"></div> |
| CBN      | 521-35-7   | 0.001000 | 0.5893 | 5.893 | <div style="width: 0.5893%;"></div> |
| CBD      | 13956-29-1 | 0.001000 | 0.3044 | 3.044 | <div style="width: 0.3044%;"></div> |
| THCV     | 31262-37-0 | 0.001000 | 0.1417 | 1.417 | <div style="width: 0.1417%;"></div> |
| CBDa     | 1244-58-2  | 0.001000 | 0.1266 | 1.266 | <div style="width: 0.1266%;"></div> |
| THCa     | 23978-85-0 | 0.001000 | ND     | ND    | <div style="width: 0%;"></div>      |
| d8-THC   | 5957-75-5  | 0.001000 | ND     | ND    | <div style="width: 0%;"></div>      |
| d10-THC  | 95543-62-7 | 0.001000 | ND     | ND    | <div style="width: 0%;"></div>      |
| CBDV     | 24274-48-4 | 0.001000 | ND     | ND    | <div style="width: 0%;"></div>      |
| CBGa     | 25555-57-1 | 0.001000 | ND     | ND    | <div style="width: 0%;"></div>      |

**Test Comment:** Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

d8-THC is an abbreviation for delta-8 tetrahydrocannabinol. d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.

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**If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.**



Keystone State Testing of New York  
1809 Vestal Pkwy E

Vestal, NY 13850  
(607)301-0884  
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www.KeystoneStateTesting.com  
Permit #: OCM-CPL-2022-00007

Dr. Kelly Greenland, Lab Director





Sample #: 3197

Forbidden Fruit

## Terpenes by HS-GC-MS

Date Completed: 12/07/2023 11:07AM

| Compound | CAS# | LOQ<br>( ) | Relative Concentration |
|----------|------|------------|------------------------|
|----------|------|------------|------------------------|

Results based on dry weight

|                     |            |        |    |
|---------------------|------------|--------|----|
| Beta-myrcene        | 123-35-3   | 0.1000 | ND |
| Beta-caryophyllene  | 87-44-5    | 0.1000 | ND |
| 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 |
| 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 |
| Guaiol              | 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 |
| Farnesene           | 502-61-4   | 0.1000 | ND |

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## Sample #: 3197

## Forbidden Fruit

| Compound         | CAS#       | LOQ (%) | %     | Relative Concentration |
|------------------|------------|---------|-------|------------------------|
| 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        |            |         | 0.000 |                        |
| Pulegone         | 89-82-7    | 0.1000  | ND    |                        |
| 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.

## Pesticides by LCMSMS

Pass

Analysis Date: 12/08/2023 12:51 pm

| 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   |
| 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   |

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Dr. Kelly Greenland, Lab Director





Sample #: 3197

Forbidden Fruit

## Pesticides by LCMSMS

Pass

Analysis Date: 12/08/2023 12:51 pm

| Compound              | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------------|------------|---------------|---------------|--------|
| 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   |
| 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   |

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420

**ECNY**  
 EMERALD CITY NY

 Cannabinoid  
 Manufacturer

**Emerald City**

46 Forster Rd

hopewell Jct NY 12533

GreenSpectrumsCBD@gmail.com

914-380-0449

License #: OCM-AUCP-22-000023

**Certificate of Analysis**

Final


**Sample #: 3197**
**Forbidden Fruit**
**Pesticides by LCMSMS**
**Pass**
**Analysis Date: 12/08/2023 12:51 pm**

| Compound                | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-------------------------|------------|---------------|---------------|--------|
| 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   |
| 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   |

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**ECNY**  
 EMERALD CITY NY

 Cannabinoid  
 Manufacturer

**Emerald City**

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 GreenSpectrumsCBD@gmail.com  
 914-380-0449  
 License #: OCM-AUCP-22-000023

**Certificate of Analysis**

Final


**Sample #: 3197**
**Forbidden Fruit**
**Pesticides by LCMSMS**
**Pass**

Analysis Date: 12/08/2023 12:51 pm

| Compound         | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|------------------|------------|---------------|---------------|--------|
| 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.

