



Lemon G (CBG)



sales@cbdseedlabs.com

442-222-8595

www.cbdseedlabs.com



Lemon G

Genetic Lineage
(Lemon G- CBG)

Terpene Profile



CBG % THC %
10 - 18% **<0.1 %**



CBG : THC Ratio
181 : 1



Flower Type
Photoperiod



Flower Period
56 - 63 days



Germination Feminization
98% **99.9%**

COA - Legal Compliance Test



Pre-Harvest Hemp Lab Test Report CERTIFICATE OF ANALYSIS

DATE ISSUED 10/23/2020 | RESULT: ✔ PASS
PASSED AS CALIFORNIA INDUSTRIAL HEMP^{1,2}

CULTIVATOR / MANUFACTURER

Cultivar Name: Lemon G
GPS Location: 36.704° N, 121.3256° W
Address: 265 Limekiln Rd
Hollister CA 95023
Site Description: 200 square feet,
Farming Nuts Ranch/Front Field

Registration #: 35-1900175
Registrant Name: Kayagene, LLC
Registrant Address: 1320 B S. Main Street
#270, Salinas, CA 93908
Contact Phone: 831.970.7382



SAMPLE DETAIL

Sample ID: 35-1900175-012
Date of Sampling: 10/19/2020
Sampler Name: Ken Griffin
Sampler Company: County of San
Benito Agricultural Commissioner's Office

Date Received: 10/19/2020
Received By: Jamie Livengood
Date Tested: 10/22/2020
Tested By: Jackson Waite-Himmelwright



Scan QR code to verify
authenticity of results.

INDUSTRIAL HEMP ANALYSIS

Cannabinoid Test Results - 10/22/2020

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

TOTAL THC: 0.0%

Total THC ($\Delta 9$ THC + $0.877 \times$ THCa)

$\Delta 9$ THC: 0.05%

THCa: ND

TOTAL CBD: <LOQ

Total CBD (CBD + $0.877 \times$ CBDa)

TOTAL CANNABINOIDS: 5.99%

Total Cannabinoids ($\Delta 9$ THC + $0.877 \times$ THCa) +
(CBD + $0.877 \times$ CBDa) + (CBG + $0.877 \times$ CBGa) +
(THCV + $0.877 \times$ THCVa) + (CBC + $0.877 \times$ CBCa) +
(CBDV + $0.877 \times$ CBDVa) + $\Delta 8$ THC + CBL + CBN

MOISTURE: NT

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBGa	0.1 / 0.4	± 2.19	31.6	3.16
CBG	0.2 / 0.5	± 2.65	31.1	3.11
CBC	0.1 / 0.2	± 0.05	1.1	0.11
$\Delta 9$ THC	0.1 / 0.4	± 0.02	0.5	0.05
CBD	0.1 / 0.3	N/A	<LOQ	<LOQ
CBGa	0.1 / 0.4	N/A	<LOQ	<LOQ
$\Delta 8$ THC	0.05 / 0.15	N/A	ND	ND
THCa	0.04 / 0.12	N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
THCVa	0.05 / 0.15	N/A	ND	ND
CBDa	0.06 / 0.17	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBDVa	0.02 / 0.06	N/A	ND	ND
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
SUM OF CANNABINOIDS			64.3 mg/g	6.43%

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.

- As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol ($\Delta 9$ -THC) post-decarboxylation - see formula above.
- California Code of Regulations Division 4, Chapter 8, Article 2, Regulations for Industrial Hemp Cultivation Authority cited: Sections 407 and 81006, Food and Agricultural Code Reference: Sections 81000, 81006, Food and Agricultural 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)

Signature of Mackenzie Whitman
LSC verified by: Mackenzie Whitman
Date: 10/23/2020
Signature of Josh Wurzer
Approved by: Josh Wurzer, President
Date: 10/23/2020

COA - Fully Matured Test (30 days post compliance)



Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 09/03/2020

SAMPLE NAME: Lemon G #2

Flower, Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR

Business Name: Kayagene

License Number:

Address: 20510 Spence rd. Salinas, CA



SAMPLE DETAIL

Batch Number:

Sample ID: 200901P023

Date Collected: 09/01/2020

Date Received: 09/01/2020

Batch Size:

Sample Size:

Unit Mass:

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

CALCULATED USING DRY-WEIGHT

Total THC: 0.1%

Total CBD: Not Detected

Sum of Cannabinoids: 18.19%

Total Cannabinoids: 16.14%

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 = $\Delta 9\text{THC} + (\text{THCa} \div 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDA} \div 0.877)$
 Sum of Cannabinoids = $\Delta 9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDA} + \text{CBG} + \text{CBGA} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$
 Total Cannabinoids = $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDA}) + (\text{CBG} + 0.877 \cdot \text{CBGA}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

Moisture: 8.8%

Density: NT

Viscosity: NT

SAFETY ANALYSIS - SUMMARY

Pesticides: NT

Mycotoxins: NT

Residual Solvents: NT

Heavy Metals: NT

Microbial Impurities (PCR): NT

Microbial Impurities (Plating): NT

Foreign Material: NT

Water Activity: NT

Vitamin E Acetate: NT

For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. 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 16 Effect Date January 16, 2019. Authority: Section 26013, Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

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References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

Carmen Stackhouse
 LQC verified by: Carmen Stackhouse
 Date: 09/03/2020

Josh Wuzer
 Approved by: Josh Wuzer, President
 Date: 09/03/2020

Terpene Analysis



α -Pinene	0.34	87.09
Camphene	0.33	25.32
Sabinene	0.99	< LOQ
β -Myrcene	1.00	2181.86
beta-Pinene	0.33	126.38
α -Phellandrene	1.00	< LOQ
(1S)-(+)-3-Cerene	0.99	< LOQ
α -Terpinene	0.33	0.74
D-Limonene	0.99	886.15
Ocimene	0.79	< LOQ
Eucalyptol	1.00	< LOQ
γ -Terpinene	0.33	1.39
Terpinolene	0.99	< LOQ
Sabinene Hydrate	1.00	< LOQ
Linalool	1.00	197.04
Fenchone	0.22	29.39
(1R)-endo-(+)-Fenchyl alcohol	0.33	91.87
(-)-Isopulegol	2.99	< LOQ
Camphor	0.33	< LOQ
Isoborneol	2.99	< LOQ
dl-Menthol	1.00	< LOQ
Borneol	0.22	22.21
α -Terpineol	0.81	104.59
γ -Terpineol	0.55	< LOQ
Nerol	2.99	< LOQ
Geraniol	8.94	< LOQ
(+)-Pulegone	0.99	< LOQ
Geranyl acetate	2.98	< LOQ
α -Cedrene	0.33	< LOQ
trans-Caryophyllene	3.00	2629.68
α -Humulene	0.33	565.51
α -Farnesene	26.94	< LOQ
Valencene	3.00	205.79
cis-Nerolidol	2.99	< LOQ
trans-Nerolidol	3.00	55.77
Guaiol	0.99	351.69
(-)-Caryophyllene oxide	8.98	139.34

Terpene Chart

Lemon G (CBG)

