



Flowerhouse Walden LLC

2736 NY-208
Walden, NY 12586
katie@flowerhouseny.com
917-374-7735
License #: OCM-AUCC-22-000111

Certificate of Analysis

Final

Date Released: 7/13/2023 6:10:12PM

Report #: 2290

FH0412

Sample #: 1760, Weight: 35.00g, Unit Count:
Order #: X230629-0005

Category/Type: Plant, Flower - Cured
Date Collected: 6/29/2023 4:33:09PM
Date Received: 6/29/2023 4:40:20PM
Regulator Sample ID: FH0412
Regulator Source Package ID: FH0412
Regulator Batch ID: FH0412

Size: 504Unit, Unit Count:



Total Cannabinoids
23.88 %
238.8 mg/g



Total THC
20.64 %
206.4 mg/g



Total CBD
0.09814 %
0.9814 mg/g



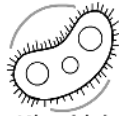
Total Terpenes
1.7 %



Moisture
11.0 %



Heavy Metals
PASS



Microbials
PASS



Pesticides
PASS



Mycotoxins
PASS



Foreign Matter
PASS



Water Activity
PASS

Potency Analysis by HPLC

Total Cannabinoids: 23.88 % - 238.8 mg/g
Total THC: 20.64 % - 206.4 mg/g
Total CBD: 0.09814 % - 0.9814 mg/g

Date Completed: 07/10/2023 12:02PM

| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|----------|------------|----------|--------|-------|------------------------|
| THCa | 23978-85-0 | 0.001000 | 21.82 | 218.2 | |
| d9-THC | 1972-08-3 | 0.001000 | 1.501 | 15.01 | |
| CBGa | 25555-57-1 | 0.001000 | 0.3306 | 3.306 | |
| CBG | 25654-31-3 | 0.001000 | 0.1180 | 1.180 | |
| CBDa | 1244-58-2 | 0.001000 | 0.1119 | 1.119 | |
| d8-THC | 5957-75-5 | 0.001000 | ND | ND | |
| d10-THC | 95543-62-7 | 0.001000 | ND | ND | |
| THCV | 31262-37-0 | 0.001000 | ND | ND | |
| CBD | 13956-29-1 | 0.001000 | ND | ND | |
| CBDV | 24274-48-4 | 0.001000 | ND | ND | |
| CBC | 20675-51-8 | 0.001000 | ND | ND | |
| CBN | 521-35-7 | 0.001000 | ND | ND | |

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.



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Kelly Greenland

Dr. Kelly Greenland, Lab Director





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Sample #: 1760

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Terpenes by HS-GC-MS

Date Completed: 07/13/2023 10:39AM



| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|-------------------------|------------|---------|--------|------------------------|
| R(+)-Limonene | 5989-27-5 | 0.1000 | 0.4570 | |
| Linalool | 78-70-6 | 0.1000 | 0.3632 | |
| trans-Caryophyllene | 87-44-5 | 0.1000 | 0.3312 | |
| alpha-Farnesene | 502-61-4 | 0.1000 | 0.2624 | |
| beta-Farnesene | 18794-84-8 | 0.1000 | 0.1631 | |
| beta-Myrcene | 123-35-3 | 0.1000 | 0.1606 | |
| (-)-Borneol | 464-45-9 | 0.1000 | ND | |
| (-)-Caryophyllene Oxide | 1139-30-6 | 0.1000 | ND | |
| (-)-Isopulegol | 89-79-2 | 0.1000 | ND | |
| (+)-Borneol | 464-43-7 | 0.1000 | ND | |
| (+)-Cedrol | 77-53-2 | 0.1000 | ND | |
| (1R)-(+)-Camphor | 464-49-3 | 0.1000 | ND | |
| 3-Carene | 13466-78-9 | 0.1000 | ND | |
| alpha-Bisabolol | 515-69-5 | 0.1000 | ND | |
| alpha-Cedrene | 469-61-4 | 0.1000 | ND | |
| alpha-Humulene | 6753-98-6 | 0.1000 | ND | |
| alpha-Pinene | 80-56-8 | 0.1000 | ND | |
| alpha-Terpinene | 99-86-5 | 0.1000 | ND | |
| alpha-Terpineol | 98-55-5 | 0.1000 | ND | |
| beta-Pinene | 127-91-3 | 0.1000 | ND | |
| Camphene | 79-92-5 | 0.1000 | ND | |
| cis-Nerolidol | 142-50-7 | 0.1000 | ND | |

