



**Phyto-farma Labs**  
 49 John Hicks Drive  
 Warwick, NY 10990  
 Permit#: OCM-CPL-2022-00004  
 Phone: 845-988-0937

Compliance

# Certificate Of Analysis

## Results Summary

Cannabinoids Profile	
Terpenes	
Filth and Foreign Material	PASS
Microbial Impurities (MDG for STEC, Salmonella, Asp sp.)	PASS
Microbial Impurities (Total Aerobic Bacteria/CDP-TC)	PASS
Microbial Impurities (Total Yeast and Mold/CDP-YMR)	PASS
Moisture Content	PASS
Mycotoxins	PASS
Pesticides	PASS
Pesticides cont.	PASS
Trace Metals	PASS
Water Activity	PASS

**Client Name:** Greenleaf Cannabis LLC

**Contact Name:** Kristine DeMarco

**Address:** 594 King Road  
 Buskirk, NY 12028

**Phone:** 2032585468

**License Number:** AUCC-22-000025

**Sample Description:** Blue Dream

**Lot Number:** 2201

**Regulatory Category:** Adult Use

**Sample Matrix:** Un-Extracted

**Delivery Method:** Inhalation

**Sample Type:** Flower

**Sample Subtype:** Flower

**Sampling Site:** 594 King Rd Buskirk, NY 12028

**Sampling Date and Time:** 11/20/2023 12:38 AM

# Certificate Of Analysis

## Cannabinoids Profile

**Date analyzed:** 11/27/2023

**Method:** NY.SOP.T.40.260

**Analyst:** Stephanie Knapp

**Date started:** 11/21/2023 12:46 PM

Analyte	Result (%w/w)	LOQ (%w/w)	mg/serving
Δ8-THC†	<LOQ	0.02	<LOQ
Δ9-THC†	1.41	0.02	49.35
Δ10-THC-RS†	<LOQ	0.02	<LOQ
Δ10-THC-RR†	<LOQ	0.02	<LOQ
Tetrahydrocannabinolic acid (THCA)†	22.96	0.02	803.6
Tetrahydrocannabivarin (THCV)	<LOQ	0.02	<LOQ
Cannabidiol (CBD)*	<LOQ	0.02	<LOQ
Cannabinadiolic acid (CBDA)*	<LOQ	0.02	<LOQ
Cannabidivarin (CBDV)	<LOQ	0.02	<LOQ
Cannabinol (CBN)	<LOQ	0.02	<LOQ
Cannabigerol (CBG)	<LOQ	0.02	<LOQ
Cannabigerolic acid (CBGA)	<LOQ	0.02	<LOQ
Cannabichromene (CBC)	<LOQ	0.02	<LOQ
†Total Tetrahydrocannabinol (THC)	21.55	N/A	754.11
*Total Cannabidiol (CBD)	0	N/A	0

*Analysis Instrument*

*3 HPLC*

V125.32

# Certificate Of Analysis

## Terpenes

**Date analyzed:** 11/27/2023

**Method:** NY.SOP.T.40.090

**Analyst:** Destiny Ribadeneyra

**Date started:** 11/22/2023 11:31 AM

Analyte	Result (%w/w)	LOQ
3-Carene	<LOQ	0.02
alpha-Bisabolol	0.1	0.02
alpha-Humulene	0.1	0.03
alpha-Phellandrene	<LOQ	0.03
alpha-Pinene	0.3	0.02
alpha-Terpinene	<LOQ	0.01
alpha-Terpineol	<LOQ	0.02
beta-Myrcene	0.2	0.03
beta-Pinene	0.1	0.03
Borneol	<LOQ	0.02
Camphene	<LOQ	0.02
Camphor	<LOQ	0.02
Caryophyllene oxide	<LOQ	0.03
Cedrene	<LOQ	0.02
Cedrol	<LOQ	0.03
cis-Nerolidol	<LOQ	0.03
cis-Ocimene	<LOQ	0.03
Eucalyptol	<LOQ	0.04
Farnesene	0.2	0.04
Fenchol	<LOQ	0.02
Fenchone	<LOQ	0.03
gamma-Terpinene	<LOQ	0.02
gamma-Terpineol	<LOQ	0.02
Geraniol	<LOQ	0.02
Geranyl Acetate	<LOQ	0.03



