

# Regulatory Compliance Testing CERTIFICATE OF ANALYSIS

**DATE ISSUED 03/20/2025** 

SAMPLE DETAILS OVERALL BATCH RESULT: OPASS

SAMPLE NAME: Lemon Cheesecake

Flower, Inhalable

**CULTIVATOR / MANUFACTURER** 

Business Name: License Number:

Address:

SAMPLE DETAIL

Batch Number: Sample ID: 250320M021 Source Metrc UID: **DISTRIBUTOR** 

Business Name: License Number:

Address:

Date Collected: 03/20/2025 Date Received: 03/21/2025 Batch Size: 13620.0 grams

Sample Size: 48.0 grams

Unit Mass: Serving Size:



### CANNABINOID ANALYSIS - SUMMARY

Sum of Cannabinoids: 30.9092%%

Total Cannabinoids: 29.2912%

Total THC: 28.6882%

Total CBD: 0.0414%

Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN Total Cannabinoids =  $(\Delta^9$ -THC+0.877\*THCa+ $\Delta^8$ -THC) +

(CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBDV+0.877\*CBDVa) + CBL + CBN

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total THC =  $\Delta^9$ -THC + (THCa (0.877)) +  $\Delta^8$ -THC

Total CBD = CBD + (CBDa (0.877))

#### CALCULATED USING DRY-WEIGHT

Moisture: 12.3%

# TERPENOID ANALYSIS - SUMMARY

Total Terpenoids: 2.9322%

β-Caryophyllene 9.914 mg/g

Limonene 7.441 mg/g

39 TESTED, TOP 3 HIGHLIGHTED

 $\alpha$ -Humulene 2.857 mg/g

### SAFETY ANALYSIS - SUMMARY

Foreign Material: **PASS** Water Activity: **PASS** 

These results relate only to the sample included on this report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT),  $\mu g/g = ppm$ ,  $\mu g/kg = ppb$ 

Michael Pham Job Title: Senior Laboratory Analyst Date: 03/24/2025

All LQC samples were performed and

met the prescribed acceptance criteria

in 4 CCR section 15730, as attested by:

Approved by: Josh Wurzer

Job Title: Chief Compliance Officer
Date: 03/24/2025



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#### CANNABINOID TEST RESULTS - 03/23/2025

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD). Calculated using Dry-Weight. **Method**: QSP 1157 - Analysis of Cannabinoids by

TOTAL CANNABINOIDS: 29.2912%
Total Cannabinoids (Total THC) + (Total CBD) +
(Total CBG) + (Total THCV) + (Total CBC) +
(Total CBDV) + CBL + CBN

TOTAL THC: 28.6882% Total THC ( $\Delta^{9}$ -THC+0.877\*THCa+ $\Delta^{8}$ -THC)

TOTAL CBD: 0.0414% Total CBD (CBD+0.877\*CBDa) TOTAL CBG: 0.4426% Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: 0.119%

TOTAL CBC: ND
Total CBC (CBC+0.877\*CBCa

TOTAL CBDV: ND
Total CBDV (CBDV+0.877\*CBDVa)

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.062 / 0.250	±4.8770	299.619	29.9619
$\Delta^9$ -THC	0.047 / 0.250	±0.2949	2.688	0.2688
CBGa	0.040 / 0.250	±0.1211	4.308	0.4308
THCVa	0.040 / 0.250	±0.0122	1.357	0.1357
CBG	0.037 / 0.250	±0.0084	0.648	0.0648
CBDa	0.031 / 0.250	±0.0086	0.472	0.0472
$\Delta^8$ -THC	0.075 / 0.250	N/A	ND	ND
THCV	0.052 / 0.250	N/A	ND	ND
CBD	0.062 / 0.250	N/A	ND	ND
CBDV	0.044 / 0.250	N/A	ND	ND
CBDVa	0.017 / 0.250	N/A	ND	ND
CBL	0.126 / 0.382	N/A	ND	ND
CBN	0.033 / 0.250	N/A	ND	ND
СВС	0.072 / 0.250	N/A	ND	ND
CBCa	0.199 / 0.500	N/A	ND	ND
SUM OF CANNABINOIDS		309.092 mg/g	30.9092%	

