

Green Gene Genetics

License#: 00000555dca00381095
600 S 80th Ave
Tolleson, AZ 85353
(520) 965-8624

Additional Licenses:

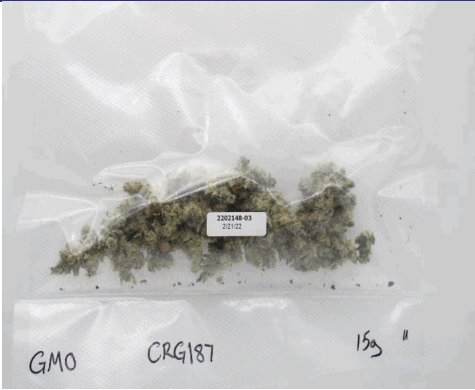
Batch #: CRG187; External Lot #: CRG187

Sample Batch Collection: 02/21/22 14:50; Sample Batch Collected By: Green Gene Genetic
Sample Received: 2/21/2022; Report Created: 3/8/2022

GMO Laboratory Number: 2202148-03
Flower

Herbicides Not Tested	Pesticides PASS	Residual Solvents Not Tested	Metals Not Tested	Mycotoxins Not Tested	Aspergillus PASS	E. Coli/ Salmonella PASS
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Sample Image



Residual Solvents (GCMS-MS) Analyzed: By:

Analyte	RL	ppm	Q
Propane	NT	NT	
Butanes	NT	NT	
Pentanes	NT	NT	
Acetonitrile	NT	NT	
Dichloromethane	NT	NT	
Hexanes	NT	NT	
Chloroform	NT	NT	
n-Heptane	NT	NT	
Methanol	NT	NT	
Ethanol	NT	NT	
Diethyl Ether	NT	NT	
Acetone	NT	NT	
Isopropanol	NT	NT	
Ethyl acetate	NT	NT	
Isopropyl acetate	NT	NT	
Benzene	NT	NT	
Toluene	NT	NT	
Xylenes	NT	NT	

Cannabinoid (HPLC) Analyzed: 02/26/22 By: JVR

Analyte	LOQ %	%	mg/g	Q
THC-A	0.52	29.32	293.2	D1
delta 9-THC	0.05	0.34	3.4	
delta 8-THC	0.05	ND	ND	
THC-V	0.05	ND	ND	
CBG-A	0.05	1.15	11.5	
CBD-A	0.05	0.07	0.7	
CBD	0.05	ND	ND	
CBD-V	0.05	ND	ND	
CBN	0.05	ND	ND	
CBG	0.05	0.10	1	
CBC	0.05	ND	ND	

Metals (ICP-MS) Analyzed: By:

Element	RL	ppm	Q
Arsenic	NT	NT	
Cadmium	NT	NT	
Lead	NT	NT	
Mercury	NT	NT	

Regulated Microbials (Petrifilm) Analyzed: 3/4/2022 By: EGP

Pathogens	RL	Result	Units	Q
E. coli	10.0	ND	cfu/g	

Regulated Microbials (PCR) Analyzed: 2/25/2022 By: MLC

Pathogens	RL	Result	Units	Q
Aspergillus	1.00	Absent	per gram	
Salmonella	1.00	Absent	per gram	

26.05 % 260.54 mg/g Total THC	0.06 % 0.63 mg/g Total CBD	30.98 % 309.80 mg/g Total Cannabinoids
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Total THC = THCa * 0.877 + delta 9-THC + delta 8-THC; Total CBD = CBDA * 0.877 + CBD

Regulated Mycotoxins (LC-MS TQ) Analyzed: By:

Pathogens	RL	ppb	Q
Aflatoxins	NT	NT	
Ochratoxins	NT	NT	

RL = Reporting Limit
NA = Not Applicable
NT = Not Tested
ND = Non Detected
LOQ = Limit of Quantification