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| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|----------------------|------------|---------|----|------------------------|
| cis-Ocimene | 3338-55-4 | 0.1000 | ND | |
| Endo-Fenchyl Alcohol | 14575-74-7 | 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 | |
| gamma-Terpineol | 586-81-2 | 0.1000 | ND | |
| Geraniol | 106-24-1 | 0.1000 | ND | |
| Geranyl Acetate | 105-87-3 | 0.1000 | ND | |
| Guaiol | 489-86-1 | 0.1000 | ND | |
| Hexahydro Thymol | 15356-70-4 | 0.1000 | ND | |
| Nerol | 106-25-2 | 0.1000 | ND | |
| p-Mentha-1,5-diene | 99-83-2 | 0.1000 | ND | |
| Pulegone | 89-82-7 | 0.1000 | ND | |
| Sabinene | 3387-41-5 | 0.1000 | ND | |
| Sabinene Hydrate | 546-79-2 | 0.1000 | ND | |
| Terpinolene | 586-62-9 | 0.1000 | ND | |
| trans-Nerolidol | 40716-66-3 | 0.1000 | ND | |
| trans-Ocimene | 3779-61-1 | 0.1000 | ND | |
| Valencene | 4630-07-3 | 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: 07/10/2023 11:36 am

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|-------------------|---------|------------|------------|--------|
| % Foreign Matter | 0.00100 | 2.0 | ND | Pass |
| Mammalian Excreta | 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.

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Sample #: 1760**FH0412****Moisture by Analyzer****Pass**

Analysis Date: 07/06/2023 4:46 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2 | 5 - 15 | 11.0 | Pass |

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

Water Activity by Meter**Pass**

Analysis Date: 07/10/2023 11:36 am

| Compound | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
|----------------|----------|-------------|-------------|--------|
| Water Activity | 0.05 | 0.65 | 0.54 | 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: 07/12/2023 10:35 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|---------------------|------------|---------------|---------------|--------|
| Abamectin | 0.0100 | 0.5 | ND | Pass |
| Acephate | 0.0100 | 0.4 | ND | Pass |
| Acequinocyl | 0.0100 | 2 | ND | Pass |
| Acetamiprid | 0.0100 | 0.2 | ND | Pass |
| Aldicarb | 0.0100 | 0.4 | ND | Pass |
| Azadirachtin | 0.0100 | 1 | ND | Pass |
| Azoxystrobin | 0.0100 | 0.2 | ND | Pass |
| Bifenazate | 0.0100 | 0.2 | ND | Pass |
| Bifenthrin | 0.0100 | 0.2 | ND | Pass |
| Boscalid | 0.0100 | 0.4 | ND | Pass |
| Captan | 0.0100 | 1 | ND | Pass |
| Carbaryl | 0.0100 | 0.2 | ND | Pass |
| Carbofuran | 0.0100 | 0.2 | ND | Pass |
| Chlorantraniliprole | 0.0100 | 0.2 | ND | Pass |
| Chlordane-alpha | 0.0100 | 1 | ND | Pass |
| Chlorfenapyr | 0.0100 | 1 | ND | Pass |

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Sample #: 1760**FH0412****Pesticides by LCMSMS****Pass****Analysis Date: 07/12/2023 10:35 am**