Linalool

2.6%

Valencene

2.7%

Guaiol

4.6%

Bisabolol

6.2%

Humulene

7.4%

Limonene

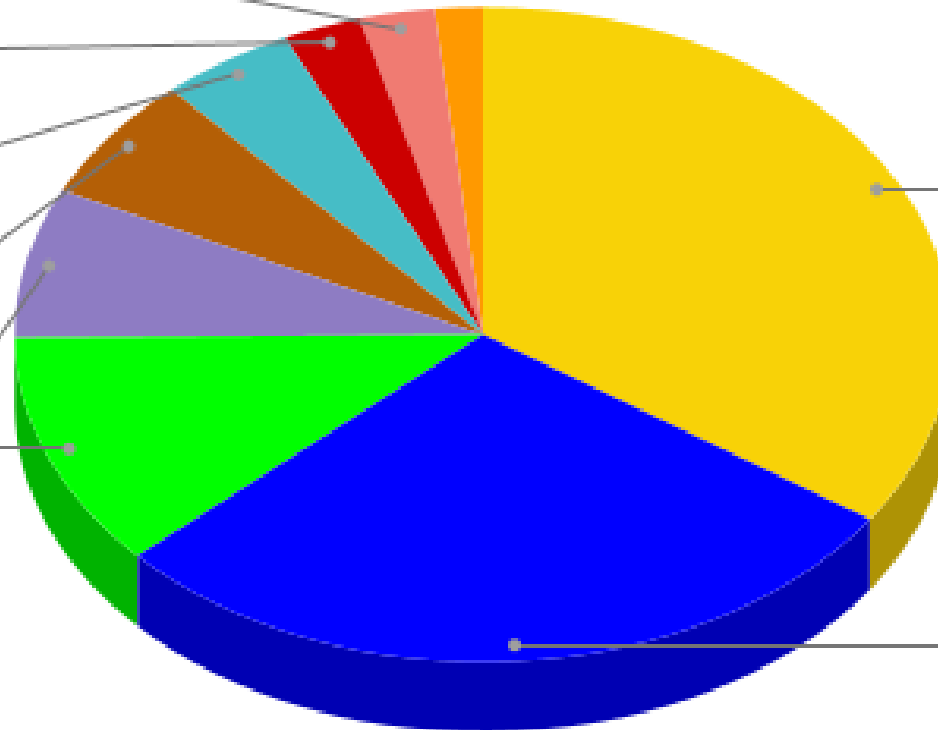
11.6%

Caryophyllene

34.5%

Myrcene

28.7%



Germination & Purity Report



Colorado Seed Laboratory

Dept of Soil & Crop Sciences, CSU
Fort Collins, CO 80523

Laboratory Report Of Analysis

Pacific Farm Resources / CBD
Seed Labs
3540 Bedford Circle
Carlsbad, CA 92008

Account No.	Date Received	Date Completed	Lab Number
4248	10/25/22	11/01/22	23-2487

Information Provided by Sender

Variety/Product	lemon G
Kind	Hemp
Genus/Species	Cannabis sativa
Lot Number	4
Class	Service

Purity Analysis			Viability Analysis					
Component	in 50 grams	Purity	Germ Date	Germ	Dormant	Hard	Viable	PLS
Hemp	<i>Cannabis sativa</i>	99.98%	11/01/22	99	-N-	-N-	99	98.98
	Weed seed	0.00%						
	Crop seed	0.00%						
	Inert matter	0.02%						

Other Crop Seeds	None Found	Noxious Weed Seeds in 500 grams	None Found
		For: CO	(P)Prohibited Noxious (R)Restricted Noxious

Weed Seeds	None Found	Other Determinations	Seed count	38,583 Seeds/lb
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Status: Completed

Tests Requested: Germination, Purity, Seed count. No other tests requested.

Services Requested: Return sample, Rush

WARRANTY: The Association warrants that the purity and germination test results reported on this form have been carried out in accordance with AOSA rules unless otherwise specified. Test results reflect the condition of the submitted sample and may not reflect the condition of the seed lot from which the sample was taken.
DISCLAIMER OF WARRANTIES: THE ASSOCIATION MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Signature: Randy Crowl

2024 Hemp Registration



County of San Diego

DEPARTMENT OF AGRICULTURE, WEIGHTS AND MEASURES
9325 HAZARD WAY, STE. 100, SAN DIEGO, CA 92123-1217
(858) 694-2739
FAX (858) 467-9278
<http://www.sdawm.org>

HA DANG
AGRICULTURAL COMMISSIONER/
SEALER OF WEIGHTS AND MEASURES

MÉGAN MOORE
ASST. AGRICULTURAL COMMISSIONER/
SEALER OF WEIGHTS AND MEASURES

PACIFIC FARM RESOURCES LLC
Registration #: 37-220135G
2604-B #408 El Camino Real
CARLSBAD, CA 92008

Thank you for registering to cultivate industrial hemp as a grower. Your registration for industrial hemp cultivation is valid from 08/03/2023 through 08/02/2024.

If you have any questions regarding your registration, please contact the Agricultural Standards Division at (858) 614-7786 or AgStandards.AWM@sdcounty.ca.gov.

County of San Diego
Agricultural Commissioner's Office

PROOF OF REGISTRATION FOR INDUSTRIAL HEMP CULTIVATION

PACIFIC FARM RESOURCES
LLC
2604-B #408 El Camino Real
CARLSBAD, CA 92008



REGISTRATION #:
06_370135G

REGISTRATION EXPIRES:
08/02/2024

Approving Officer's Signature



Title

Supervising Agricultural Standards Inspector

Date

8/3/2023



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