Erin Polly
Technical Laboratory Director

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Pesticides (LC-MS TQ) Analyzed: 02/28/22 By: ZEN							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.217	ND		Acequinocyl	1.08	ND	
Acetamiprid	0.108	ND		Aldicarb	0.217	ND	R1
Azoxystrobin	0.108	ND		Bifenthrin	0.108	ND	
Boscalid	0.217	ND		Carbaryl	0.108	ND	
Carbofuran	0.108	ND		Chlorpyrifos	0.108	ND	
Diazinon	0.108	ND		Dimethoate	0.108	ND	
Ethoprophos	0.108	ND		Etofenprox	0.217	ND	
Etoxazole	0.108	ND		Fenoxycarb	0.108	ND	
Fenpyroximate E	0.217	ND		Flonicamid	0.542	ND	
Fludioxonil	0.217	ND		Hexythiazox	0.542	ND	
Imazalil	0.108	ND		Imidacloprid	0.217	ND	
Kresoxim-methyl	0.217	ND		Malathion	0.108	ND	
Metalaxyl	0.108	ND		Methiocarb	0.108	ND	
Methomyl	0.217	ND		Myclobutanil	0.108	ND	
Naled	0.271	ND		Oxamyl	0.542	ND	
Piperonyl butoxide	1.08	ND		Propiconazole	0.217	ND	
Propoxure	0.108	ND		Spiromesifen	0.108	ND	L1, R1, V1
Spirotetramat	0.108	ND		Spiroxamine	0.217	ND	
Tebuconazole	0.217	ND		Thiacloprid	0.108	ND	
Thiamethoxam	0.108	ND		Trifloxystrobin	0.108	ND	
Abamectin	0.271	ND	L1	Bifenazate	0.108	ND	
Chlorantraniliprole	0.108	ND		Clofentezine	0.108	ND	
Cyfluthrin	1.08	ND	R1	Cypermethrin	0.542	ND	
Daminozide	0.542	ND		DDVP (Dichlorvos)	0.054	ND	V1
Fipronil	0.217	ND		Paclobutrazol	0.217	ND	
Permethrins	0.108	ND		Phosmet	0.108	ND	
Prallethrin	0.108	ND	V1	Pyrethrins	0.542	ND	L1, M1
Pyridaben	0.108	ND		Spinosad	0.108	ND	L1
Chlorfenapyr	1.08	ND					

Herbicides (LC-MS TQ) Analyzed: By:			
Analyte	RL	ppm	Q
Pendimethalin	NT	NT	

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GMO	Laboratory Number: 2202148-03 Flower
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Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
Pathogens				
Total Coliform	NT	NT	cfu/g	
Yeast	NT	NT	cfu/g	
Mold	NT	NT	cfu/g	
Aerobic Bacteria	NT	NT	cfu/g	
Enterobacteria	NT	NT	cfu/g	

Terpenes (GCMS-MS) Analyzed: By:

	%	mg/g	Q
Compound			
alpha-Bisabolol	NT	NT	
(-)-Borneol and (+)-Borneol	NT	NT	
Camphene	NT	NT	
Camphor	NT	NT	
beta-Caryophyllene	NT	NT	
trans-Caryophyllene	NT	NT	
Caryophyllene Oxide	NT	NT	
alpha-Cedrene	NT	NT	
Cedrol	NT	NT	
Endo-fenchyl Alcohol	NT	NT	
Eucalyptol	NT	NT	
Fenchone	NT	NT	
Geraniol	NT	NT	
Geranyl acetate	NT	NT	
Guaiol	NT	NT	
Hexahydrothymol	NT	NT	
alpha-Humulene	NT	NT	
Isoborneol	NT	NT	
Isopulegol	NT	NT	
Limonene	NT	NT	
Linalool	NT	NT	
p-Mentha-1,5-diene	NT	NT	
beta-Myrcene	NT	NT	
trans-Nerolidol	NT	NT	
Ocimene	NT	NT	
alpha-Pinene	NT	NT	
beta-Pinene	NT	NT	
Pulegone	NT	NT	
Sabinene	NT	NT	
Sabinene Hydrate	NT	NT	
gamma-Terpinene	NT	NT	
alpha-Terpinene	NT	NT	
3-Carene	NT	NT	
Terpineol	NT	NT	
Terpinolene	NT	NT	
Valencene	NT	NT	
Nerol	NT	NT	
cis-Nerolidol	NT	NT	
Total Terpenes	NT	NT	

Water Activity (Moisture Reactor) Analyzed: By:

	AW	Q
Compound		
Water Activity	NT	

Moisture (Drying Oven) Analyzed: By:

	%	Q
Compound		
Percent Moisture	NT	

pH Test (HannHI11310) Analyzed: By:

	NA	Q
Compound		
pH	NT	

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Technical Laboratory Director

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Certificate of Analysis

00000003LCIN00627986

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(480) 788-6644

www.desertvalleytesting.com

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Sample Received: 2/21/2022; Report Created: 3/8/2022

GMO

Laboratory Number: 2202148-03
Flower

QUALIFIER DEFINITIONS AND CASE NARRATIVE

- Q3 Testing results is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R 9-17-317.01(A) or labeling requirements in R9-17-317.
- D1 The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- L1 The percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.
- M1 Matrix spike recovery is high, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- R1 The relative percent difference (RPD) for the laboratory control sample and duplicate is more than 20%, but the percent recovery for the laboratory control sample and duplicate is within acceptance criteria.
- V1 Continuing Calibration Verification (CCV) or Quality Control Sample (QCS) recovery exceeds acceptable limits; but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.

