



# Certificate of Analysis

## CANNABUSINESS LABORATORIES, LLC

### Customer:

Bluegrass Pharmaceuticals LLC  
965 Capstone Circle Suite 313

Miamisburg, OH 45342

Received Date **11/27/2023**

COA Released **11/30/2023**

Comments *HPLC Measurement of Uncertainty (Oil Matrix) is 2.58%.*

Sample ID **231124006**

Order Number **CB231124003**

Sample Name **Full Spectrum Mixed Berry Tincture**

External Sample ID **POTFFSMB112423.FSB01**

Batch Number **POTFFSMB112423.FSB01**

Product Type **Edible**

Sample Type **Edible**

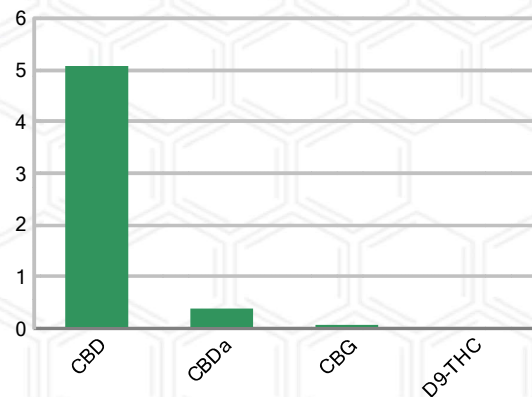
### CANNABINOID PROFILE

Analyte	LOQ (%)	% Weight	mg/mL
CBC	0.01	ND	ND
CBD	0.01	5.072	47.17
CBDa	0.01	0.379	3.527
CBDV	0.01	ND	ND
CBG	0.01	0.066	0.617
CBGa	0.01	ND	ND
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	0.021	0.197
THCa	0.01	ND	ND
<b>Total Cannabinoids</b>		<b>5.539</b>	<b>51.52</b>
<b>Total Potential THC</b>		<b>0.021</b>	<b>0.197</b>
<b>Total Potential CBD</b>		<b>5.405</b>	<b>50.27</b>
<b>Total Potential CBG</b>		<b>0.066</b>	<b>0.617</b>
<b>Ratio of Total Potential CBD to Total Potential THC</b>			<b>257.38 : 1</b>
<b>Ratio of Total Potential CBG to Total Potential THC</b>			<b>3.14 : 1</b>

### SAMPLE IMAGE



### CANNABINOIDS % Weight



\*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.



*J. Hobgood*  
Laboratory Manager

SIGNATURE

Jamie Hobgood

LABORATORY MANAGER

11/30/2023 11:03 AM

DATE

This product has been tested by Cannabusiness Laboratories using validated testing methodologies and a quality system. Values reported relate only to the product tested. Cannabusiness Laboratories makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written permission of Cannabusiness Laboratories. Photo is of sample received by the lab and may vary from final packaging. The results apply to the sample as received.

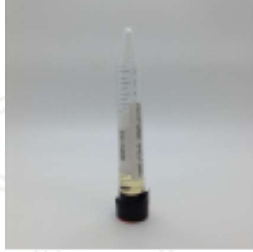


# Certificate of Analysis

## CANNABUSINESS LABORATORIES, LLC

### Customer

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



**Sample Name:** Full Spectrum Mixed Berry Tincture  
**Sample ID:** 231124006  
**Order Number:** CB231124003  
**Product Type:** Edible  
**Sample Type:** Edible  
**Received Date:** 11/27/2023  
**Batch Number:** POTFSMB112423.FSB01  
**COA released:** 11/30/2023 11:03 AM

Potency (mg/mL)	
Date Tested: 11/29/2023	Method: CB-SOP-028
Instrument:	

<b>0.021 %</b> Total THC	<b>5.405 %</b> Total CBD	<b>5.539 %</b> Total Cannabinoids	<b>51.52 mg/mL</b> Total Cannabinoids
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Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	ND	%	0.010	ND	mg/mL
CBD (Cannabidiol)	5.072	%	0.010	47.17	mg/mL
CBDa (Cannabidiolic Acid)	0.379	%	0.010	3.527	mg/mL
CBDV (Cannabidivarin)	ND	%	0.010	ND	mg/mL
CBG (Cannabigerol)	0.066	%	0.010	0.617	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)	0.021	%	0.010	0.197	mg/mL
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/mL



*J. Hobgood*  
 Laboratory Manager

Jamie Hobgood

11/30/2023 11:03 AM

SIGNATURE

DATE

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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