



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: **1/4/2022**
Received Date: **1/10/2022**
COA Released: **1/21/2022**

Comments:

Sample ID: **220104048**

Order Number: **CB220104007**

Sample Name: **POTF Mixed Berry CBD:CBG Oil**

External Sample ID: **POTFMBO01042022.**

Batch Number: **POTFS01**

Product Type: **Edible**

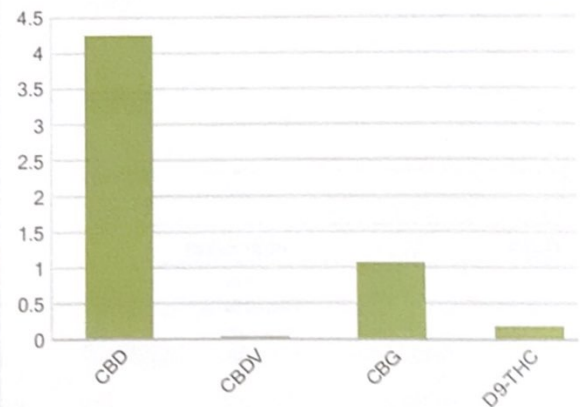
Sample Type: **Edible**

CANNABINOID PROFILE (Product Size = 1 mL)

Analyte	LOQ (%)	% weight	mg/ml	mL/serving
CBC	0.01	ND	ND	ND
CBD	0.01	4.252	39.54	39.54
CBDa	0.01	ND	ND	ND
CBDV	0.01	0.039	0.366	0.37
CBG	0.01	1.069	9.943	9.94
CBGa	0.01	ND	ND	ND
CBN	0.01	ND	ND	ND
d8-THC	0.01	ND	ND	ND
d9-THC	0.01	0.186	1.728	1.73
THCa	0.01	ND	ND	ND
Total Cannabinoids		5.546	51.58	51.58
Total Potential THC		0.186	1.728	1.73
Total Potential CBD		4.252	39.54	39.54
Total Potential CBG		1.069	9.943	9.94



Cannabinoids (% weight)



Ratio of Total Potential CBD to Total Potential THC 22.86 : 1

Ratio of Total Potential CBG to Total Potential THC 5.75 : 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

01/21/2022 10:40 AM

DATE



CannaBusiness Laboratories, LLC
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Sample ID: 220104048
Sample Name: POTF Mixed Berry
Sample Type: Edible CBG Oil

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Overall Batch Results

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

Sample Name: POTF Mixed Ber
CBD:CBG Oil
Sample ID: 220104048
Product Type: Edible
Sample Type: Edible
Collected Date: 01/04/2022
Received Date: 01/10/2022
Batch Number: POTFMBO0104:
Batch Size: 250
Sample Size:
COA released: 01/21/2022 10

Potency (mg/mL)

Date Tested: 01/12/2022 Method: CB-SOP-028
Instrument:

0.186 % Total THC	4.252 % Total CBD	5.546 % Total Cannabinoids	51.58 mg/mL Total Cannabinoids
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Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	ND	%	0.010	ND	mg/mL
CBD (Cannabidiol)	4.252	%	0.010	39.54	mg/mL
CBDa (Cannabidiolic Acid)	ND	%	0.010	ND	mg/mL
CBDV (Cannabidivarin)	0.039	%	0.010	0.366	mg/mL
CBG (Cannabigerol)	1.069	%	0.010	9.943	mg/mL
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/mL
CBN (Cannabinol)	ND	%	0.010	ND	mg/mL
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/mL
D9-THC (D9-Tetrahydrocannabinol)	0.186	%	0.010	1.728	mg/mL
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/mL

Pesticides

Date Tested: 01/19/2022 Method: CB-SOP-025 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	ND	ppm	0.010		Acetamiprid	ND	ppm	0.010	
Aldicarb	ND	ppm	0.010		Azoxystrobin	ND	ppm	0.010	
Bifenazate	ND	ppm	0.010		Bifenthrin	ND	ppm	0.100	
Boscalid	ND	ppm	0.010		Carbaryl	ND	ppm	0.010	
Carbofuran	ND	ppm	0.010		Chlorantraniliprole	ND	ppm	0.010	
Chlorpyrifos	ND	ppm	0.010		Clofentezine	ND	ppm	0.010	
Coumaphos	ND	ppm	0.010		Daminozide	ND	ppm	0.010	
Diazinon	ND	ppm	0.010		Dichlorvos	ND	ppm	0.010	
Dimethoate	ND	ppm	0.010		Etofenprox	ND	ppm	0.010	
Etoazole	ND	ppm	0.010		Fenhexamid	ND	ppm	0.010	
Fenoxycarb	ND	ppm	0.010		Fenpyroximate	ND	ppm	0.010	
Fipronil	ND	ppm	0.010		Flonicamid	ND	ppm	0.100	
Fludioxonil	ND	ppm	0.010		Hexythiazox	ND	ppm	0.010	
Imazalil	ND	ppm	0.010		Imidacloprid	ND	ppm	0.010	
Malathion	ND	ppm	0.010		Metalaxyl	ND	ppm	0.010	
Methiocarb	ND	ppm	0.010		Methomyl	ND	ppm	0.010	
Myclobutanil	ND	ppm	0.010		Naled	ND	ppm	0.010	

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



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Sample ID: 220104048
Sample Name: POTF Mixed Berry
Sample Type: CBG Oil

Certificate of Analysis

Pesticides

Date Tested: 01/19/2022 Method: CB-SOP-025 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Oxamyl	ND	ppm	0.010		Paclobutrazol	ND	ppm	0.010	
Phosmet	ND	ppm	0.010		Prallethrin	ND	ppm	0.010	
Propiconazole	ND	ppm	0.010		Propoxur	ND	ppm	0.010	
Pyrethrin I	ND	ppm	0.010		Pyrethrin II	ND	ppm	0.010	
Pyridaben	ND	ppm	0.010		Spinetoram	ND	ppm	0.010	
Spiromesifen	ND	ppm	0.010		Spirotetramat	ND	ppm	0.010	
Tebuconazole	ND	ppm	0.010		Thiacloprid	ND	ppm	0.010	
Thiamethoxam	ND	ppm	0.010		Trifloxystrobin	ND	ppm	0.010	
Ethoprophos	ND	ppm	0.010		Kresoxym-methyl	ND	ppm	0.010	
Permethrins	ND	ppm	0.010		Piperonyl Butoxide	ND	ppm	0.010	
Spinosyn A	ND	ppm	0.010		Spiroxamine-1	ND	ppm	0.010	
AbamectinB1a	ND	ppm	0.010		Spinosyn D	ND	ppm	0.010	

Mycotoxins

Date Tested: 01/19/2022 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: 01/21/2022 Method: CB-SOP-027 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Arsenic	<LOQ	ppm	0.200		Cadmium	<LOQ	ppm	0.200	
Lead	<LOQ	ppm	0.200		Mercury	<LOQ	ppm	0.200	

Microbial

Date Tested: 01/19/2022 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	CFUs		

Residual Solvent

Date Tested: 01/18/2022 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	146		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	123		Ethanol	6064	ppm	350	
Ethyl acetate	<LOQ	ppm	175		o-Xylene	<LOQ	ppm	81	
m+p-Xylene	<LOQ	ppm	163		Methanol	<LOQ	ppm	250	
Methylene Chloride	<LOQ	ppm	90		Toluene	<LOQ	ppm	67	

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Sample Type: ~~CBG~~ CBG Oil

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Jamie Hobgood

01/21/2022 10:40 AM

Laboratory Manager

Date Time