**Phyto-farma Labs**  
 49 John Hicks Drive  
 Warwick, NY 10990  
 Permit#: OCM-CPL-2022-00004  
 Phone: 845-988-0937

Compliance

# Certificate Of Analysis

Guaiol	<LOQ	0.03
Isoborneol	<LOQ	0.02
Isopulegol	<LOQ	0.03
Limonene	<LOQ	0.04
Linalool	<LOQ	0.02
Menthol	<LOQ	0.02
Nerol	<LOQ	0.03
Pulegone	<LOQ	0.03
Sabinene	0.1	0.02
Sabinene Hydrate	<LOQ	0.02
Terpinolene	<LOQ	0.02
trans-b-Ocimene	<LOQ	0.02
trans-Caryophyllene	0.3	0.03
trans-Nerolidol	<LOQ	0.04
Valencene	<LOQ	0.03
TOTAL	1.4	

*Analysis Instrument*

*29 GC-MS*

V151.5

# Certificate Of Analysis

## Filth and Foreign Material

**PASS**

Date analyzed: 11/22/2023

Method: NYS.SOP.T.040.250

Analyst: Kristy Lee

Date started: 11/22/2023 02:15 PM

Analyte	Result	LOQ	Allowable Limit	Pass/Fail
Mammalian excreta (mg/lb)	0	0	1	PASS
Stems >3mm in diameter (%)	0	0	5	PASS
Other Foreign Material (%)	0	0	2	PASS
			Overall Status	PASS

Analysis Instrument

123 Balance - Radwag

## Microbial Impurities (MDG for STEC, Salmonella, Asp sp.)

**PASS**

Date analyzed: 11/29/2023

Method: NYS.SOP.T.40.273

Analyst: Kristy Lee

Date started: 11/21/2023 08:24 AM

Microbial Species	Microbial Type	Detection Status	Pass/Fail
Shiga toxin-producing Escherichia coli	Bacteria	Not Detected	PASS
Salmonella species	Bacteria	Not Detected	PASS
Aspergillus flavus	Fungal	Not Detected	PASS
Aspergillus niger	Fungal	Not Detected	PASS
Aspergillus terreus	Fungal	Not Detected	PASS
Aspergillus fumigatus	Fungal	Not Detected	PASS
		Overall Status	PASS

Analysis Instrument

125 Agilent AriaMx Real-time PCR System

V182.2

# Certificate Of Analysis

## Microbial Impurities (Total Aerobic Bacteria/CDP-TC)

**PASS**

Date analyzed: 11/29/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 11/21/2023 08:23 AM

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
5700000	5	N/A	PASS

Analysis Instrument

87 Colony Counter

V149.7

## Microbial Impurities (Total Yeast and Mold/CDP-YMR)

**PASS**

Date analyzed: 12/01/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 11/21/2023 08:23 AM

Microbial Species	Result (cfu/g)	LOQ	Allowable Limit	Pass/Fail
Mold Count	18000	5	N/A	PASS
Yeast Count	<LOQ	5	N/A	PASS
Total Yeast and Mold	18000		N/A	PASS
			Overall Status	PASS

Analysis Instrument

87 Colony Counter

V150.9

# Certificate Of Analysis

## Moisture Content

**PASS**

**Date analyzed:** 11/27/2023

**Method:** NY.SOP.T.040.220

**Analyst:** Destiny Ribadeneyra

**Date started:** 11/26/2023 05:42 PM

Result (%)	LOQ	Allowable Limit	Pass/Fail
11.6	0.0	5.0 - 15.0	<b>PASS</b>

*Analysis Instrument*

*4 Moisture Balance*

V140.28

## Mycotoxins

**PASS**

**Date analyzed:** 11/27/2023

**Method:** NY.SOP.T.40.180

**Analyst:** Destiny Ribadeneyra

**Date started:** 11/22/2023 11:31 AM

Analyte	Result (µg/g)	LOQ (µg/g)	Allowable Limit	Pass/Fail
Aflatoxin B1	<LOQ	0.001	0.02	<b>PASS</b>
Aflatoxin B2	<LOQ	0.002	0.02	<b>PASS</b>
Aflatoxin G1	<LOQ	0.001	0.02	<b>PASS</b>
Aflatoxin G2	<LOQ	0.002	0.02	<b>PASS</b>
Sum of Aflatoxins	0	-	0.02	<b>PASS</b>
Ochratoxin A	<LOQ	0.002	0.02	<b>PASS</b>
			Overall Status	<b>PASS</b>

