

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: 5/30/2023 4:02:59PM

Report #: 1798

Nanticoke 0.5g prerolls - Lemon Grab

Sample #: 1354, Weight: 10.00g, Unit Count:

Order #: X230524-0003

Category/Type: Plant, Preroll

Date Collected: 5/24/2023 2:33:13PM

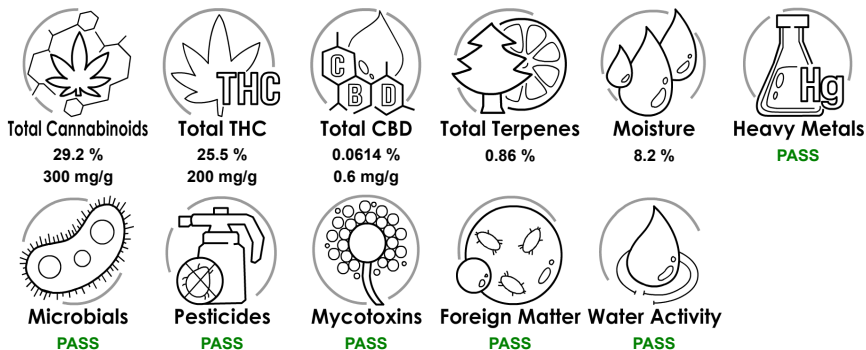
Date Received: 5/24/2023 5:08:34PM

Regulator Sample ID: 120703PR LG1014

Regulator Source Package ID: 120703PR LG1014

Regulator Batch ID: 120703PR LG1014

Size: Not Provided, Unit Count:



Potency Analysis by HPLC					Date Completed: 05/26/2023 9:28AM	
Total Cannabinoids: 29.2 % - 300 mg/g						
Total THC: 25.5 % - 200 mg/g						
Total CBD: 0.0614 % - 0.6 mg/g						
Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration	
THCa	23978-85-0	0.001	21.1	200	[Bar chart showing high relative concentration]	
d9-THC	1972-08-3	0.001	6.96	70	[Bar chart showing moderate relative concentration]	
CBGa	25555-57-1	0.001	0.684	7	[Bar chart showing low relative concentration]	
CBG	25654-31-3	0.001	0.193	2	[Bar chart showing very low relative concentration]	
CBN	521-35-7	0.001	0.112	1	[Bar chart showing very low relative concentration]	
CBDa	1244-58-2	0.001	0.0700	0.7	[Bar chart showing very low relative concentration]	
THCV	31262-37-0	0.001	0.0586	0.6	[Bar chart showing very low relative concentration]	
CBC	20675-51-8	0.001	0.0459	0.5	[Bar chart showing very low relative concentration]	
d8-THC	5957-75-5	0.001	ND	ND	[Bar chart showing no relative concentration]	
d10-THC	95543-62-7	0.001	ND	ND	[Bar chart showing no relative concentration]	
CBD	13956-29-1	0.001	ND	ND	[Bar chart showing no relative concentration]	
CBDV	24274-48-4	0.001	ND	ND	[Bar chart showing no relative concentration]	

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Sample #: 1354**Nanticoke 0.5g prerolls - Lemon Grab**

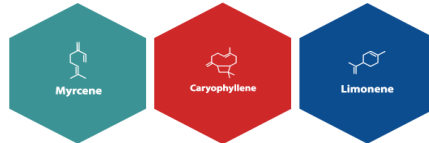
Test Comment: Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND.
 Unless otherwise stated all QC passed.

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.

