

## Certificate of Analysis

Final



## Flowerhouse Walden LLC

2736 NY-208

Walden, NY 12586

katie@flowerhouseny.com

917-374-7735

License #: OCM-AUCC-22-000111

Date Released: 6/21/2023 6:13:01PM

Report #: 2036

## 7g Smalls

Sample #: 1391, Weight: 56.00g, Unit Count:

Order #: X230531-0001

Category/Type: Plant, Flower - Cured

Date Collected: 5/31/2023 4:49:16PM

Date Received: 5/31/2023 4:52:25PM

Regulator Sample ID: FH0355

Regulator Source Package ID: FH0355

Regulator Batch ID: FH0355

Size: 1184units, Unit Count:



Total Cannabinoids  
23.12 %  
231.2 mg/g



Total THC  
20.04 %  
200.4 mg/g



Total CBD  
0.09252 %  
0.9252 mg/g



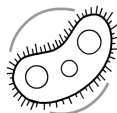
Total Terpenes  
1.2 %



Moisture  
11.2 %



Heavy Metals  
PASS



Microbials  
PASS



Pesticides  
PASS



Mycotoxins  
PASS



Foreign Matter  
PASS



Water Activity  
PASS

## Potency Analysis by HPLC

Total Cannabinoids: 23.12 % - 231.2 mg/g

Total THC: 20.04 % - 200.4 mg/g

Total CBD: 0.09252 % - 0.9252 mg/g

Date Completed: 06/01/2023 12:44PM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	21.41	214.1	
d9-THC	1972-08-3	0.001000	1.264	12.64	
CBGa	25555-57-1	0.001000	0.2317	2.317	
CBG	25654-31-3	0.001000	0.1109	1.109	
CBDA	1244-58-2	0.001000	0.1055	1.055	
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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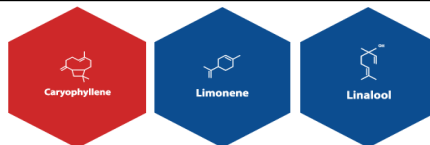
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**Sample #: 1391****7g Smalls****Terpenes by HS-GC-MS**

Date Completed: 06/02/2023 12:54PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
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trans-Caryophyllene	87-44-5	0.10	0.34	
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R(+)-Limonene	5989-27-5	0.10	0.26	
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alpha-Farnesene	502-61-4	0.10	0.23	
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Linalool	78-70-6	0.10	0.21	
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beta-Farnesene	18794-84-8	0.10	0.15	
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(-)-Borneol	464-45-9	0.10	ND	
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(-)-Caryophyllene Oxide	1139-30-6	0.10	ND	
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(-)-Isopulegol	89-79-2	0.10	ND	
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(+)-Borneol	464-43-7	0.10	ND	
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(+)-Cedrol	77-53-2	0.10	ND	
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(1R)-(+)-Camphor	464-49-3	0.10	ND	
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3-Carene	13466-78-9	0.10	ND	
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alpha-Bisabolol	515-69-5	0.10	ND	
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alpha-Cedrene	469-61-4	0.10	ND	
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alpha-Humulene	6753-98-6	0.10	ND	
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alpha-Pinene	80-56-8	0.10	ND	
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alpha-Terpinene	99-86-5	0.10	ND	
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alpha-Terpineol	98-55-5	0.10	ND	
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beta-Myrcene	123-35-3	0.10	ND	
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beta-Pinene	127-91-3	0.10	ND	
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Camphene	79-92-5	0.10	ND	
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**Sample #: 1391****7g Smalls**

Compound	CAS#	LOQ (%)	%	Relative Concentration
cis-Nerolidol	142-50-7	0.10	ND	
cis-Ocimene	3338-55-4	0.10	ND	
Endo-Fenchyl Alcohol	14575-74-7	0.10	ND	
Eucalyptol	470-82-6	0.10	ND	
Fenchone	1195-79-5	0.10	ND	
gamma-Terpinene	99-85-4	0.10	ND	
gamma-Terpineol	586-81-2	0.10	ND	
Geraniol	106-24-1	0.10	ND	
Geranyl Acetate	105-87-3	0.10	ND	
Guaiol	489-86-1	0.10	ND	
Hexahydro Thymol	15356-70-4	0.10	ND	
Nerol	106-25-2	0.10	ND	
p-Mentha-1,5-diene	99-83-2	0.10	ND	
Pulegone	89-82-7	0.10	ND	
Sabinene	3387-41-5	0.10	ND	
Sabinene Hydrate	546-79-2	0.10	ND	
Terpinolene	586-62-9	0.10	ND	
trans-Nerolidol	40716-66-3	0.10	ND	
trans-Ocimene	3779-61-1	0.10	ND	
Valencene	4630-07-3	0.10	ND	

**Test Comment:** Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.**Foreign Matter by Microscopy****Pass****Analysis Date:** 06/01/2023 4:09 pm

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

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**7g Smalls**

**Foreign Matter by Microscopy**

**Pass**

**Analysis Date:** 06/01/2023 4:09 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Stems	0.001	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 by Analyzer**

**Pass**

**Analysis Date:** 06/01/2023 12:45 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	11.2	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:** 06/01/2023 4:09 pm

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.47	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:** 06/21/2023 4:55 pm

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

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**7g Smalls**

Pesticides by LCMSMS		Pass		Analysis Date: 06/21/2023 4:55 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
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	
Chlormequat 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	

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Pesticides by LCMSMS		Pass		Analysis Date: 06/21/2023 4:55 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
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	
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	0.194	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	

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7g Smalls

## Pesticides by LCMSMS

Pass

Analysis Date: 06/21/2023 4:55 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
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: 06/02/2023 10:39 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: 06/02/2023 9:57 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.01	2	ND	Pass

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## Heavy Metals by ICPMS

Pass

Analysis Date: 06/02/2023 9:57 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Arsenic	0.001	0.2	0.12	Pass
Cadmium	0.0015	0.3	0.021	Pass
Chromium	0.28	110	0.68	Pass
Copper	0.075	30	9.7	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 &amp; qPCR

Pass

Analysis Date: 06/01/2023 11:38 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		168000	Pass
Total Yeast & Mold	10		5000	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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