**Residual Solvents by HS-GC-MS**
**Pass**

Analysis Date: 12/11/2023 3:41 pm

| Compound                  | LOQ (ppm) | Limits (ppm) | Result (ppm) | Status |
|---------------------------|-----------|--------------|--------------|--------|
| 1,2-Dichloroethane        | 0.0500    | 5.00         | ND           | Pass   |
| Acetone                   | 50.00     | 5000         | ND           | Pass   |
| Acetonitrile              | 50.00     | 410          | ND           | Pass   |
| Benzene                   | 0.5000    | 2.00         | ND           | Pass   |
| Butanes Total             | 25.00     | 5000         | ND           | Pass   |
| Chloroform                | 0.5000    | 60.0         | ND           | Pass   |
| Dimethyl Sulfoxide (DMSO) | 50.00     | 5000         | ND           | Pass   |
| Ethanol                   | 50.00     | 5000         | ND           | Pass   |
| Ethyl acetate             | 50.00     | 5000         | ND           | Pass   |
| Ethyl ether               | 50.00     | 5000         | ND           | Pass   |
| Heptane                   | 50.00     | 5000         | ND           | Pass   |
| Hexanes Total             | 10.00     | 290          | ND           | Pass   |

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Dr. Kelly Greenland, Lab Director





Sample #: 3197

Forbidden Fruit

## Residual Solvents by HS-GC-MS

Pass

Analysis Date: 12/11/2023 3:41 pm

| Compound                  | LOQ (ppm) | Limits (ppm) | Result (ppm) | Status |
|---------------------------|-----------|--------------|--------------|--------|
| Isopropanol               | 50.00     | 5000         | ND           | Pass   |
| Methanol                  | 50.00     | 3000         | ND           | Pass   |
| Methylene chloride        | 50.00     | 600          | ND           | Pass   |
| Pentanes Total            | 16.70     | 5000         | ND           | Pass   |
| Propane                   | 50.00     | 5000         | ND           | Pass   |
| Toluene                   | 50.00     | 890          | ND           | Pass   |
| Total xylenes             | 25.00     | 2170         | ND           | Pass   |
| Trichloroethane (1,1,1,-) | 50.00     | 1500         | ND           | Pass   |

Comment: Residual Solvents tested by GCMS using P-NY170. Unless otherwise stated, all QC passed. "TIC" stands for Tentatively Identified Compound but not quantitated.

## Mycotoxins by LCMSMS

Pass

Analysis Date: 12/08/2023 12:49 pm

| 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.

## Heavy Metals by ICPMS

Pass

Analysis Date: 12/05/2023 3:54 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Antimony | 0.0100     | 2.00          | ND            | Pass   |
| Arsenic  | 0.00100    | 0.200         | 0.0153        | Pass   |
| Cadmium  | 0.00150    | 0.300         | ND            | Pass   |
| Chromium | 0.280      | 110           | ND            | Pass   |

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Sample #: 3197

Forbidden Fruit

## Heavy Metals by ICPMS

Pass

Analysis Date: 12/05/2023 3:54 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Copper   | 0.0750     | 30.0          | ND            | Pass   |
| Lead     | 0.00250    | 0.500         | 0.0324        | Pass   |
| Mercury  | 0.000500   | 0.100         | 0.000574      | Pass   |
| Nickel   | 0.0100     | 2.00          | ND            | Pass   |

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

## Micro by Petri &amp; qPCR

Pass

Analysis Date: 12/06/2023 10:20 am

| Compound                                  | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status |
|---|-------------|----------------|----------------|--------|
| Aspergillus flavus Qualitative            | 0           | 0              | Not Detected   | Pass   |
| Aspergillus fumigatus Qualitative         | 0           | 0              | Not Detected   | Pass   |
| Aspergillus niger Qualitative             | 0           | 0              | Not Detected   | Pass   |
| Aspergillus terreus Qualitative           | 0           | 0              | Not Detected   | Pass   |
| Salmonella Qualitative                    | 0           | 0              | Not Detected   | Pass   |
| Shiga Toxin-Producing E. coli Qualitative | 0           | 0              | Not Detected   | Pass   |
| Total Aerobic Bacteria                    | 10          | 10000          | ND             | Pass   |
| Total Yeast & Mold                        | 10          | 1000           | ND             | Pass   |

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed. Due to COA validation limitations: "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence".

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