Terpene analysis not regulated by Arizona Department of Health .

Testing results were obtained according to requirements in the quality assurance plan in R 9-17-404.05, in the applicable standard operating procedure, and in R9-17- 404.03 or R9-17-404.04; A description of any variances from the requirements , and the reason for the variance will be described in the Work Order memo .

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Nature's Medicines

License#: 0000088DCXB00897085

2439 W. McDowell Rd

Phoenix, AZ 85009

(314) 853-0055

Additional Licenses:

Batch #: CRG187; External Lot #: CRG187

Sample Batch Collection: 04/07/22 15:07; Sample Batch Collected By: Nature's Medicines A

Sample Received: 4/7/2022; Report Created: 4/18/2022

GMO Laboratory Number: 2204047-03
Flower

Herbicides Not Tested	Pesticides Not Tested	Residual Solvents Not Tested	Metals PASS	Mycotoxins Not Tested	Aspergillus Not Tested	E. Coli/ Salmonella Not Tested
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Sample Image



Residual Solvents (GCMS-MS) Analyzed: By:

Analyte	RL	ppm	Q
Propane	NT	NT	
Butanes	NT	NT	
Pentanes	NT	NT	
Acetonitrile	NT	NT	
Dichloromethane	NT	NT	
Hexanes	NT	NT	
Chloroform	NT	NT	
n-Heptane	NT	NT	
Methanol	NT	NT	
Ethanol	NT	NT	
Diethyl Ether	NT	NT	
Acetone	NT	NT	
Isopropanol	NT	NT	
Ethyl acetate	NT	NT	
Isopropyl acetate	NT	NT	
Benzene	NT	NT	
Toluene	NT	NT	
Xylenes	NT	NT	

Cannabinoid (HPLC) Analyzed: By:

Analyte	LOQ %	%	mg/g	Q
THC-A	NT	NT	NT	
delta 9-THC	NT	NT	NT	
delta 8-THC	NT	NT	NT	
THC-V	NT	NT	NT	
CBG-A	NT	NT	NT	
CBD-A	NT	NT	NT	
CBD	NT	NT	NT	
CBD-V	NT	NT	NT	
CBN	NT	NT	NT	
CBG	NT	NT	NT	
CBC	NT	NT	NT	

Metals (ICP-MS) Analyzed: 04/15/22 By: MLC

Element	RL	ppm	Q
Arsenic	0.104	ND	
Cadmium	0.104	ND	
Lead	0.260	ND	
Mercury	0.010	ND	

0.00 % 0.00 mg/g Total THC	0.00 % 0.00 mg/g Total CBD	% mg/g Total Cannabinoids
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Total THC = THCa * 0.877 + delta 9-THC + delta 8-THC; Total CBD = CBDA * 0.877 + CBD

Regulated Microbials (Petrifilm) Analyzed: By:

Pathogens	RL	Result	Units	Q
E. coli	NT	NT	cfu/g	

Regulated Microbials (PCR) Analyzed: By:

Pathogens	RL	Result	Units	Q
Aspergillus	NT	NT	per gram	
Salmonella	NT	NT	per gram	

Regulated Mycotoxins (LC-MS TQ) Analyzed: By:

Pathogens	RL	ppb	Q
Aflatoxins	NT	NT	
Ochratoxins	NT	NT	

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Additional Licenses:

Batch #: CRG187; External Lot #: CRG187

Sample Batch Collection: 04/07/22 15:07; Sample Batch Collected By: Nature's Medicines A

