

# Gage Farms

3121 State Route 54A  
Bluff Point, NY 14478  
Kueka Park NY 14478  
elh25@cornell.edu  
607-351-1358  
License #: OCM-AUCC-22-000131

# Certificate of Analysis

Final

Date Released: 7/5/2023 12:29:41PM

Report #: 2102

## Sour Chem

Sample #: 1653, Weight: 70.00g, Unit Count:  
Order #: X230628-0001

Category/Type: Plant, Flower - Cured

Date Collected: 6/28/2023 1:29:16PM

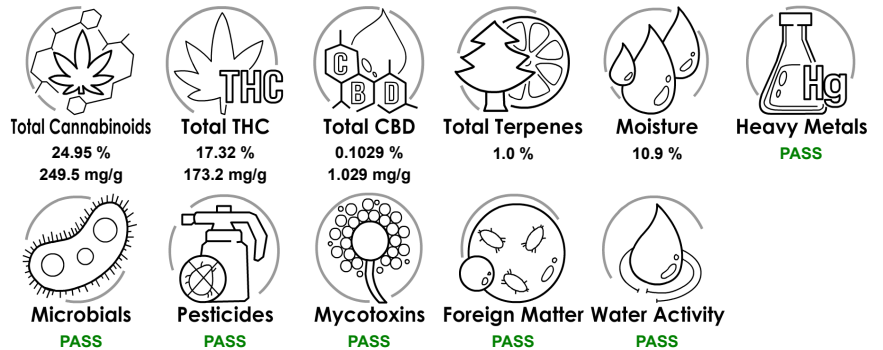
Date Received: 6/28/2023 1:36:43PM

Regulator Sample ID: SCC22-00014

Regulator Source Package ID: SCC22-00014

Regulator Batch ID: SCC22-00014

Size: 6400Units, Unit Count:



## Potency Analysis by HPLC

Total Cannabinoids: **24.95 % - 249.5 mg/g**  
Total THC: **17.32 % - 173.2 mg/g**  
Total CBD: **0.1029 % - 1.029 mg/g**

Date Completed: 06/29/2023 10:42AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	18.81	188.1	<div style="width: 100%;"></div>
CBGa	25555-57-1	0.001000	5.028	50.28	<div style="width: 25%;"></div>
d9-THC	1972-08-3	0.001000	0.8266	8.266	<div style="width: 4%;"></div>
CBDa	1244-58-2	0.001000	0.1173	1.173	<div style="width: 0.6%;"></div>
CBG	25654-31-3	0.001000	0.1007	1.007	<div style="width: 0.5%;"></div>
d8-THC	5957-75-5	0.001000	0.06787	0.6787	<div style="width: 0.3%;"></div>
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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*Kelly Greenland*

Dr. Kelly Greenland, Lab Director



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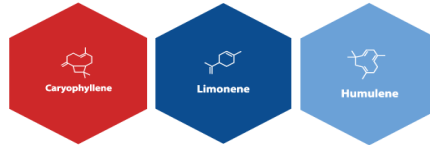
Final

Sample #: 1653

Sour Chem

## Terpenes by HS-GC-MS

Date Completed: 06/30/2023 9:40AM



Compound	CAS#	LOQ (%)	%	Relative Concentration
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trans-Caryophyllene	87-44-5	0.1000	0.4728	
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R(+)-Limonene	5989-27-5	0.1000	0.2397	
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alpha-Humulene	6753-98-6	0.1000	0.1871	
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alpha-Bisabolol	515-69-5	0.1000	0.1004	
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(-)-Borneol	464-45-9	0.1000	ND	
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(-)-Caryophyllene Oxide	1139-30-6	0.1000	ND	
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(-)-Isopulegol	89-79-2	0.1000	ND	
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(+)-Borneol	464-43-7	0.1000	ND	
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(+)-Cedrol	77-53-2	0.1000	ND	
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(1R)-(+)-Camphor	464-49-3	0.1000	ND	
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3-Carene	13466-78-9	0.1000	ND	
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alpha-Cedrene	469-61-4	0.1000	ND	
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alpha-Farnesene	502-61-4	0.1000	ND	
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alpha-Pinene	80-56-8	0.1000	ND	
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alpha-Terpinene	99-86-5	0.1000	ND	
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alpha-Terpineol	98-55-5	0.1000	ND	
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beta-Farnesene	18794-84-8	0.1000	ND	
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beta-Myrcene	123-35-3	0.1000	ND	
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beta-Pinene	127-91-3	0.1000	ND	
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Camphene	79-92-5	0.1000	ND	
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cis-Nerolidol	142-50-7	0.1000	ND	
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cis-Ocimene	3338-55-4	0.1000	ND	
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Compound	CAS#	LOQ (%)	%	Relative Concentration
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	
Guaial	489-86-1	0.1000	ND	
Hexahydro Thymol	15356-70-4	0.1000	ND	
Linalool	78-70-6	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: 06/28/2023 4:48 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Foreign Matter	0.00100	2.0	ND	Pass
Mammalian Exreta	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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## Moisture by Analyzer

Pass

Analysis Date: 06/28/2023 4:48 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	10.9	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: 06/28/2023 4:48 pm

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.60	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: 07/03/2023 9:52 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 #: 1653****Sour Chem****Pesticides by LCMSMS****Pass**

Analysis Date: 07/03/2023 9:52 am

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

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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	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
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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Sour Chem

## Pesticides by LCMSMS

Pass

Analysis Date: 07/03/2023 9:52 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: 07/03/2023 9:52 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: 06/29/2023 11:02 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2	0.0175	Pass
Arsenic	0.00100	0.2	ND	Pass
Cadmium	0.00150	0.3	0.102	Pass
Chromium	0.280	110	2.45	Pass
Copper	0.0750	30	13.2	Pass
Lead	0.00250	0.5	0.0122	Pass
Mercury	0.000500	0.1	0.00677	Pass
Nickel	0.0100	2	0.890	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: 06/30/2023 9:31 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		3000	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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