

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 #: 2031

14g smalls

Sample #: 1392, Weight: 112.00g, 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: FH0356

Regulator Source Package ID: FH0356

Regulator Batch ID: FH0356

Size: 1184units, Unit Count:



Total Cannabinoids
23.80 %
238.0 mg/g



Total THC
20.47 %
204.7 mg/g



Total CBD
0.08831 %
0.8831 mg/g



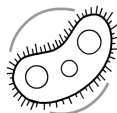
Total Terpenes
1.4 %



Moisture
11.8 %



Heavy Metals
PASS



Microbials
PASS



Pesticides
PASS



Mycotoxins
PASS



Foreign Matter
PASS



Water Activity
PASS

Potency Analysis by HPLC

Total Cannabinoids: 23.80 % - 238.0 mg/g

Total THC: 20.47 % - 204.7 mg/g

Total CBD: 0.08831 % - 0.8831 mg/g

Date Completed: 06/21/2023 4:35PM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	22.57	225.7	
d9-THC	1972-08-3	0.001000	0.6751	6.751	
CBGa	25555-57-1	0.001000	0.3180	3.180	
CBG	25654-31-3	0.001000	0.1331	1.331	
CBDA	1244-58-2	0.001000	0.1007	1.007	
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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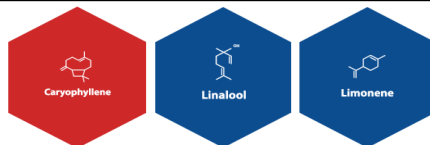
Final

Sample #: 1392

14g smalls

Terpenes by HS-GC-MS

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



Compound	CAS#	LOQ (%)	%	Relative Concentration
trans-Caryophyllene	87-44-5	0.10	0.36	
Linalool	78-70-6	0.10	0.25	
alpha-Farnesene	502-61-4	0.10	0.24	
R(+)-Limonene	5989-27-5	0.10	0.24	
beta-Farnesene	18794-84-8	0.10	0.17	
alpha-Humulene	6753-98-6	0.10	0.10	
(-)-Borneol	464-45-9	0.10	ND	
(-)-Caryophyllene Oxide	1139-30-6	0.10	ND	
(-)-Isopulegol	89-79-2	0.10	ND	
(+)-Borneol	464-43-7	0.10	ND	
(+)-Cedrol	77-53-2	0.10	ND	
(1R)-(+)-Camphor	464-49-3	0.10	ND	
3-Carene	13466-78-9	0.10	ND	
alpha-Bisabolol	515-69-5	0.10	ND	
alpha-Cedrene	469-61-4	0.10	ND	
alpha-Pinene	80-56-8	0.10	ND	
alpha-Terpinene	99-86-5	0.10	ND	
alpha-Terpineol	98-55-5	0.10	ND	
beta-Myrcene	123-35-3	0.10	ND	
beta-Pinene	127-91-3	0.10	ND	
Camphene	79-92-5	0.10	ND	

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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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Sample #: 1392 **14g 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	11.8	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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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	ND	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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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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14g smalls

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	0.13	Pass
Cadmium	0.0015	0.3	0.018	Pass
Chromium	0.28	110	0.52	Pass
Copper	0.075	30	7.1	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

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		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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