#### MOISTURE TEST RESULT

12.3% Tested 03/24/2025 Method: QSP 1224 -Loss on Drying (Moisture)

## TERPENOID TEST RESULTS - 03/23/2025

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID). **Method:** QSP 1192 - Analysis of Terpenoids by GC-FID

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β-Caryophyllene	0.004 / 0.013	±0.5334	9.914	0.9914
Limonene	0.005 / 0.016	±0.2426	7.441	0.7441
α-Humulene	0.009 / 0.180	±0.1537	2.857	0.2857
Linalool	0.009 / 0.036	±0.0685	1.742	0.1742
$\alpha\text{-Bisabolol}$	0.008 / 0.026	±0.0572	1.330	0.1330
β-Pinene	0.004 / 0.015	±0.0358	1.108	0.1108
α-Pinene	0.005 / 0.036	±0.0373	1.043	0.1043

#### TERPENOID TEST RESULTS - 03/23/2025 continued

Valencene         0.010 / 0.180         ±0.0427           Terpineol         0.008 / 0.025         ±0.0338           Fenchol         0.009 / 0.036         ±0.0201           Nerolidol         0.006 / 0.021         ±0.0412           Myrcene         0.007 / 0.025         ±0.0179	0.828     0.0828       0.552     0.0552       0.546     0.0546       0.521     0.0521       0.507     0.0507       0.264     0.0264
Fenchol         0.009 / 0.036         ±0.0201           Nerolidol         0.006 / 0.021         ±0.0412	0.546       0.0546         0.521       0.0521         0.507       0.0507         0.264       0.0264
Nerolidol 0.006 / 0.021 ±0.0412	0.521     0.0521       0.507     0.0507       0.264     0.0264
	0.507 0.0507 0.264 0.0264
<b>Myrcene</b> 0.007 / 0.025 ±0.0179	0.264 0.0264
β- <b>Ocimene</b> 0.005 / 0.025 ±0.0104	
Camphene 0.004 / 0.014 ±0.0052	0.159 0.0159
trans-β-Farnesene 0.008 / 0.028 ±0.0082	0.144 0.0144
Borneol 0.004 / 0.014 ±0.0063	0.135 0.0135
Caryophyllene Oxide         0.011 / 0.038         ±0.0052	0.087 0.0087
Terpinolene 0.008 / 0.036 ±0.0013	0.087 0.0087
Citronellol 0.003 / 0.036 ±0.0016	0.057 0.0057
Eucalyptol 0.005 / 0.018 N/A	<loq <loq<="" th=""></loq>
Fenchone 0.008 / 0.036 N/A	<loq <loq<="" th=""></loq>
γ -Terpinene 0.005 / 0.018 N/A	<loq <loq<="" th=""></loq>
Geranyl Acetate 0.004 / 0.036 N/A	<loq <loq<="" th=""></loq>
Guaiol 0.011 / 0.035 N/A	<loq <loq<="" th=""></loq>
Nerol 0.003 / 0.036 N/A	<loq <loq<="" th=""></loq>
<b>Sabinene Hydrate</b> 0.007 / 0.036 <i>N/A</i>	<loq <loq<="" th=""></loq>
α-Cedrene 0.005 / 0.017 N/A	ND ND
α-Phellandrene 0.006 / 0.036 N/A	ND ND
α-Terpinene 0.006 / 0.019 N/A	ND ND
Camphor 0.005 / 0.036 N/A	ND ND
Cedrol 0.009 / 0.032 N/A	ND ND
Δ³-Carene 0.005 / 0.018 N/A	ND ND
Geraniol 0.002 / 0.036 N/A	ND ND
Isoborneol 0.003 / 0.011 N/A	ND ND
Isopulegol 0.004 / 0.036 N/A	ND ND
Menthol 0.008 / 0.025 N/A	ND ND
p-Cymene 0.005 / 0.015 N/A	ND ND
Pulegone 0.003 / 0.010 N/A	ND ND
<b>Sabinene</b> 0.004 / 0.014 N/A	ND ND
TOTAL TERPENOIDS	29.322 mg/g 2.9322%



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# CATEGORY 1 PESTICIDE TEST RESULTS - 03/23/2025 PASS