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------------|------------|---------------|---------------|--------|
| Chloromequat Chloride | 0.0100 | 1 | ND | Pass |
| Chlorpyrifos | 0.0100 | 0.2 | ND | Pass |
| Clofentezine | 0.0100 | 0.2 | ND | Pass |
| Coumaphos | 0.0100 | 1 | ND | Pass |
| Cyfluthrin | 0.0100 | 1 | ND | Pass |
| Cypermethrin | 0.0100 | 1 | ND | Pass |
| Daminozide | 0.0100 | 1 | ND | Pass |
| Diazinon | 0.0100 | 0.2 | ND | Pass |
| Dichlorvos | 0.0100 | 1 | ND | Pass |
| Dimethoate | 0.0100 | 0.2 | ND | Pass |
| Dimethomorph | 0.0100 | 1 | ND | Pass |
| Ethoprophos | 0.0100 | 0.2 | ND | Pass |
| Etofenprox | 0.0100 | 0.4 | ND | Pass |
| Etoxazole | 0.0100 | 0.2 | ND | Pass |
| Fenhexamid | 0.0100 | 1 | ND | Pass |
| Fenoxycarb | 0.0100 | 0.2 | ND | Pass |
| Fenpyroximate | 0.0100 | 0.4 | ND | Pass |
| Fipronil | 0.0100 | 0.4 | ND | Pass |
| Flonicamid | 0.0100 | 1 | ND | Pass |
| Fludioxonil | 0.0100 | 0.4 | ND | Pass |
| Hexythiazox | 0.0100 | 1 | ND | Pass |
| Imazalil | 0.0100 | 0.2 | ND | Pass |
| Imidacloprid | 0.0100 | 0.4 | ND | Pass |
| Indolebutyric Acid | 0.0100 | 1 | ND | Pass |
| Kresoxim-methyl | 0.0100 | 0.4 | ND | Pass |
| Malathion | 0.0100 | 0.2 | ND | Pass |

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Pesticides by LCMSMS

Pass

Analysis Date: 07/12/2023 10:35 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-------------------------|------------|---------------|---------------|--------|
| Metalaxyl | 0.0100 | 0.2 | ND | Pass |
| Methiocarb | 0.0100 | 0.2 | ND | Pass |
| Methomyl | 0.0100 | 0.4 | ND | Pass |
| Methyl Parathion | 0.0100 | 0.2 | ND | Pass |
| Mevinphos | 0.0100 | 1 | ND | Pass |
| MGK-264 | 0.0100 | 0.2 | ND | Pass |
| Myclobutanil | 0.0100 | 0.2 | ND | Pass |
| Naled | 0.0100 | 0.5 | ND | Pass |
| Oxamyl | 0.0100 | 1 | ND | Pass |
| Paclobutrazol | 0.0100 | 0.4 | ND | Pass |
| Pentachloronitrobenzene | 0.0100 | 1 | ND | Pass |
| Permethrins, Total | 0.0100 | 0.2 | ND | Pass |
| Phosmet | 0.0100 | 0.2 | ND | Pass |
| Piperonyl Butoxide | 0.0100 | 2 | 0.105 | Pass |
| Prallethrin | 0.0100 | 0.2 | ND | Pass |
| Propiconazole | 0.0100 | 0.4 | ND | Pass |
| Propoxur | 0.0100 | 0.2 | ND | Pass |
| Pyrethrins Total | 0.0100 | 1 | ND | Pass |
| Pyridaben | 0.0100 | 0.2 | ND | Pass |
| Spinetoram Total | 0.0100 | 1 | ND | Pass |
| Spinosad Total | 0.0100 | 0.2 | ND | Pass |
| Spiromesifen | 0.0100 | 0.2 | ND | Pass |
| Spirotetramat | 0.0100 | 0.2 | ND | Pass |
| Spiroxamine | 0.0100 | 0.2 | ND | Pass |
| Tebuconazole | 0.0100 | 0.4 | ND | Pass |
| Thiacloprid | 0.0100 | 0.2 | ND | Pass |

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FH0412

Pesticides by LCMSMS

Pass

Analysis Date: 07/12/2023 10:35 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------|------------|---------------|---------------|--------|
| Thiamethoxam | 0.0100 | 0.2 | ND | Pass |
| Trifloxystrobin | 0.0100 | 0.2 | ND | Pass |

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

Mycotoxins by LCMSMS

Pass

Analysis Date: 07/12/2023 10:35 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.

Heavy Metals by ICPMS

Pass

Analysis Date: 07/11/2023 10:22 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Antimony | 0.0100 | 2 | 0.0254 | Pass |
| Arsenic | 0.00100 | 0.2 | 0.0179 | Pass |
| Cadmium | 0.00150 | 0.3 | 0.00966 | Pass |
| Chromium | 0.280 | 110 | 2.11 | Pass |
| Copper | 0.0750 | 30 | 5.94 | Pass |
| Lead | 0.00250 | 0.5 | 0.0255 | Pass |
| Mercury | 0.000500 | 0.1 | ND | Pass |
| Nickel | 0.0100 | 2 | ND | Pass |

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

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Micro by Petri & qPCR

Pass

Analysis Date: 07/06/2023 2:10 pm

| 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 | | ND | Pass |
| Total Yeast & Mold | 10 | | 3000 | 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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