*Analysis Instrument*

*30 LC-MS TQ*

V141.3

# Certificate Of Analysis

## Pesticides

**PASS**

**Date analyzed:** 11/28/2023

**Method:** NY.SOP.T.040.270

**Analyst:** Stephanie Knapp

**Date started:** 11/21/2023 11:05 AM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Abamectin	<LOQ	0.02	0.5	PASS
Acephate	<LOQ	0.01	0.4	PASS
Acequinocyl	<LOQ	0.02	2	PASS
Acetamiprid	<LOQ	0.01	0.2	PASS
Aldicarb	<LOQ	0.01	0.4	PASS
Azadirachtin	<LOQ	0.02	1	PASS
Azoxystrobin	<LOQ	0.01	0.2	PASS
Bifenazate	<LOQ	0.01	0.2	PASS
Bifenthrin	<LOQ	0	0.2	PASS
Boscalid	<LOQ	0.01	0.4	PASS
Carbaryl	<LOQ	0.01	0.2	PASS
Carbofuran	<LOQ	0.01	0.2	PASS
Chlorantraniliprole	<LOQ	0.01	0.2	PASS
Chlormequat chloride	<LOQ	0.02	1	PASS
Chlorpyrifos	<LOQ	0.01	0.2	PASS
Clofentezine	<LOQ	0.01	0.2	PASS
Daminozide	<LOQ	0	1	PASS
Diazinon	<LOQ	0.01	0.2	PASS
Dichlorvos	<LOQ	0.01	1	PASS
Dimethoate	<LOQ	0.01	0.2	PASS
Dimethomorph	<LOQ	0.01	1	PASS
Ethoprophos	<LOQ	0.01	0.2	PASS
Etofenprox	<LOQ	0	0.4	PASS
Etoxazole	<LOQ	0.01	0.2	PASS
Fenhexamid	<LOQ	0.01	1	PASS



# Certificate Of Analysis

Fenoxycarb	<LOQ	0.01	0.2	PASS
Fenpyroximate	<LOQ	0	0.4	PASS
Flonicamid	<LOQ	0.01	1	PASS
Fludioxonil	<LOQ	0.02	0.4	PASS
Hexythiazox	<LOQ	0	1	PASS
Imidacloprid	<LOQ	0.01	0.4	PASS
Indole-3-butyric acid	<LOQ	0.01	1	PASS
Kresoxim methyl	<LOQ	0.01	0.4	PASS
Malathion	<LOQ	0.01	0.2	PASS
Metalaxyl	<LOQ	0.01	0.2	PASS
Methiocarb	<LOQ	0	0.2	PASS
Methomyl	<LOQ	0.01	0.4	PASS
Mevinphos	<LOQ	0.02	1	PASS
MGK-264	<LOQ	0.01	0.2	PASS
Myclobutanil	<LOQ	0.01	0.2	PASS
Naled	<LOQ	0	0.5	PASS
Oxamyl	<LOQ	0.01	1	PASS
Paclobutrazol	<LOQ	0.01	0.4	PASS
Permethrins, Total	<LOQ	0.01	0.2	PASS
Phosmet	<LOQ	0.01	0.2	PASS
Piperonyl Butoxide	<LOQ	0.01	2	PASS
Prallethrin	<LOQ	0.01	0.2	PASS
Propiconazole	<LOQ	0.01	0.4	PASS
Propoxur	<LOQ	0.01	0.2	PASS
Pyrethrins	<LOQ	0.01	1	PASS
Pyridaben	<LOQ	0.01	0.2	PASS
Spinetoram, Total	<LOQ	0	1	PASS
Spinosad, Total	<LOQ	0.01	0.2	PASS
Spiromesifen	<LOQ	0.01	0.2	PASS
Spirotetramat	<LOQ	0.01	0.2	PASS
Spiroxamine	<LOQ	0	0.2	PASS