 $\label{perconstruction} Pesticide \ and \ plant \ growth \ regulator \ analysis \ utilizing \ high-performance \ liquid \ chromatography-mass \ spectrometry \ (HPLC-MS) \ or \ gas \ chromatography-mass$ spectrometry (GC-MS). \*GC-MS utilized where indicated. Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT RESULT (μg/g)
Aldicarb	0.03 / 0.08	≥ LOD	N/A	ND PASS
Carbofuran	0.02 / 0.05	≥ LOD	N/A	ND PASS
Chlordane*	0.03 / 0.08	≥ LOD	N/A	ND PASS
Chlorfenapyr*	0.03 / 0.10	≥ LOD	N/A	ND PASS
Chlorpyrifos	0.02 / 0.06	≥ LOD	N/A	ND PASS
Coumaphos	0.02 / 0.07	≥ LOD	N/A	ND PASS
Daminozide	0.02 / 0.07	≥ LOD	N/A	ND PASS
Dichlorvos (DDVP)	0.03 / 0.09	≥ LOD	N/A	ND PASS
Dimethoate	0.03 / 0.08	≥ LOD	N/A	ND PASS
Ethoprophos	0.03 / 0.10	≥ LOD	N/A	ND PASS
Etofenprox	0.02 / 0.06	≥ LOD	N/A	ND PASS
Fenoxycarb	0.03 / 0.08	≥ LOD	N/A	ND PASS
Fipronil	0.03 / 0.08	≥ LOD	N/A	ND PASS
Imazalil	0.02 / 0.06	≥ LOD	N/A	ND PASS
Methiocarb	0.02 / 0.07	≥ LOD	N/A	ND PASS
Mevinphos	0.03 / 0.09	≥ LOD	N/A	ND PASS
Paclobutrazol	0.02 / 0.05	≥ LOD	N/A	ND PASS
Parathion-methyl	0.03 / 0.10	≥ LOD	N/A	ND PASS
Propoxur	0.03 / 0.09	≥ LOD	N/A	ND PASS
Spiroxamine	0.03 / 0.08	≥ LOD	N/A	ND PASS
Thiacloprid	0.03 / 0.10	≥ LOD	N/A	ND PASS

# CATEGORY 2 PESTICIDE TEST RESULTS - 03/23/2025 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT RE	SULT
Abamectin	0.03 / 0.10	0.1	N/A	ND P	ASS
Acephate	0.02 / 0.07	0.1	N/A	ND P	ASS
Acequinocyl	0.02 / 0.07	0.1	N/A	ND P	ASS
Acetamiprid	0.02 / 0.05	0.1	N/A	ND P	ASS
Azoxystrobin	0.02 / 0.07	0.1	N/A	ND P	ASS
Bifenazate	0.01 / 0.04	0.1	N/A	ND P	ASS
Bifenthrin	0.02 / 0.05	3	N/A	ND P	ASS
Boscalid	0.03 / 0.09	0.1	N/A	ND P	ASS
Captan	0.19 / 0.57	0.7	N/A	ND P	ASS
Carbaryl	0.02 / 0.06	0.5	N/A	ND P	ASS
Chlorantranilip- role	0.04 / 0.12	10	N/A	ND P	ASS
Clofentezine	0.03 / 0.09	0.1	N/A	ND P	ASS

