

Back Home Farm

2387 Lucas Tpk, High Falls, NY 12440

Will@backhomefarmny.com

732-673-6442

License #: OCM-AUCC-22-000208

Certificate of Analysis

Final



Date Released: 2/26/2025 9:52:50AM

Report #: 46017

Super Lemon Haze

Sample #: 11440, Weight: 182.00g, Unit Count:

Order #: X250219-0034

Category/Type: Plant, Flower - Cured

Date Collected: 2/19/2025 6:00:00PM

Date Received: 2/19/2025 11:32:47AM

Date Sampled: 2/19/2025 2:36:00PM

Regulator Sample ID: SLH1406

Regulator Source Package ID: SLH1406

Regulator Batch ID: SLH1406

Size: 3200Units, Unit Count:



Total Cannabinoids
29.80 %
298.1 mg/g



Total THC
25.93 %
259.2 mg/g



Total CBD
0.08930 %
0.8928 mg/g



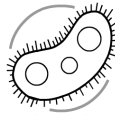
Total Terpenes
1.050 %



Moisture
12.4 %



Heavy Metals
PASS



Microbials
PASS



Pesticides
PASS



Mycotoxins
PASS



Foreign Matter
PASS



Water Activity
PASS

Cannabinoids Avg

Total Cannabinoids: **29.80 % - 298.1 mg/g**

Total THC: **25.93 % - 259.2 mg/g**

Total CBD: **0.08930 % - 0.8928 mg/g**

Date Completed: 02/24/2025 9:05AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	26.04	260.4	<div></div>
d9-THC	1972-08-3	0.001000	3.086	30.86	<div></div>
CBGa	25555-57-1	0.001000	0.4674	4.674	<div></div>
CBDa	1244-58-2	0.001000	0.1018	1.018	<div></div>
CBC	20675-51-8	0.001000	0.05642	0.5642	<div></div>
CBG	25654-31-3	0.001000	0.04659	0.4659	<div></div>
CBN	521-35-7	0.001000	0.008160	0.08160	<div></div>

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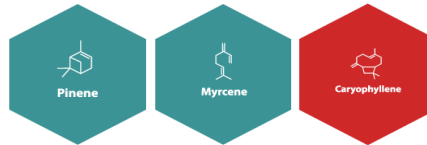
Super Lemon Haze

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
CBDV	24274-48-4	0.001000	ND	ND	
THCV	31262-37-0	0.001000	ND	ND	
CBD	13956-29-1	0.001000	ND	ND	
d8-THC	5957-75-5	0.001000	ND	ND	
d10/R9-THC	95543-62-7	0.001000	ND	ND	
d10/S9-THC	95588-87-7	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.

Terpenes by HS-GC-MS

Date Completed: 02/24/2025 6:41PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
Alpha-pinene	80-56-8	0.1000	0.3677	
Beta-myrcene	123-35-3	0.1000	0.3494	
Beta-caryophyllene	87-44-5	0.1000	0.1882	
Beta-pinene	127-91-3	0.1000	0.1451	

Results based on dry weight

Limonene	5989-27-5	0.1000	ND
Alpha-humulene	6753-98-6	0.1000	ND
Linalool	78-70-6	0.1000	ND
Terpinolene	586-62-9	0.1000	ND

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Compound	CAS#	LOQ (%)	%	Relative Concentration
Ocimene	13877-91-3	0.1000	ND	
Alpha-bisabolol	515-69-5	0.1000	ND	
Caryophyllene-oxide	1139-30-6	0.1000	ND	
Geraniol	106-24-1	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
Guaiol	489-86-1	0.1000	ND	
Alpha-terpinene	99-86-5	0.1000	ND	
Terpineol	8006-39-1	0.1000	ND	
Fenchol	14575-74-7	0.1000	ND	
Valencene	4630-07-3	0.1000	ND	
Alpha-phellandrene	99-83-2	0.1000	ND	
Farnesene	502-61-4	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: 02/21/2025 7:54 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Foreign Matter	0.00100	2.0	ND	Pass
Mammalian Excreta	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.

Moisture LWG

Pass

Analysis Date: 02/21/2025 7:54 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	12.4	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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Sample #: 11440 Super Lemon Haze

Water Activity		Pass		Analysis Date: 02/21/2025 7:54 am	
Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status	
Water Activity	0.05	0.65	0.48	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: 02/25/2025 2:13 pm	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Abamectin	0.0100	0.500	ND	Pass	
Acephate	0.0100	0.400	ND	Pass	
Acequinocyl	0.0100	2.00	ND	Pass	
Acetamiprid	0.0100	0.200	ND	Pass	
Aldicarb	0.0100	0.400	ND	Pass	
Azadirachtin	0.0100	1.00	ND	Pass	
Azoxystrobin	0.0100	0.200	ND	Pass	
Bifenazate	0.0100	0.200	ND	Pass	
Bifenthrin	0.0100	0.200	ND	Pass	
Boscalid	0.0100	0.400	ND	Pass	
Captan	0.0100	1.00	ND	Pass	
Carbaryl	0.0100	0.200	ND	Pass	
Carbofuran	0.0100	0.200	ND	Pass	
Chlorantraniliprole	0.0100	0.200	ND	Pass	
Chlordane-alpha	0.0100	1.00	ND	Pass	
Chlorfenapyr	0.0100	1.00	ND	Pass	
Chlormequat Chloride	0.0100	1.00	ND	Pass	
Chlorpyrifos	0.0100	0.200	ND	Pass	
Clofentezine	0.0100	0.200	ND	Pass	
Coumaphos	0.0100	1.00	ND	Pass	
Cyfluthrin	0.0100	1.00	ND	Pass	

