



CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Certificate of Analysis

Customer:

Bluegrass Pharmaceuticals LLC
965 Capstone Circle Suite 313

Miamisburg, OH 45342

Collected Date: **7/23/2021**

Received Date: **7/26/2021**

COA Released: **7/27/2021**

Sample ID: **210723012**

Order Number: **CB210723009**

Sample Name: **POTF Assorted CBD/CBG Gummies**

External Sample ID: **POTFAFG07232021**

Batch Number: **POTFAFG07232021.01**

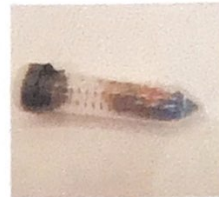
Product Type: **Edible**

Sample Type: **Edible**

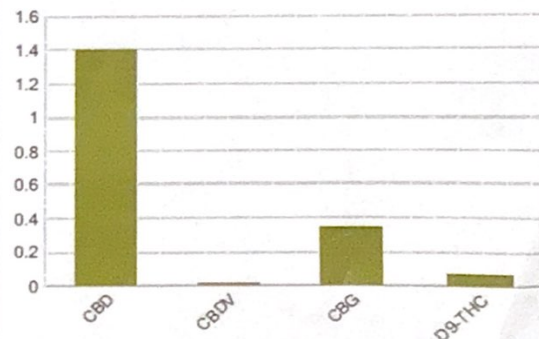
Comments: **173.0mg CBD/12.334g**
Average weight: 1.028g

CANNABINOID PROFILE (Serving Size = 1.1 g)

Analyte	LOQ (%)	% weight	mg/g	mg/serving
CBC	0.01	ND	ND	ND
CBD	0.01	1.403	14.03	15.43
CBDa	0.01	ND	ND	ND
CBDV	0.01	0.011	0.113	0.12
CBG	0.01	0.346	3.459	3.81
CBGa	0.01	ND	ND	ND
CBN	0.01	ND	ND	ND
d8-THC	0.01	ND	ND	ND
d9-THC	0.01	0.066	0.659	0.72
THCa	0.01	ND	ND	ND
Total Cannabinoids		1.826	18.26	20.09
Total Potential THC		0.066	0.659	0.72
Total Potential CBD		1.403	14.03	15.43
Total Potential CBG		0.346	3.459	3.81



Cannabinoids (% weight)



Ratio of Total Potential CBD to Total Potential THC 21.26 : 1

Ratio of Total Potential CBG to Total Potential THC 5.24 : 1

*Total Cannabinoids refers to the sum of all cannabinoids detected.

*Total Potential CBD = (0.877 x CBDa) + CBD. *Total Potential THC = (0.877 x THCa) + THC. *Total Potential CBG = (0.877 x CBGa) + CBG.

*Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.



Authorized Signature

Jamie Hobgood
Laboratory Manager

Jamie Hobgood

07/27/2021 1:46 PM

DATE

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vary from final packaging. The results apply to the sample as received. ISO/IEC 17025:2017 Accredited.

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CannaBusiness Laboratories, LLC
2554 Palumbo Dr. Lexington, KY 40509



Sample ID: 210723012
Sample Name: POTF Assorted CBD/CBG
Sample Type: Gummies

Certificate of Analysis

Customer

Bluegrass Pharmaceuticals LLC
965 Capstone Circle Suite 313
Miamisburg, OH 45342



Overall Batch Results	
Pesticide	Moisture Content
Potency	Water Activity
Mycotoxins	Heavy Metals
Microbial Screen	Residual Solvents
Terpenoids	

Sample Name: POTF Assorted CBD/CBG Gummies
Sample ID: 210723012
Product Type: Edible
Sample Type: Edible
Collected Date: 07/23/2021
Received Date: 07/26/2021
Batch Number: POTFAFG07232021.01
Batch Size: 2500
Sample Size:
COA released: 07/27/2021 1:46 PM

Potency (mg/g)			
Date Tested: 07/26/2021		Method: CB-SOP-028	
Instrument:			
0.066 %	1.403 %	1.826 %	18.26 mg/g
Total THC	Total CBD	Total Cannabinoids	Total Cannabinoids

Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	ND	%	0.010	ND	mg/g
CBD (Cannabidiol)	1.403	%	0.010	14.03	mg/g
CBDa (Cannabidiolic Acid)	ND	%	0.010	ND	mg/g
CBDV (Cannabidivarin)	0.011	%	0.010	0.113	mg/g
CBG (Cannabigerol)	0.346	%	0.010	3.459	mg/g
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/g
CBN (Cannabinol)	ND	%	0.010	ND	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	0.066	%	0.010	0.659	mg/g
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/g

Pesticides							
Date Tested: 08/11/2021		Method: CB-SOP-025		Instrument:			
Analyte	Result	Units	LOQ	Result	Analyte	Result	Units
Acephate	ND	ppm	0.010		Acetamiprid	ND	ppm
Aldicarb	ND	ppm	0.010		Azoxystrobin	ND	ppm
Bifenazate	ND	ppm	0.010		Bifenthrin	ND	ppm
Boscalid	ND	ppm	0.010		Carbaryl	ND	ppm
Carbofuran	ND	ppm	0.010		Chlorantranilprole	ND	ppm
Chlorpyrifos	ND	ppm	0.010		Clofentezine	ND	ppm
Coumaphos	ND	ppm	0.010		Daminozide	ND	ppm
Diazinon	ND	ppm	0.010		Dichlorvos	ND	ppm
Dimethoate	ND	ppm	0.010		Etofenprox	ND	ppm
Etoxazole	ND	ppm	0.010		Fenhexamid	ND	ppm
Fenoxycarb	ND	ppm	0.010		Fenpyroximate	ND	ppm
Fipronil	ND	ppm	0.010		Flonicamid	ND	ppm
Fludioxonil	ND	ppm	0.010		Hexythiazox	ND	ppm
Imazalil	ND	ppm	0.010		Imidacloprid	ND	ppm

NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOI = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

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CannaBusiness Laboratories, LLC
2554 Palumbo Dr. Lexington, KY 40509



Sample ID: 212005054
Sample Name: POT1 Assorted Flavor
Sample Type: **EBDMCBG** Sour Gummies

Certificate of Analysis

Pesticides
Date Tested: 08/11/2021 Method: CB-SOP-025 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Malathion	ND	ppm	0.010		Metolachl	ND	ppm	0.010	
Methidathion	ND	ppm	0.010		Methidathion	ND	ppm	0.010	
Myclobutand	ND	ppm	0.010		Noted	ND	ppm	0.010	
Oxamyl	ND	ppm	0.010		Permethrin	ND	ppm	0.010	
Phosmet	ND	ppm	0.010		Propoxur	ND	ppm	0.010	
Propiconazole	ND	ppm	0.010		Pyrethrin I	ND	ppm	0.010	
Pyrethrin I	ND	ppm	0.010		Spiridolifen	ND	ppm	0.010	
Pyridaben	ND	ppm	0.010		Spiromesifen	ND	ppm	0.010	
Spiromesifen	ND	ppm	0.010		Thiodiazolid	ND	ppm	0.010	
Tebuconazole	ND	ppm	0.010		Tefluroxystrobin	ND	ppm	0.010	
Thiamethoxam	ND	ppm	0.010		Kresoxim-methyl	ND	ppm	0.010	
Ethionphos	ND	ppm	0.010		Piperonyl Butoxide	ND	ppm	0.010	
Permethrin	ND	ppm	0.010		Spiromesifen	ND	ppm	0.010	
Spiromesifen	ND	ppm	0.010		Spiromesifen	ND	ppm	0.010	
Azoxystrobin	ND	ppm	0.010		Spiromesifen	ND	ppm	0.010	

Mycotoxins
Date Tested: 08/11/2021 Method: CB-SOP-025 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Ochratoxin A	ND	ppm	0.010		Aflatoxin B1	ND	ppm	0.010	
Aflatoxin G2	ND	ppm	0.010		Aflatoxin B2	ND	ppm	0.010	
Aflatoxin G1	ND	ppm	0.010						

Metals
Date Tested: 08/10/2021 Method: CB-SOP-027 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Arsenic	<LOQ	ppm	0.500		Cadmium	<LOQ	ppm	0.500	
Lead	<LOQ	ppm	0.500		Mercury	<LOQ	ppm	0.008	

Microbial
Date Tested: 08/12/2021 Method: Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
STEC (E. coli)	Negative				Salmonella	Negative			
L. monocytogenes	Negative				Yeast/Mold (qPCR)	0	CFU/g		

Residual Solvent
Date Tested: 08/11/2021 Method: CB-SOP-032 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
1,4 Dioxane	<LOQ	ppm	29		2-Butanol	<LOQ	ppm	175	
2-Ethoxyethanol	<LOQ	ppm	24		2-Methylpentane	<LOQ	ppm	87	
3-Methylpentane	<LOQ	ppm	87		2-Propanol	<LOQ	ppm	350	
Cyclohexane	<LOQ	ppm	145		Ether	<LOQ	ppm	350	
Ethylbenzene	<LOQ	ppm	81		Acetone	<LOQ	ppm	350	
Isopropyl Acetate	<LOQ	ppm	175		Methylbutane	<LOQ	ppm	350	
n-Heptane	<LOQ	ppm	350		n-Hexane	<LOQ	ppm	87	
n-Pentane	<LOQ	ppm	350		Tetrahydrofuran	<LOQ	ppm	54	
Acetonitrile	<LOQ	ppm	133		Ethanol	<LOQ	ppm	350	
Ethyl acetate	<LOQ	ppm	175		p-Xylene	<LOQ	ppm	81	
m-p-Xylene	<LOQ	ppm	163		Methanol	<LOQ	ppm	250	

NT = Not tested, ND = Not detected, LOQ = Limit of Quantitation, <LOQ = Detected, >LOQ = Above upper limit of linearity, CFU/g = Colony forming units per 1 gram, FWTC = This notation is used

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CannaBusiness Laboratories, LLC
 2554 Palumbo Dr. Lexington, KY 40509



Sample ID: 202005054
 Sample Name: POT Assorted Flavor
 Sample Type: 500MG 500 Sour Gummies

Certificate of Analysis

Residual Solvent	
Date Tested: 08/11/2021	Method: CB-SOP-002
Analyte	Instrument
Methylene Chloride	90
Result: 4.00 ppm	Result: 67



Authorized Signature

Jamie Hobgood
 Laboratory Manager

Jamie Hobgood

08/12/2021 7:30 PM

Date Time

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