## CATEGORY 2 PESTICIDE TEST RESULTS - 03/23/2025 continued

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Cyfluthrin	0.12 / 0.38	2	N/A	ND	PASS
Cypermethrin	0.11 / 0.32	1	N/A	ND	PASS
Diazinon	0.02 / 0.05	0.1	N/A	ND	PASS
Dimethomorph	0.03 / 0.09	2	N/A	ND	PASS
Etoxazole	0.02 / 0.06	0.1	N/A	ND	PASS
Fenhexamid	0.03 / 0.09	0.1	N/A	ND	PASS
Fenpyroximate	0.02 / 0.06	0.1	N/A	ND	PASS
Flonicamid	0.03 / 0.10	0.1	N/A	ND	PASS
Fludioxonil	0.03 / 0.10	0.1	N/A	ND	PASS
Hexythiazox	0.02 / 0.07	0.1	N/A	ND	PASS
Imidacloprid	0.04 / 0.11	5	N/A	ND	PASS
Kresoxim-methyl	0.02 / 0.07	0.1	N/A	ND	PASS
Malathion	0.03 / 0.09	0.5	N/A	ND	PASS
Metalaxyl	0.02 / 0.07	2	N/A	ND	PASS
Methomyl	0.03 / 0.10	1	N/A	ND	PASS
Myclobutanil	0.03 / 0.09	0.1	N/A	ND	PASS
Naled	0.02 / 0.07	0.1	N/A	ND	PASS
Oxamyl	0.04 / 0.11	0.5	N/A	ND	PASS
Pentachloronitro- benzene (Quintozene)*	0.03 / 0.09	0.1	N/A	ND	PASS
Permethrin	0.04 / 0.12	0.5	N/A	ND	PASS
Phosmet	0.03 / 0.10	0.1	N/A	ND	PASS
Piperonyl Butoxide	0.02 / 0.07	3	N/A	ND	PASS
Prallethrin	0.03 / 0.08	0.1	N/A	ND	PASS
Propiconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Pyrethrins	0.04 / 0.12	0.5	N/A	ND	PASS
Pyridaben	0.02 / 0.07	0.1	N/A	ND	PASS
Spinetoram	0.02 / 0.07	0.1	N/A	ND	PASS
Spinosad	0.02 / 0.07	0.1	N/A	ND	PASS
Spiromesifen	0.02 / 0.05	0.1	N/A	ND	PASS
Spirotetramat	0.02 / 0.06	0.1	N/A	ND	PASS
Tebuconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Thiamethoxam	0.03 / 0.10	5	N/A	ND	PASS
Trifloxystrobin	0.03 / 0.08	0.1	N/A	ND	PASS



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### MYCOTOXIN TEST RESULTS - 03/23/2025 PASS

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS). Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (μg/kg)	MEASUREMENT UNCERTAINTY (μg/kg)	RESULT (μg/kg)	RESULT
Aflatoxin B1	2.0 / 6.0		N/A	ND	
Aflatoxin B2	1.8 / 5.6		N/A	ND	
Aflatoxin G1	1.0 / 3.1		N/A	ND	
Aflatoxin G2	1.2 / 3.5		N/A	ND	
Ochratoxin A	6.3 / 19.2	20	N/A	ND	PASS
Total Aflatoxin	·	20	·	ND	PASS

## HEAVY METALS TEST RESULTS - 03/23/2025 PASS

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS). Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	0.02 / 0.1	0.2	N/A	ND	PASS
Cadmium	0.02 / 0.05	0.2	±0.006	0.07	PASS
Lead	0.04 / 0.1	0.5	N/A	ND	PASS
Mercury	0.002 / 0.01	0.1	N/A	<loq< th=""><th>PASS</th></loq<>	PASS

### MICROBIOLOGY TEST RESULTS - 03/23/2025 PASS

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants. Method: QSP 1221 - Analysis of Microbiological Contaminants

COMPOUND	ACTION LIMIT		RESULT
Aspergillus flavus	Not Detected in 1g	ND	PASS
Aspergillus fumigatus	Not Detected in 1g	ND	PASS
Aspergillus niger	Not Detected in 1g	ND	PASS
Aspergillus terreus	Not Detected in 1g	ND	PASS
Salmonella spp.	Not Detected in 1g	ND	PASS
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS

### FOREIGN MATERIAL TEST RESULTS - 03/23/2025 PASS

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta. Method: QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

COMPOUND	ACTION LIMIT	RESULT	RESULT
Hair Count	> 1 per 3 grams	0.0	PASS
Insect Fragment Count	> 1 per 3 grams	0.0	PASS
Mammalian Excreta Count	> 1 per 3 grams	0.0	PASS
Total Sample Area Covered by an Imbedded Foreign Material	>25%	None	PASS
Total Sample Area Covered by Mold	>25%	None	PASS
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	None	PASS

### WATER ACTIVITY TEST RESULTS - 03/23/2025 PASS

Method: QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

COMPOUND	IND LOD/LOQ L (Aw)		MEASUREMENT UNCERTAINTY (Aw)	RESULT RE	SULT
Water Activity	0.030 / 0.15	0.65	±0.004	0.53 F	PASS