Sample Received: 4/7/2022; Report Created: 4/18/2022

GMO

Laboratory Number: 2204047-03
Flower

Pesticides (LC-MS TQ) Analyzed: By:							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	NT	NT		Acequinocyl	NT	NT	
Acetamiprid	NT	NT		Aldicarb	NT	NT	
Azoxystrobin	NT	NT		Bifenthrin	NT	NT	
Boscalid	NT	NT		Carbaryl	NT	NT	
Carbofuran	NT	NT		Chlorpyrifos	NT	NT	
Diazinon	NT	NT		Dimethoate	NT	NT	
Ethoprophos	NT	NT		Etofenprox	NT	NT	
Etoxazole	NT	NT		Fenoxycarb	NT	NT	
Fenpyroximate E	NT	NT		Flonicamid	NT	NT	
Fludioxonil	NT	NT		Hexythiazox	NT	NT	
Imazalil	NT	NT		Imidacloprid	NT	NT	
Kresoxim-methyl	NT	NT		Malathion	NT	NT	
Metalaxyl	NT	NT		Methiocarb	NT	NT	
Methomyl	NT	NT		Myclobutanil	NT	NT	
Naled	NT	NT		Oxamyl	NT	NT	
Piperonyl butoxide	NT	NT		Propiconazole	NT	NT	
Propoxure	NT	NT		Spiromesifen	NT	NT	
Spirotetramat	NT	NT		Spiroxamine	NT	NT	
Tebuconazole	NT	NT		Thiacloprid	NT	NT	
Thiamethoxam	NT	NT		Trifloxystrobin	NT	NT	
Abamectin	NT	NT		Bifenazate	NT	NT	
Chlorantraniliprole	NT	NT		Clofentezine	NT	NT	
Cyfluthrin	NT	NT		Cypermethrin	NT	NT	
Daminozide	NT	NT		DDVP (Dichlorvos)	NT	NT	
Fipronil	NT	NT		Paclobutrazol	NT	NT	
Permethrins	NT	NT		Phosmet	NT	NT	
Prallethrin	NT	NT		Pyrethrins	NT	NT	
Pyridaben	NT	NT		Spinosad	NT	NT	
Chlorfenapyr	NT	NT					

Herbicides (LC-MS TQ) Analyzed: By:			
Analyte	RL	ppm	Q
Pendimethalin	NT	NT	

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Sample Received: 4/7/2022; Report Created: 4/18/2022

GMO Laboratory Number: 2204047-03
Flower

Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
Pathogens				
Total Coliform	NT	NT	cfu/g	
Yeast	NT	NT	cfu/g	
Mold	NT	NT	cfu/g	
Aerobic Bacteria	NT	NT	cfu/g	
Enterobacteria	NT	NT	cfu/g	

Terpenes (GCMS-MS) Analyzed: By:

Compound	%	mg/g	Q
alpha-Bisabolol	NT	NT	
(-)-Borneol and (+)-Borneol	NT	NT	
Camphene	NT	NT	
Camphor	NT	NT	
beta-Caryophyllene	NT	NT	
trans-Caryophyllene	NT	NT	
Caryophyllene Oxide	NT	NT	
alpha-Cedrene	NT	NT	
Cedrol	NT	NT	
Endo-fenchyl Alcohol	NT	NT	
Eucalyptol	NT	NT	
Fenchone	NT	NT	
Geraniol	NT	NT	
Geranyl acetate	NT	NT	
Guaiol	NT	NT	
Hexahydrothymol	NT	NT	
alpha-Humulene	NT	NT	
Isoborneol	NT	NT	
Isopulegol	NT	NT	
Limonene	NT	NT	
Linalool	NT	NT	
p-Mentha-1,5-diene	NT	NT	
beta-Myrcene	NT	NT	
trans-Nerolidol	NT	NT	
Ocimene	NT	NT	
alpha-Pinene	NT	NT	
beta-Pinene	NT	NT	
Pulegone	NT	NT	
Sabinene	NT	NT	
Sabinene Hydrate	NT	NT	
gamma-Terpinene	NT	NT	
alpha-Terpinene	NT	NT	
3-Carene	NT	NT	
Terpineol	NT	NT	
Terpinolene	NT	NT	
Valencene	NT	NT	
Nerol	NT	NT	
cis-Nerolidol	NT	NT	
Total Terpenes	NT	NT	

Water Activity (Moisture Reactor) Analyzed: By:

Compound	AW	Q
Water Activity	NT	

Moisture (Drying Oven) Analyzed: By:

Compound	%	Q
Percent Moisture	NT	

pH Test (Thermo Orion) Analyzed: By:

Compound	NA	Q
pH	NT	

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Sample Received: 4/7/2022; Report Created: 4/18/2022

GMO

Laboratory Number: 2204047-03

Flower

QUALIFIER DEFINITIONS AND CASE NARRATIVE

Q3 Testing results is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R 9-17-317.01(A) or labeling requirements in R9-17-317.

Terpene analysis not regulated by Arizona Department of Health .

Testing results were obtained according to requirements in the quality assurance plan in R 9-17-404.05, in the applicable standard operating procedure, and in R9-17- 404.03 or R9-17-404.04; A description of any variances from the requirements , and the reason for the variance will be described in the Work Order memo.

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