Terpenes by HS-GC-MS

Date Completed: 05/25/2023 10:05AM



Compound	CAS#	LOQ (%)	%	Relative Concentration
beta-Myrcene	123-35-3	0.10	0.45	
trans-Caryophyllene	87-44-5	0.10	0.18	
R(+)-Limonene	5989-27-5	0.10	0.12	
beta-Farnesene	18794-84-8	0.10	0.11	

Results based on dry weight

(-)-Borneol	464-45-9	0.10	ND
(-)-Caryophyllene Oxide	1139-30-6	0.10	ND
(-)-Isopulegol	89-79-2	0.10	ND
(+)-Borneol	464-43-7	0.10	ND
(+)-Cedrol	77-53-2	0.10	ND
(1R)-(+)-Camphor	464-49-3	0.10	ND
3-Carene	13466-78-9	0.10	ND
alpha-Bisabolol	515-69-5	0.10	ND
alpha-Cedrene	469-61-4	0.10	ND
alpha-Farnesene	502-61-4	0.10	ND
alpha-Humulene	6753-98-6	0.10	ND
alpha-Pinene	80-56-8	0.10	ND
alpha-Terpinene	99-86-5	0.10	ND

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Compound	CAS#	LOQ (%)	%	Relative Concentration
alpha-Terpineol	98-55-5	0.10	ND	
beta-Pinene	127-91-3	0.10	ND	
Camphene	79-92-5	0.10	ND	
cis-Nerolidol	142-50-7	0.10	ND	
cis-Ocimene	3338-55-4	0.10	ND	
Endo-Fenchyl Alcohol	14575-74-7	0.10	ND	
Eucalyptol	470-82-6	0.10	ND	
Fenchone	1195-79-5	0.10	ND	
gamma-Terpinene	99-85-4	0.10	ND	
gamma-Terpineol	586-81-2	0.10	ND	
Geraniol	106-24-1	0.10	ND	
Geranyl Acetate	105-87-3	0.10	ND	
Guaiol	489-86-1	0.10	ND	
Hexahydro Thymol	15356-70-4	0.10	ND	
Linalool	78-70-6	0.10	ND	
Nerol	106-25-2	0.10	ND	
p-Mentha-1,5-diene	99-83-2	0.10	ND	
Pulegone	89-82-7	0.10	ND	
Sabinene	3387-41-5	0.10	ND	
Sabinene Hydrate	546-79-2	0.10	ND	
Terpinolene	586-62-9	0.10	ND	
trans-Nerolidol	40716-66-3	0.10	ND	
trans-Ocimene	3779-61-1	0.10	ND	
Valencene	4630-07-3	0.10	ND	

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

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Sample #: 1354

Nanticoke 0.5g prerolls - Lemon Grab

Foreign Matter by Microscopy

Pass

Analysis Date: 05/30/2023 3:22 pm

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

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

Analysis Date: 05/26/2023 10:05 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	8.2	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: 05/26/2023 10:05 am

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.39	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: 05/26/2023 9:44 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

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Pesticides by LCMSMS

Pass

Analysis Date: 05/26/2023 9:44 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Boscalid	0.0100	0.4	ND	Pass
Carbaryl	0.0100	0.2	ND	Pass
Carbofuran	0.0100	0.2	ND	Pass
Chlorantraniliprole	0.0100	0.2	ND	Pass
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
Fonicamid	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

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Pesticides by LCMSMS

Pass

Analysis Date: 05/26/2023 9:44 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
Metaxyl	0.0100	0.2	ND	Pass
Methiocarb	0.0100	0.2	ND	Pass
Methomyl	0.0100	0.4	ND	Pass
Mevinphos	0.0100	1	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
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

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Pesticides by LCMSMS

Pass

Analysis Date: 05/26/2023 9:44 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Thiacloprid	0.0100	0.2	ND	Pass
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: 05/26/2023 9:44 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: 05/26/2023 10:19 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.01	2	0.017	Pass
Arsenic	0.001	0.2	ND	Pass
Cadmium	0.0015	0.3	0.021	Pass
Chromium	0.28	110	1.1	Pass
Copper	0.075	30	10	Pass
Lead	0.0025	0.5	0.42	Pass
Mercury	0.0005	0.1	ND	Pass
Nickel	0.01	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 #: 1354**Nanticoke 0.5g prerolls - Lemon Grab****Micro by Petri & qPCR****Pass**

Analysis Date: 05/26/2023 12:56 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		22000	Pass
Total Yeast & Mold	10		87000	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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