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KEYSTONE STATE TESTING

ACCREDITED
CERTIFICATE NUMBER 4405.03

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**Sample #: 11440****Super Lemon Haze****Pesticides by LCMSMS****Pass**

Analysis Date: 02/25/2025 2:13 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Cypermethrin	0.0100	1.00	ND	Pass
Daminozide	0.0100	1.00	ND	Pass
Diazinon	0.0100	0.200	ND	Pass
Dichlorvos	0.0100	1.00	ND	Pass
Dimethoate	0.0100	0.200	ND	Pass
Dimethomorph	0.0100	1.00	ND	Pass
Ethoprophos	0.0100	0.200	ND	Pass
Etofenprox	0.0100	0.400	ND	Pass
Etoxazole	0.0100	0.200	ND	Pass
Fenhexamid	0.0100	1.00	ND	Pass
Fenoxycarb	0.0100	0.200	ND	Pass
Fenpyroximate	0.0100	0.400	ND	Pass
Fipronil	0.0100	0.400	ND	Pass
Flonicamid	0.0100	1.00	ND	Pass
Fludioxonil	0.0100	0.400	ND	Pass
Hexythiazox	0.0100	1.00	ND	Pass
Imazalil	0.0100	0.200	ND	Pass
Imidacloprid	0.0100	0.400	ND	Pass
Indolebutyric Acid	0.0100	1.00	ND	Pass
Kresoxim-methyl	0.0100	0.400	ND	Pass
Malathion	0.0100	0.200	ND	Pass
Metalaxyl	0.0100	0.200	ND	Pass
Methiocarb	0.0100	0.200	ND	Pass
Methomyl	0.0100	0.400	ND	Pass
Methyl Parathion	0.0100	0.200	ND	Pass
Mevinphos	0.0100	1.00	ND	Pass

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**Sample #: 11440****Super Lemon Haze****Pesticides by LCMSMS****Pass****Analysis Date: 02/25/2025 2:13 pm**

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
MGK-264	0.0100	0.200	ND	Pass
Myclobutanil	0.0100	0.200	ND	Pass
Naled	0.0100	0.500	ND	Pass
Oxamyl	0.0100	1.00	ND	Pass
Paclobutrazol	0.0100	0.400	ND	Pass
Pentachloronitrobenzene	0.0100	1.00	ND	Pass
Permethrins, Total	0.0100	0.200	ND	Pass
Phosmet	0.0100	0.200	ND	Pass
Piperonyl Butoxide	0.0100	2.00	ND	Pass
Prallethrin	0.0100	0.200	ND	Pass
Propiconazole	0.0100	0.400	ND	Pass
Propoxur	0.0100	0.200	ND	Pass
Pyrethrins Total	0.0100	1.00	ND	Pass
Pyridaben	0.0100	0.200	ND	Pass
Spinetoram Total	0.0100	1.00	ND	Pass
Spinosad Total	0.0100	0.200	ND	Pass
Spiromesifen	0.0100	0.200	ND	Pass
Spirotetramat	0.0100	0.200	ND	Pass
Spiroxamine	0.0100	0.200	ND	Pass
Tebuconazole	0.0100	0.400	ND	Pass
Thiacloprid	0.0100	0.200	ND	Pass
Thiamethoxam	0.0100	0.200	ND	Pass
Trifloxystrobin	0.0100	0.200	ND	Pass

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

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**Sample #: 11440****Super Lemon Haze****Mycotoxins by LCMSMS****Pass****Analysis Date:** 02/24/2025 12:02 pm

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:** 02/21/2025 10:35 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2.00	ND	Pass
Arsenic	0.00100	0.200	0.0273	Pass
Cadmium	0.00150	0.200	0.0135	Pass
Chromium	0.280	110	ND	Pass
Copper	0.0750	30.0	7.24	Pass
Lead	0.00250	0.500	ND	Pass
Mercury	0.000500	0.100	0.00299	Pass
Nickel	0.0100	5.00	1.96	Pass

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

Micro by Petri & qPCR**Pass****Analysis Date:** 02/22/2025 10:24 am

Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
Aspergillus flavus Qualitative	1	0	Not Detected	Pass
Aspergillus fumigatus Qualitative	1	0	Not Detected	Pass
Aspergillus niger Qualitative	1	0	Not Detected	Pass
Aspergillus terreus Qualitative	1	0	Not Detected	Pass

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Sample #: 11440

Super Lemon Haze

Micro by Petri & qPCR		Pass		Analysis Date: 02/22/2025 10:24 am	
Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status	
Salmonella Qualitative	1	0	Not Detected	Pass	
Shiga Toxin-Producing E. coli Qualitative	1	0	Not Detected	Pass	
Total Aerobic Bacteria	10		<LOQ	Pass	
Total Yeast & Mold	10		<LOQ	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". "Passed" for an adult-use product implies the results contain less than 1,000,000 cfu/g.					

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