



# 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: 4/3/2023 9:10:01AM

Report #: 946

## FH0271COMP032423

Sample #: 692, Weight: 5.00g, Unit Count:  
Order #: X230327-0006

Category/Type: Plant, Flower - Cured

Date Collected: 3/27/2023 4:35:22PM

Date Received: 3/27/2023 6:16:12PM

Date Analyzed: 3/30/2023 1:09:20PM

Regulator Sample ID: FH0271

Regulator Source Package ID: FH0271

Regulator Batch ID: FH0271



Total Cannabinoids  
24.24 %  
242.4 mg/g



Total THC  
20.87 %  
208.7 mg/g



Total CBD  
0.08 %  
0.8 mg/g



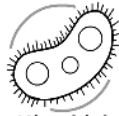
Total Terpenes  
0.3 %



Moisture  
7.4 %



Heavy Metals  
PASS



Microbials  
PASS



Pesticides  
PASS



Mycotoxins  
PASS



Foreign Matter  
PASS



Water Activity  
PASS

### Potency Analysis by HPLC

Total Cannabinoids: **24.24 % - 242.4 mg/g**  
Total THC: **20.87 % - 208.7 mg/g**  
Total CBD: **0.08 % - 0.8 mg/g**

Date Completed: 03/30/2023 10:10AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001	22.19	221.9	90.8%
d9-THC	1972-08-3	0.001	1.41	14.1	5.8%
CBGa	25555-57-1	0.001	0.42	4.2	1.7%
CBDa	1244-58-2	0.001	0.09	0.9	0.4%
CBG	25654-31-3	0.001	0.07	0.7	0.3%
d8-THC	5957-75-5	0.001	0.03	0.3	0.1%
CBC	20675-51-8	0.001	0.02	0.2	0.1%
CBN	521-35-7	0.001	0.01	0.1	0.0%
d10-THC	95543-62-7	0.001	ND	ND	0.0%
THCV	31262-37-0	0.001	ND	ND	0.0%
CBD	13956-29-1	0.001	ND	ND	0.0%
CBDV	24274-48-4	0.001	ND	ND	0.0%

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.

**Total CBD = CBD + (0.877\*CBDA)**

**Total THC = d9-THC + d8-THC + d10-THC + (0.877\*THCa)** d8-THC is an abbreviation for delta-8 tetrahydrocannabinol. d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.

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*Kelly Greenland*

Dr. Kelly Greenland, Lab Director  
4/3/2023 9:17:18AM





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## Terpenes by HS-GC-MS

Date Completed: 03/30/2023 11:55AM



Compound	CAS#	LOQ (%)	%	Relative Concentration
alpha-Humulene	6753-98-6	0.1	0.1	<div style="width: 100%; height: 10px; background-color: green;"></div>
R(+)-Limonene	5989-27-5	0.1	0.1	<div style="width: 100%; height: 10px; background-color: green;"></div>
trans-Caryophyllene	87-44-5	0.1	0.1	<div style="width: 100%; height: 10px; background-color: green;"></div>
Results based on dry weight				
(-)-Borneol	464-45-9	0.1	ND	
(-)-Caryophyllene Oxide	1139-30-6	0.1	ND	
(-)-Isopulegol	89-79-2	0.1	ND	
(+)-Borneol	464-43-7	0.1	ND	
(+)-Cedrol	77-53-2	0.1	ND	
(1R)-(+)-Camphor	464-49-3	0.1	ND	
3-Carene	13466-78-9	0.1	ND	
alpha-Bisabolol	515-69-5	0.1	ND	
alpha-Cedrene	469-61-4	0.1	ND	
alpha-Farnesene	502-61-4	0.1	ND	
alpha-Pinene	80-56-8	0.1	ND	
alpha-Terpinene	99-86-5	0.1	ND	
alpha-Terpineol	98-55-5	0.1	ND	
beta-Farnesene	18794-84-8	0.1	ND	
beta-Myrcene	123-35-3	0.1	ND	
beta-Pinene	127-91-3	0.1	ND	
Camphene	79-92-5	0.1	ND	
cis-Nerolidol	142-50-7	0.1	ND	

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Compound	CAS#	LOQ (%)	%	Relative Concentration
cis-Ocimene	3338-55-4	0.1	ND	
Endo-Fenchyl Alcohol	14575-74-7	0.1	ND	
Eucalyptol	470-82-6	0.1	ND	
Fenchone	1195-79-5	0.1	ND	
gamma-Terpinene	99-85-4	0.1	ND	
gamma-Terpineol	586-81-2	0.1	ND	
Geraniol	106-24-1	0.1	ND	
Geranyl Acetate	105-87-3	0.1	ND	
Guaiol	489-86-1	0.1	ND	
Hexahydro Thymol	15356-70-4	0.1	ND	
Linalool	78-70-6	0.1	ND	
Nerol	106-25-2	0.1	ND	
p-Mentha-1,5-diene	99-83-2	0.1	ND	
Pulegone	89-82-7	0.1	ND	
Sabinene	3387-41-5	0.1	ND	
Sabinene Hydrate	546-79-2	0.1	ND	
Terpinolene	586-62-9	0.1	ND	
trans-Nerolidol	40716-66-3	0.1	ND	
trans-Ocimene	3779-61-1	0.1	ND	
Valencene	4630-07-3	0.1	ND	