**Phyto-farma Labs**  
 49 John Hicks Drive  
 Warwick, NY 10990  
 Permit#: OCM-CPL-2022-00004  
 Phone: 845-988-0937

Compliance

# Certificate Of Analysis

Tebuconazole	<LOQ	0.01	0.4	<b>PASS</b>
Thiacloprid	<LOQ	0.01	0.2	<b>PASS</b>
Thiamethoxam	<LOQ	0.01	0.2	<b>PASS</b>
Overall Status				<b>PASS</b>

Analysis Instrument      30 Agilent LS-MS TQ

V144.9

## Pesticides cont.

**PASS**

**Date analyzed:** 11/27/2023      **Method:** NYS.SOP.T.040.271      **Analyst:** Destiny Ribadeneyra  
**Date started:** 11/21/2023 11:05 AM

Analyte	Result (µg/g)	LOQ (µg/g)	Allowable Limit	Pass/Fail
Captan	<LOQ	0.3	1	<b>PASS</b>
Chlordane	<LOQ	0.07	1	<b>PASS</b>
Chlorfenapyr	<LOQ	0.1	1	<b>PASS</b>
Coumaphos	<LOQ	0.19	1	<b>PASS</b>
Cyfluthrin	<LOQ	0.11	1	<b>PASS</b>
Cypermethrin	<LOQ	0.24	1	<b>PASS</b>
Fipronil	<LOQ	0.17	0.4	<b>PASS</b>
Imazalil	<LOQ	0.17	0.2	<b>PASS</b>
Methyl parathion	<LOQ	0.09	0.2	<b>PASS</b>
Pentachloronitrobenzene	<LOQ	0.17	1	<b>PASS</b>
Trifloxystrobin	<LOQ	0.11	0.2	<b>PASS</b>
Overall Status				<b>PASS</b>

Analysis Instrument      141 GC/TQ

V177.7

This is a Phyto-farma certification that relates only to the material tested and shall not be reproduced, unless in its entirety, without written approval from Phyto-farma. Test results are confidential, unless explicitly waived. All Pass/Fail results please reference state regulations released on 04.JAN.2023. Pass/Fail results do not use uncertainty, but is available upon request. The product represented has been tested by Phyto-farma Labs using validated scientific methodologies. Note action levels are state determined thresholds for human safety and consumption. Acronym Definitions: ND - Not Detected, LOQ - Limit of Quantification, ULOQ - Upper Limit of Quantification; are terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantifiable limit. CFU - Colony Forming Units. Cannabis Product Sampling SOP# SOP.T.20.010.

# Certificate Of Analysis

## Trace Metals

**PASS**

Date analyzed: 11/28/2023

Method: NY.SOP.T.40.050

Analyst: Moni Kaneti

Date started: 11/22/2023 07:45 AM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Antimony (Sb)	<LOQ	0.13	2	PASS
Arsenic (As)	<LOQ	0.07	0.2	PASS
Cadmium (Cd)	<LOQ	0.06	0.3	PASS
Chromium (Cr)	<LOQ	0.36	110	PASS
Copper (Cu)	18.289	0.39	30	PASS
Lead (Pb)	<LOQ	0.08	0.5	PASS
Mercury (Hg)	<LOQ	0.01	0.1	PASS
Nickel (Ni)	2.52	0.11	5	PASS
Overall Status				PASS

Analysis Instrument 158 7800 ICPMS

V114.32

## Water Activity

**PASS**

Date analyzed: 11/27/2023

Method: NY.SOP.T.040.210

Analyst: Destiny Ribadeneyra

Date started: 11/27/2023 12:39 PM

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
0.39	0.25	0.65	PASS

Analysis Instrument 103 Aqualab TDL 2

V131.60

Sample Comment: N/A



**Phyto-farma Labs**  
49 John Hicks Drive  
Warwick, NY 10990  
Permit#: OCM-CPL-2022-00004  
Phone: 845-988-0937

Compliance

# Certificate Of Analysis

*Alicia Caruso-Thomas*

---

Alicia Caruso-Thomas  
Laboratory Director  
12/01/2023