



Date Released: 3/4/2024 1:02:05PM

Report #: 12115

Lemon OG

Sample #: 3938, Weight: 70.00g, Unit Count:

Order #: X240229-0001

Category/Type: Plant, Flower - Cured

Date Collected: 2/29/2024 12:27:17PM

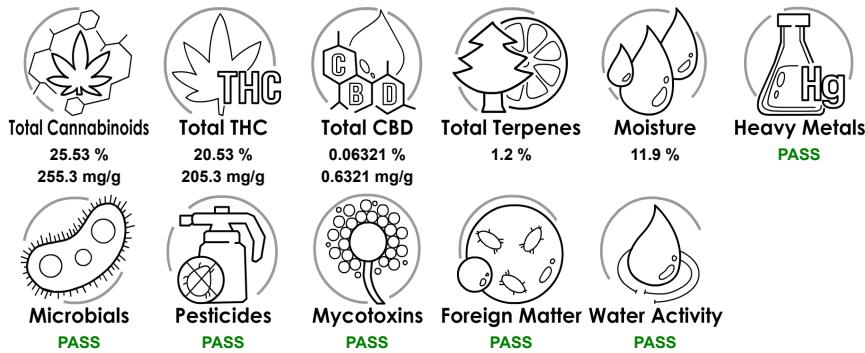
Date Received: 2/29/2024 12:44:59PM

Regulator Sample ID: 7106123580818416

Regulator Source Package ID: 7106123580818416

Regulator Batch ID: 7106123580818416

Size: 10000Units, Unit Count:

**Potency Analysis by HPLC**Total Cannabinoids: **25.53 % - 255.3 mg/g**

Date Completed: 03/01/2024 9:50AM

Total THC: **20.53 % - 205.3 mg/g**Total CBD: **0.06321 % - 0.6321 mg/g**

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	18.76	187.6	
d9-THC	1972-08-3	0.001000	4.060	40.60	
CBGa	25555-57-1	0.001000	2.142	21.42	
CBG	25654-31-3	0.001000	0.2733	2.733	
CBC	20675-51-8	0.001000	0.1180	1.180	
CBDa	1244-58-2	0.001000	0.07207	0.7207	
CBN	521-35-7	0.001000	0.04505	0.4505	
THCV	31262-37-0	0.001000	0.03861	0.3861	
d10-THC	95543-62-7	0.001000	0.02231	0.2231	
d8-THC	5957-75-5	0.001000	ND	ND	
CBD	13956-29-1	0.001000	ND	ND	
CBDV	24274-48-4	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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Keystone State Testing of New York

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Sample #: 3938

Lemon OG

Terpenes by HS-GC-MS



Date Completed: 03/01/2024 10:04AM

Compound	CAS#	LOQ (%)	%	Relative Concentration
Alpha-pinene	80-56-8	0.1000	0.3422	
Farnesene	502-61-4	0.1000	0.2990	
Beta-caryophyllene	87-44-5	0.1000	0.2681	
Beta-pinene	127-91-3	0.1000	0.1261	
Alpha-bisabolol	515-69-5	0.1000	0.1190	
Beta-myrcene	123-35-3	0.1000	ND	
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	
Borneol	464-43-7	0.1000	ND	
Ocimene	13877-91-3	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	
Camphor	464-49-3	0.1000	ND	

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Compound	CAS#	LOQ (%)	%	Relative Concentration
3-Carene	13466-78-9	0.1000	ND	
Alpha-cedrene	469-61-4	0.1000	ND	
Cedrol	77-53-2	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	
Geranyl Acetate	105-87-3	0.1000	ND	
Isopulegol	89-79-2	0.1000	ND	
Menthol	15356-70-4	0.1000	ND	
Nerol	106-25-2	0.1000	ND	
Nerolidol		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	

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

Foreign Matter by Microscopy

Pass

Analysis Date: 02/29/2024 3:42 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.

Moisture LWG

Pass

Analysis Date: 02/29/2024 3:53 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	11.9	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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Lemon OG

Water Activity		Pass		Analysis Date: 02/29/2024 3:42 pm	
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: 03/04/2024 11:35 am	
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	
Chlufenapyr	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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Pesticides by LCMSMS		Pass	Analysis Date: 03/04/2024 11:35 am	
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
Fenoxy carb	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
Metalaxyll	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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Pesticides by LCMSMS		Pass	Analysis Date: 03/04/2024 11:35 am	
Compound	LOQ ($\mu\text{g/g}$)	Limits ($\mu\text{g/g}$)	Result ($\mu\text{g/g}$)	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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Mycotoxins by LCMSMS		Pass		Analysis Date: 03/04/2024 11:35 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: 03/02/2024 3:47 pm	
Compound		LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony		0.0100	2.00	ND	Pass
Arsenic		0.00100	0.200	ND	Pass
Cadmium		0.00150	0.300	0.116	Pass
Chromium		0.280	110	ND	Pass
Copper		0.0750	30.0	11.8	Pass
Lead		0.00250	0.500	ND	Pass
Mercury		0.000500	0.100	ND	Pass
Nickel		0.0100	5.00	0.448	Pass

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

Micro by Petri & qPCR		Pass		Analysis Date: 03/02/2024 3:16 pm	
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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Micro by Petri & qPCR		Pass	Analysis Date: 03/02/2024 3:16 pm	
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		7000	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".

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