

NG Growers inc

1543 Union Center Maine Hwy
 ellen@nanticokegardens.com
 607-754-5008
 License #: OCM-AUCC-22-000079

Certificate of Analysis

Final

Date Released: 7/12/2023 9:01:09PM












Report #: 2248

All Gas Lot 130628

Sample #: 1769, Weight: 28.00g, Unit Count:
 Order #: X230630-0001

Category/Type: Plant, Flower - Cured
 Date Collected: 6/30/2023 1:29:17PM
 Date Received: 6/30/2023 1:35:37PM
 Regulator Sample ID: AG1018
 Regulator Source Package ID: AG1018
 Regulator Batch ID: AG1018









Size: 1200Units, Unit Count:

 Total Cannabinoids 28.48 % 284.8 mg/g	 Total THC 24.30 % 243.0 mg/g	 Total CBD 0.09630 % 0.9630 mg/g	 Total Terpenes 1.4 %	 Moisture 12.1 %	 Heavy Metals PASS
 Microbials PASS	 Pesticides PASS	 Mycotoxins PASS	 Foreign Matter PASS	 Water Activity PASS	

Potency Analysis by HPLC

Total Cannabinoids: **28.48 % - 284.8 mg/g**
 Total THC: **24.30 % - 243.0 mg/g**
 Total CBD: **0.09630 % - 0.9630 mg/g**

Date Completed: 07/07/2023 3:48PM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	26.21	262.1	
d9-THC	1972-08-3	0.001000	1.311	13.11	
CBGa	25555-57-1	0.001000	0.4144	4.144	
CBG	25654-31-3	0.001000	0.3339	3.339	
CBDa	1244-58-2	0.001000	0.09170	0.9170	
d8-THC	5957-75-5	0.001000	0.06987	0.6987	
THCV	31262-37-0	0.001000	0.03017	0.3017	
CBD	13956-29-1	0.001000	0.01588	0.1588	
d10-THC	95543-62-7	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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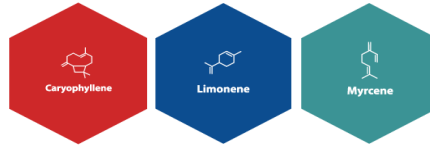
Final

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Terpenes by HS-GC-MS

Date Completed: 07/05/2023 2:26PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
trans-Caryophyllene	87-44-5	0.1000	0.5044	
R(+)-Limonene	5989-27-5	0.1000	0.3549	
beta-Myrcene	123-35-3	0.1000	0.1918	
alpha-Humulene	6753-98-6	0.1000	0.1789	
Linalool	78-70-6	0.1000	0.1547	
(-)-Borneol	464-45-9	0.1000	ND	
(-)-Caryophyllene Oxide	1139-30-6	0.1000	ND	
(-)-Isopulegol	89-79-2	0.1000	ND	
(+)-Borneol	464-43-7	0.1000	ND	
(+)-Cedrol	77-53-2	0.1000	ND	
(1R)-(+)-Camphor	464-49-3	0.1000	ND	
3-Carene	13466-78-9	0.1000	ND	
alpha-Bisabolol	515-69-5	0.1000	ND	
alpha-Cedrene	469-61-4	0.1000	ND	
alpha-Farnesene	502-61-4	0.1000	ND	
alpha-Pinene	80-56-8	0.1000	ND	
alpha-Terpinene	99-86-5	0.1000	ND	
alpha-Terpineol	98-55-5	0.1000	ND	
beta-Farnesene	18794-84-8	0.1000	ND	
beta-Pinene	127-91-3	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
cis-Nerolidol	142-50-7	0.1000	ND	

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Compound	CAS#	LOQ (%)	%	Relative Concentration
cis-Ocimene	3338-55-4	0.1000	ND	
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	
Guaiol	489-86-1	0.1000	ND	
Hexahydro Thymol	15356-70-4	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: 07/06/2023 4:51 pm

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.

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Moisture by Analyzer

Pass

Analysis Date: 07/06/2023 4:51 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	12.1	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: 07/06/2023 4:51 pm

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.57	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: 07/06/2023 4:15 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
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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Analysis Date: 07/06/2023 4:15 pm

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

Pass

Analysis Date: 07/06/2023 4:15 pm

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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Sample #: 1769**All Gas Lot 130628****Pesticides by LCMSMS****Pass**

Analysis Date: 07/06/2023 4:15 pm

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: 07/06/2023 4:15 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: 07/06/2023 11:01 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2	0.0342	Pass
Arsenic	0.00100	0.2	0.00399	Pass
Cadmium	0.00150	0.3	0.0344	Pass
Chromium	0.280	110	1.91	Pass
Copper	0.0750	30	5.97	Pass
Lead	0.00250	0.5	0.0133	Pass
Mercury	0.000500	0.1	0.00282	Pass
Nickel	0.0100	2	ND	Pass

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

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Final

Sample #: 1769**All Gas Lot 130628****Micro by Petri & qPCR****Pass**

Analysis Date: 07/07/2023 3:48 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
Salmonella Qualitative	0	0	Not Detected	Pass
Shiga Toxin-Producing E. coli Qualitative	0	0	Not Detected	Pass
Total Aerobic Bacteria	10		1000	Pass
Total Yeast & Mold	10		3000	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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