



Date Released: 9/2/2025 6:10:21PM

Report #: 78970

**Lemon OG 1g Infused Pre-roll**

Sample #: 18052, Weight: 13.00g, Unit Count:  
 Order #: X250819-0068

Category/Type: Plant, Enhanced Preroll

Date Collected: 8/18/2025 12:40:00PM

Date Received: 8/19/2025 1:19:07PM

Date Sampled: 8/18/2025 9:17:00AM

Regulator Sample ID: LG0528071GFSI

Regulator Source Package ID: LG0528071GFSI

Regulator Batch ID: LG0528071GFSI

Size: 3200Units, Unit Count:



**Total Cannabinoids**  
 46.86 %  
 468.6 mg/g



**Total THC**  
 42.31 %  
 423.1 mg/g



**Total CBD**  
 0.1039 %  
 1.039 mg/g



**Total Terpenes**  
 4.438 %



**Moisture**  
 7.5 %



**Heavy Metals**  
 PASS



**Microbials**  
 PASS



**Residual Solvents**  
 PASS



**Pesticides**  
 PASS



**Mycotoxins**  
 PASS



**Water Activity**  
 PASS

Cannabinoids Avg					Total Cannabinoids: <b>46.86 % - 468.6 mg/g</b>		Date Completed: 08/23/2025 7:30PM	
					Total THC: <b>42.31 % - 423.1 mg/g</b>			
					Total CBD: <b>0.1039 % - 1.039 mg/g</b>			
Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration			
d9-THC	1972-08-3	0.001000	32.55	325.5	<div style="width: 100%; height: 10px; background-color: green;"></div>			
THCa	23978-85-0	0.001000	11.13	111.3	<div style="width: 35%; height: 10px; background-color: green;"></div>			
CBG	25654-31-3	0.001000	1.163	11.63	<div style="width: 3%; height: 10px; background-color: green;"></div>			
THCV	31262-37-0	0.001000	0.6473	6.473	<div style="width: 2%; height: 10px; background-color: green;"></div>			
CBGa	25555-57-1	0.001000	0.5451	5.451	<div style="width: 2%; height: 10px; background-color: green;"></div>			
CBC	20675-51-8	0.001000	0.4366	4.366	<div style="width: 1.5%; height: 10px; background-color: green;"></div>			
CBN	521-35-7	0.001000	0.2793	2.793	<div style="width: 1%; height: 10px; background-color: green;"></div>			

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 (607)301-0884  
 InfoNY@KeystoneStateTesting.com  
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 Permit #: OCM-CPL-00007

*Kelly Greenland*

Dr. Kelly Greenland, Lab Director





**Sample #: 18052**

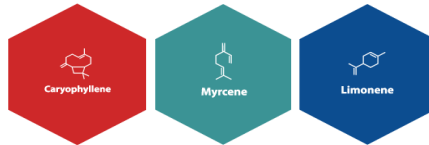
**Lemon OG 1g Infused Pre-roll**

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
CBDa	1244-58-2	0.001000	0.05850	0.5850	
CBD	13956-29-1	0.001000	0.05261	0.5261	
CBDV	24274-48-4	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: 08/23/2025 6:33PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
Beta-caryophyllene	87-44-5	0.1000	1.101	
Beta-myrcene	123-35-3	0.1000	0.8017	
Farnesene	502-61-4	0.1000	0.7888	
Limonene	5989-27-5	0.1000	0.3752	
Alpha-humulene	6753-98-6	0.1000	0.2506	
Linalool	78-70-6	0.1000	0.2364	
Alpha-pinene	80-56-8	0.1000	0.2357	
Beta-pinene	127-91-3	0.1000	0.2013	
Valencene	4630-07-3	0.1000	0.1803	

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**Sample #: 18052**

**Lemon OG 1g Infused Pre-roll**

Compound	CAS#	LOQ (%)	%	Relative Concentration
Terpineol	8006-39-1	0.1000	0.1494	<div style="width: 100%;"></div>
Fenchol	14575-74-7	0.1000	0.1176	<div style="width: 100%;"></div>
Results based on dry weight				
Terpinolene	586-62-9	0.1000	ND	
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	
Alpha-phellandrene	99-83-2	0.1000	ND	

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

**Moisture LWG**

**Pass**

Analysis Date: 08/23/2025 3:55 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	0 - 15	7.5	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Water Activity**

**Pass**

Analysis Date: 08/23/2025 3:55 pm

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.41	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: 08/23/2025 3:23 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.0100	0.500	ND	Pass

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Sample #: 18052

Lemon OG 1g Infused Pre-roll

Pesticides by LCMSMS

Pass

Analysis Date: 08/23/2025 3:23 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
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

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**Sample #: 18052**

**Lemon OG 1g Infused Pre-roll**

**Pesticides by LCMSMS**

**Pass**

Analysis Date: 08/23/2025 3:23 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
Fonicamid	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
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

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Sample #: 18052

Lemon OG 1g Infused Pre-roll

Pesticides by LCMSMS

Pass

Analysis Date: 08/23/2025 3:23 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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.

Residual Solvents by HS-GC-MS

Pass

Analysis Date: 08/21/2025 3:35 pm

Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
1,2-Dichloroethane	0.0500	5.00	ND	Pass
Acetone	50.00	5000	ND	Pass
Acetonitrile	50.00	410	ND	Pass
Benzene	0.5000	2.00	ND	Pass
Butanes Total	25.00	5000	ND	Pass

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**Sample #: 18052**

**Lemon OG 1g Infused Pre-roll**

**Residual Solvents by HS-GC-MS**

**Pass**

Analysis Date: 08/21/2025 3:35 pm

Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
Chloroform	0.5000	60.0	ND	Pass
Dimethyl Sulfoxide (DMSO)	50.00	5000	ND	Pass
Ethanol	50.00	5000	87.20	Pass
Ethyl acetate	50.00	5000	ND	Pass
Ethyl ether	50.00	5000	ND	Pass
Freon	50.00	1000	ND	Pass
Heptane	50.00	5000	ND	Pass
Hexanes Total	10.00	290	ND	Pass
Isopropanol	50.00	5000	ND	Pass
Methanol	50.00	3000	ND	Pass
Methylene chloride	50.00	600	ND	Pass
Pentanes Total	16.70	5000	ND	Pass
Propane	50.00	5000	ND	Pass
Toluene	50.00	890	ND	Pass
Total xylenes	25.00	2170	ND	Pass
Trichloroethane (1,1,1-)	50.00	1500	ND	Pass

Comment: Residual Solvents tested by GCMS using P-NY170. Unless otherwise stated, all QC passed. "TIC" stands for Tentatively Identified Compound but not quantitated.

**Mycotoxins by LCMSMS**

**Pass**

Analysis Date: 08/23/2025 3:23 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

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**Lemon OG 1g Infused Pre-roll**

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

**Heavy Metals by ICPMS**

**Pass**

Analysis Date: 08/21/2025 4:16 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	0.200	0.0650	Pass
Chromium	0.280	110	ND	Pass
Copper	0.0750	30.0	5.54	Pass
Lead	0.00250	0.500	0.0582	Pass
Mercury	0.000500	0.100	ND	Pass
Nickel	0.0100	5.00	0.0148	Pass

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

**Micro by Petri & qPCR**

**Pass**

Analysis Date: 08/22/2025 1:30 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
Salmonella Qualitative	1	0	Not Detected	Pass
Shiga Toxin-Producing E. coli Qualitative	1	0	Not Detected	Pass
Total Aerobic Bacteria	10		2000	Pass
Total Yeast & Mold	10		1000	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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