

License #: OCM-AUCC-22-000111

2736 NY-208 Walden, NY 12586 katie@flowerhouseny.com 917-374-7735

**Certificate of Analysis** 

Date Released: 4/3/2023 9:10:01AM

Report #: 937

#### FH0226COMP032423

Sample #: 663, Weight: 8.00g, Unit Count:

Order #: X230327-0006

Category/Type: Plant, Flower - Cured Date Collected: 3/27/2023 4:35:22PM Date Received: 3/27/2023 6:16:01PM Date Analyzed: 3/30/2023 12:52:48PM

Regulator Sample ID: FH0226

Regulator Source Package ID: FH0226

Regulator Batch ID: FH0226



**Total Cannabinoids** 19.72 % 197.2 mg/g

Microbials

PASS



**Pesticides** 







**Total Terpenes** 1.1 %



Moisture 9.4 %



Heavy Metals **PASS** 



Total CBD

0.06 %

0.6 mg/g

Mycotoxins



Foreign Matter Water Activity **PASS PASS** 

**Potency Analysis by HPLC** 

Total Cannabinoids: 19.72 % - 197.2 mg/g

Total THC: 16.95 % - 169.5 mg/g Total CBD: 0.06 % - 0.6 mg/g

Compound	CAS#	LOQ (%)	%	mg/g
THCa	23978-85-0	0.001	18.71	187.1
d9-THC	1972-08-3	0.001	0.54	5.4
CBGa	25555-57-1	0.001	0.36	3.6
CBDa	1244-58-2	0.001	0.07	0.7
CBG	25654-31-3	0.001	0.04	0.4
d8-THC	5957-75-5	0.001	ND	ND
d10-THC	95543-62-7	0.001	ND	ND
THCV	31262-37-0	0.001	ND	ND
CBD	13956-29-1	0.001	ND	ND
CBDV	24274-48-4	0.001	ND	ND
CBC	20675-51-8	0.001	ND	ND
CBN	521-35-7	0.001	ND	ND

Date Completed: 03/30/2023 10:09AM

**Relative Concentration** 

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.

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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**Keystone State Testing of New York** 1809 Vestal Pkwy E

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Final

Sample #: 663 FH0226COMP032423

erpenes by HS-GC-MS		imonene	Myrcene	Caryophyllene	<b>Date Completed:</b> 03/30/2023 11:5
Compound	CAS#	LOQ (%)	%	Relative Concentration	
beta-Myrcene	123-35-3	0.1	0.3		
R(+)-Limonene	5989-27-5	0.1	0.3		
trans-Caryophyllene	87-44-5	0.1	0.2		
alpha-Humulene	6753-98-6	0.1	0.1		
alpha-Terpineol	98-55-5	0.1	0.1		
Linalool	78-70-6	0.1	0.1		
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		
beta-Farnesene	18794-84-8	0.1	ND		
beta-Pinene	127-91-3	0.1	ND		
Camphene	79-92-5	0.1	ND		

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Compound	CAS#	LOQ (%)	%	Relative Concentration
cis-Nerolidol	142-50-7	0.1	ND	
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	
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	

Foreign Matter by Microscopy	Pass		Date Completed: 03/30/2023 10:58	
Compound	LOQ (%)	Limits (%)	Result (%)	Status

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

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Sample #: 663 FH0226COMP032423

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:	<b>Date Completed:</b> 03/30/2023 10:49 am		
	Compound	LOQ (%)	Limits (%)	Result (%)	Status		
	Moisture	1.2	5 - 15	9.4	Pass		
Co	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	0.30	Pass		
Co	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	;	<b>Date Completed:</b> 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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sticides by LCMSMS	Pass	<u> </u>	Date Completed: 03/30/2023 12:52		
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	
Flonicamid	0.01	1	ND	Pass	
Fludioxonil	0.01	0.4	ND	Pass	
Hexythiazox	0.01	1	ND	Pass	
lmazalil	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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sticides by LCMSMS	Pass	•	<b>Date Completed:</b> 03/30/2023 12:52		
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	

M	ycotoxins by LCMSMS	Pass		<b>Date Completed:</b> 03/30/2023 12:52 pr		
	Compound	LOQ (µg/g)	Limits (μg/g)	Result (μg/g)	Status	

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Sample #: 663 FH0226COMP032423

Mycotoxins by LCMSMS	Pass		<b>Date Completed:</b> 03/30/2023				
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.							

Pass		<b>Date Completed:</b> 03/30/2023 12:25 pm	
LOQ (μg/g)	Limits (μg/g)	Result (μg/g)	Status
0.01	2	ND	Pass
0.001	0.2	0.1	Pass
0.0015	0.3	ND	Pass
0.275	110	ND	Pass
0.075	30	4.8	Pass
0.0025	0.5	ND	Pass
0.0005	0.1	ND	Pass
0.01	2	ND	Pass
	LOQ (μg/g)  0.01  0.001  0.0015  0.275  0.075  0.0025  0.0005	LOQ (μg/g)     Limits (μg/g)       0.01     2       0.001     0.2       0.0015     0.3       0.275     110       0.075     30       0.0025     0.5       0.0005     0.1	LOQ (μg/g)         Limits (μg/g)         Result (μg/g)           0.01         2         ND           0.001         0.2         0.1           0.0015         0.3         ND           0.275         110         ND           0.075         30         4.8           0.0025         0.5         ND           0.0005         0.1         ND

Micro by Petri & qPCR	Pass	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	<b>3</b>	<b>Date Completed:</b> 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		4000	Pass
Comment: Microbial contamination tested by Petrifilm plates and "Detected" = "Presumptive Presence". Acceptant			validation limitations: "Not Detected" = "Absent"	

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