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

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

Date Completed: 03/30/2023 10:58 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Foreign Matter	0.001	2.0	ND	Pass
Mammalian Excreta	0.001	0.03	ND	Pass
Stems	0.001	5.0	ND	Pass

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**Sample #: 692**

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

## Moisture by Analyzer

**Pass**

Date Completed: 03/30/2023 10:49 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	7.4	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**

Date Completed: 03/30/2023 10:49 am

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.27	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**

Date Completed: 03/30/2023 12:52 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.01	0.5	ND	Pass
Acephate	0.01	0.4	ND	Pass
Acequinocyl	0.01	2	ND	Pass
Acetamiprid	0.01	0.2	ND	Pass
Aldicarb	0.01	0.4	ND	Pass
Azadirachtin	0.01	1	ND	Pass
Azoxystrobin	0.01	0.2	ND	Pass
Bifenazate	0.01	0.2	ND	Pass
Bifenthrin	0.01	0.2	ND	Pass
Boscalid	0.01	0.4	ND	Pass
Carbaryl	0.01	0.2	ND	Pass
Carbofuran	0.01	0.2	ND	Pass
Chlorantraniliprole	0.01	0.2	ND	Pass
Chlormequat Chloride	0.01	1	ND	Pass
Chlorpyrifos	0.01	0.2	ND	Pass

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**Sample #: 692****FH0271COMP032423****Pesticides by LCMSMS****Pass**

Date Completed: 03/30/2023 12:52 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Clofentezine	0.01	0.2	ND	Pass
Coumaphos	0.01	1	ND	Pass
Cyfluthrin	0.01	1	ND	Pass
Cypermethrin	0.01	1	ND	Pass
Daminozide	0.01	1	ND	Pass
Diazinon	0.01	0.2	ND	Pass
Dichlorvos	0.01	1	ND	Pass
Dimethoate	0.01	0.2	ND	Pass
Dimethomorph	0.01	1	ND	Pass
Ethoprophos	0.01	0.2	ND	Pass
Etofenprox	0.01	0.4	ND	Pass
Etoxazole	0.01	0.2	ND	Pass
Fenhexamid	0.01	1	ND	Pass
Fenoxycarb	0.01	0.2	ND	Pass
Fenpyroximate	0.01	0.4	ND	Pass
Fipronil	0.01	0.4	ND	Pass
Fonicamid	0.01	1	ND	Pass
Fludioxonil	0.01	0.4	ND	Pass
Hexythiazox	0.01	1	ND	Pass
Imazalil	0.01	0.2	ND	Pass
Imidacloprid	0.01	0.4	ND	Pass
Indolebutyric Acid	0.01	1	ND	Pass
Kresoxim-methyl	0.01	0.4	ND	Pass
Malathion	0.01	0.2	ND	Pass
Metalaxyl	0.01	0.2	ND	Pass
Methiocarb	0.01	0.2	ND	Pass

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Date Completed: 03/30/2023 12:52 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Mevinphos	0.01	1	ND	Pass
Myclobutanil	0.01	0.2	ND	Pass
Naled	0.01	0.5	ND	Pass
Oxamyl	0.01	1	ND	Pass
Paclobutrazol	0.01	0.4	ND	Pass
Permethrin	0.01	0.2	ND	Pass
Phosmet	0.01	0.2	ND	Pass
Piperonyl Butoxide	0.01	2	ND	Pass
Prallethrin	0.01	0.2	ND	Pass
Propiconazole	0.01	0.4	ND	Pass
Propoxur	0.01	0.2	ND	Pass
Pyrethrins Total	0.01	1	ND	Pass
Pyridaben	0.01	0.2	ND	Pass
Spinetoram	0.01	1	ND	Pass
Spinosad Total	0.01	.2	ND	Pass
Spiromesifen	0.01	0.2	ND	Pass
Spirotetramat	0.01	0.2	ND	Pass
Spiroxamine	0.01	0.2	ND	Pass
Tebuconazole	0.01	0.4	ND	Pass
Thiacloprid	0.01	0.2	ND	Pass
Thiamethoxam	0.01	0.2	ND	Pass
Trifloxystrobin	0.01	0.2	ND	Pass

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

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

Date Completed: 03/30/2023 12:52 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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## Mycotoxins by LCMSMS

Pass

Date Completed: 03/30/2023 12:52 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B1	0.005	0.020	ND	Pass
Aflatoxin B2	0.005	0.020	ND	Pass
Aflatoxin G1	0.005	0.020	ND	Pass
Aflatoxin G2	0.005	0.020	ND	Pass
Ochratoxin A	0.005	0.020	ND	Pass
Total Aflatoxin	0.005	0.020	ND	Pass

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

## Heavy Metals by ICPMS

Pass

Date Completed: 03/30/2023 1:09 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.01	2	ND	Pass
Arsenic	0.001	0.2	ND	Pass
Cadmium	0.0015	0.3	ND	Pass
Chromium	0.275	110	ND	Pass
Copper	0.075	30	3.3	Pass
Lead	0.0025	0.5	ND	Pass
Mercury	0.0005	0.1	ND	Pass
Nickel	0.01	2	ND	Pass

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

## Micro by Petri & qPCR

Pass

Date Completed: 03/30/2023 12:03 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

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## Micro by Petri & qPCR

Pass

Date Completed: 03/30/2023 12:03 pm

Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
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		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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