



Certificate of Analysis

Provided for quality control or research and development purposes.

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1 of 2

Fern Valley Farms

4725 Fern Valley Rd
Medford, OR 97504
fernvalleycbd@gmail.com
(541) 890-6985
Lic. #AG-R1052550IHG

Sample: 2510CH0347.1633

Strain: Lemon Octane
Batch#: ; Batch Size: g
Sample Received: 10/16/2025; Report Created: 10/23/2025
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

Lemon Octane

Plant, Hemp
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Analyte

THCa	
Δ9-THC	
Δ8-THC	
THCV	
CBDa	
CBD	
CBDV	
CBN	
CBGa	
CBG	
CBC	

Cannabinoids

1413 HPLC6 20251018-1
10/21/2025 | METRC THC RPD Status: Tested ; METRC CBD RPD Status: Tested ; METRC Δ8-THC RPD Status: Tested

Pass

0.83%

Total THC* (Calculated
Decarboxylated Potential)

17.46%

Total CBD** (Calculated
Decarboxylated Potential)

22.83%

Total Cannabinoids Analyzed

Moisture
7.0%
15.0 Limit

Water
Activity
NR
0.655 Limit

Microbial Potential

Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g
THCa	0.4	0.84	8.4
Δ9-THC	0.4	0.09	0.9
Δ8-THC	0.4	<LOQ	<LOQ
THCV	0.4	<LOQ	<LOQ
CBDa	0.4	19.41	194.1
CBD	0.4	0.43	4.3
CBDV	0.4	<LOQ	<LOQ
CBN	0.4	<LOQ	<LOQ
CBGa	0.4	1.89	18.9
CBG	0.4	0.10	1.0
CBC	0.4	0.06	0.6
Total		22.83	228.3

Method: CH SOP 4400

*Total THC = THCa * 0.877 + d9-THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected
>ULOQ = above upper LOQ. ChemHistory estimates its internal laboratory uncertainty acceptance limits to be 7% for sample cannabinoid potency results.



5691 SE International Way
Portland, OR
(503) 305-5252
http://chemhistory.com
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Patrick Trujillo
Laboratory Director

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Lemon Octane

Plant, Hemp
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Terpenes

1082 GCFID2 20251017-1
10/17/2025

Analyte	Mass	Mass	LOQ	Analyte	Mass	Mass	LOQ
	%	mg/g	%		%	mg/g	%
cis-Phytol	<LOQ	<LOQ	0.02	γ-Terpinene	<LOQ	<LOQ	0.02
Valencene	0.06	0.6	0.02	Anisole	<LOQ	<LOQ	0.02
Sabinene	<LOQ	<LOQ	0.02	Fenchone	<LOQ	<LOQ	0.02
Ocimene 1	<LOQ	<LOQ	0.02	Isoborneol	<LOQ	<LOQ	0.02
Geraniol	<LOQ	<LOQ	0.02	δ-Limonene	0.18	1.8	0.02
Neral	<LOQ	<LOQ	0.02	Ocimene 2	<LOQ	<LOQ	0.02
α-Humulene	0.04	0.4	0.02	Camphene	<LOQ	<LOQ	0.02
α-Terpinene	<LOQ	<LOQ	0.02	α-Phellandrene	<LOQ	<LOQ	0.02
trans-Phytol	0.02	0.2	0.02	γ-Terpineol	<LOQ	<LOQ	0.02
Caryophyllene Oxide	<LOQ	<LOQ	0.02	Geranyl Acetate	0.02	0.2	0.02
(-)-β-Pinene	0.02	0.2	0.02	β-Caryophyllene	0.18	1.8	0.02
α-Pinene	0.02	0.2	0.02	Sabinene Hydrate	<LOQ	<LOQ	0.02
Camphor	<LOQ	<LOQ	0.02	Nerol	<LOQ	<LOQ	0.02
(-)-α-Bisabolol	<LOQ	<LOQ	0.02	trans-Nerolidol	0.02	0.2	0.02
α-Cedrene	<LOQ	<LOQ	0.02	Borneol	<LOQ	<LOQ	0.02
Terpinolene	0.05	0.5	0.02	Hexahydro Thymol	<LOQ	<LOQ	0.02
Endo-Fenchyl Alcohol	<LOQ	<LOQ	0.02	Squalene	0.02	0.2	0.02
p-Isopropyltoluene	<LOQ	<LOQ	0.02	δ-3-Carene	<LOQ	<LOQ	0.02
Azulene	<LOQ	<LOQ	0.02	Eucalyptol	<LOQ	<LOQ	0.02
α-Terpineol	<LOQ	<LOQ	0.02	Eugenol	<LOQ	<LOQ	0.02
Cedrol	0.02	0.2	0.02	(-)-Isopulegol	<LOQ	<LOQ	0.02
Citral	<LOQ	<LOQ	0.02	Pulegone	<LOQ	<LOQ	0.02
(-)-Guaiaol	0.09	0.9	0.02	cis-Nerolidol	0.20	2.0	0.02
Linalool	0.08	0.8	0.02	β-Farnesene	0.60	6.0	0.02
Neryl Acetate	<LOQ	<LOQ	0.02	cis-β-Farnesene	0.04	0.4	0.02
β-Myrcene	0.72	7.2	0.02	α-Farnesene	0.08	0.8	0.02

Primary Aromas

2.46%					
Total Terpenes	Hops	Magnolia	Flowers	Cinnamon	Lemon

Method: GC-FID CH SOP 4401; based on dry weight; LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected



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