



## Certificate of Analysis

**Customer:**  
Critical 39  
601 W 1st Ave, Ste 1400  
Spokane, WA 99201

Sample ID: **201016032**  
Order Number: **CB201016016**  
Sample Name: **Critical G (Flower of Goliath)**

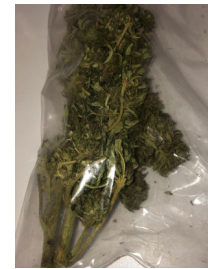
Collected Date: **10/16/2020**  
Received Date: **10/20/2020**  
COA Released: **10/27/2020**

External Sample ID:  
Batch Number: **18**  
Product Type: **Flower**  
Sample Type: **Flower**

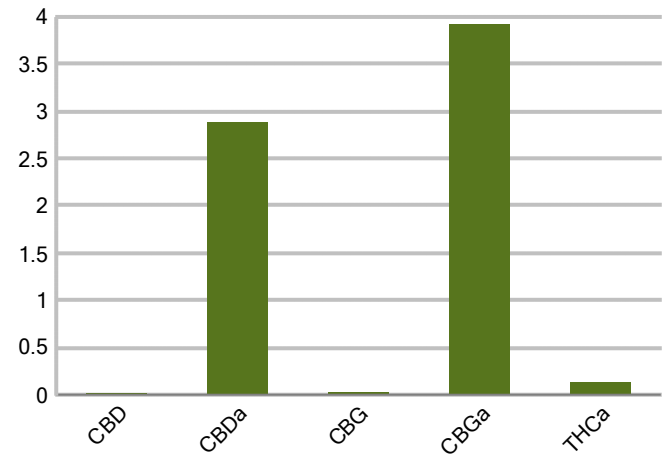
Comments: *Post Harvest Flower*

### CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/g
CBC	0.01	ND	ND
CBD	0.01	0.014	0.141
CBDa	0.01	2.888	28.88
CBDV	0.01	ND	ND
CBG	0.01	0.024	0.237
CBGa	0.01	3.920	39.20
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	ND	ND
THCa	0.01	0.136	1.357
<b>Total Cannabinoids</b>		<b>6.981</b>	<b>69.81</b>
<b>Total Potential THC</b>		<b>0.119</b>	<b>1.190</b>
<b>Total Potential CBD</b>		<b>2.547</b>	<b>25.47</b>
<b>Total Potential CBG</b>		<b>3.465</b>	<b>34.65</b>



Cannabinoids (% weight)



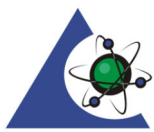
**Ratio of Total Potential CBD to Total Potential THC 21.40 : 1**

**Ratio of Total Potential CBG to Total Potential THC 29.12 : 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.*



**PJLA**  
Testing  
Accreditation #109588

Authorized Signature

Laboratory Manager

Jamie Hobgood

10/27/2020 10:00 AM

**DATE**

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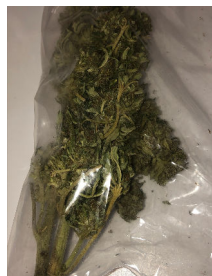
CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509



Sample ID: 201016032  
 Sample Name: Critical G (Flower of Goliath)  
 Sample Type: Flower

## Certificate of Analysis

**Customer**


Overall Batch Results	
<b>PASS</b>	
Pesticide <b>PASS</b>	Moisture Content <b>PASS</b>
Potency <b>PASS</b>	Water Activity <b>PASS</b>
Mycotoxins <b>PASS</b>	Heavy Metals <b>PASS</b>
Microbial Screen <b>PASS</b>	Residual Solvents N/A
Terpenoids <b>PASS</b>	

Sample Name: Critical G (Flower of Goliath)  
 Sample ID: 201016032  
 Product Type: Flower  
 Sample Type: Flower  
 Collected Date: 10/16/2020  
 Received Date: 10/20/2020  
 Batch Number: 18  
 Batch Size: 8  
 Sample Size:  
 COA released: 10/27/2020 10:00 AM

Potency (mg/g)			
Date Tested: 10/21/2020	Method:		
Instrument:			
<b>0.119 %</b>	<b>2.547 %</b>	<b>6.981 %</b>	<b>69.81 mg/g</b>
Total THC	Total CBD	Total Cannabinoids	Total Cannabinoids

Terpenoids					
Date Tested: 10/21/2020	Method:				
Instrument:					
Analyte	Result	Unit	LOQ	Result	Unit

Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	ND	%	0.010	ND	mg/g
CBD (Cannabidiol)	0.014	%	0.010	0.141	mg/g
CBDa (Cannabidiolic Acid)	2.888	%	0.010	28.88	mg/g
CBDV (Cannabidivarin)	ND	%	0.010	ND	mg/g
CBG (Cannabigerol)	0.024	%	0.010	0.237	mg/g
CBGa (Cannabigerolic Acid)	3.920	%	0.010	39.20	mg/g
CBN (Cannabinol)	ND	%	0.010	ND	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
THCa (Tetrahydrocannabinolic Acid)	0.136	%	0.010	1.357	mg/g

alpha-Bisabolol	0.389	mg/g	0.100	0.0389	%
alpha-humulene	0.271	mg/g	0.100	0.0271	%
alpha-pinene	<LOQ	mg/g	0.100	<LOQ	%
alpha-terpinene	<LOQ	mg/g	0.100	<LOQ	%
beta-caryophyllene	1.027	mg/g	0.100	0.1027	%
Beta-myrcene	0.711	mg/g	0.100	0.0711	%
Beta-pinene	<LOQ	mg/g	0.100	<LOQ	%
cis-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Camphene	<LOQ	mg/g	0.100	<LOQ	%
d-Limonene	<LOQ	mg/g	0.100	<LOQ	%
delta-3-Carene	<LOQ	mg/g	0.100	<LOQ	%
Eucalyptol	<LOQ	mg/g	0.100	<LOQ	%
gamma-Terpinene	<LOQ	mg/g	0.100	<LOQ	%
Geraniol	<LOQ	mg/g	0.100	<LOQ	%
Guaiol	0.320	mg/g	0.100	0.0320	%
Isopulegol	<LOQ	mg/g	0.100	<LOQ	%
Linalool	0.122	mg/g	0.100	0.0122	%
Ocimene (mixture of isomers)	<LOQ	mg/g	0.100	<LOQ	%
p-Isopropyltoluene (p-Cymene)	<LOQ	mg/g	0.100	<LOQ	%
trans-beta-Ocimene	<LOQ	mg/g	0.100	<LOQ	%
trans-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Terpinolene	<LOQ	mg/g	0.100	<LOQ	%

Foreign Material	Result	Note
Date Tested: 10/20/2020	Absence	

Water Activity	Result	Units	LOQ	Result
Date Tested: 10/20/2020	0.562	Aw	0.030	Pass

Pesticides		
Date Tested: 10/23/2020	Method:	Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	ND	ppm	0.010	Pass	Acetamiprid	ND	ppm	0.010	Pass
Aldicarb	ND	ppm	0.010	Pass	Azoxystrobin	ND	ppm	0.010	Pass
Bifenazate	ND	ppm	0.010	Pass	Bifenthrin	ND	ppm	0.010	Pass
Boscalid	ND	ppm	0.010	Pass	Carbaryl	ND	ppm	0.010	Pass
Carbofuran	ND	ppm	0.010	Pass	Chlorantranilprole	ND	ppm	0.010	Pass
Chlorpyrifos	ND	ppm	0.010	Pass	Clofentezine	ND	ppm	0.010	Pass
Coumaphos	ND	ppm	0.010	Pass	Daminozide	ND	ppm	0.010	Pass
Diazinon	ND	ppm	0.010	Pass	Dichlorvos	ND	ppm	0.010	Pass
Dimethoate	ND	ppm	0.010	Pass	Etofenprox	ND	ppm	0.010	Pass
Etoazole	ND	ppm	0.010	Pass	Fenhexamid	ND	ppm	0.010	Pass
Fenoxycarb	ND	ppm	0.010	Pass	Fenpyroximate	ND	ppm	0.010	Pass

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

CannaBusiness Laboratories  
 License # P-0059: (859)-514- 6999 <https://www.cannabusinesslabs.us>

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Sample ID: 201016032  
Sample Name: Critical G (Flower of Cannabis)  
Sample Type: Solvent

## Certificate of Analysis

Pesticides							
Date Tested:	Method:	Instrument:					
10/23/2020							

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Fipronil	ND	ppm	0.010	Pass	Fonicamid	ND	ppm	0.010	Pass
Fludioxonil	ND	ppm	0.010	Pass	Hexythiazox	ND	ppm	0.010	Pass
Imazalil	ND	ppm	0.010	Pass	Imidacloprid	ND	ppm	0.010	Pass
Malathion	ND	ppm	0.010	Pass	Metalaxyl	ND	ppm	0.010	Pass
Methiocarb	ND	ppm	0.010	Pass	Methomyl	ND	ppm	0.010	Pass
Myclobutanil	ND	ppm	0.010	Pass	Naled	ND	ppm	0.010	Pass
Oxamyl	ND	ppm	0.010	Pass	Paclobutrazol	ND	ppm	0.010	Pass
Phosmet	ND	ppm	0.010	Pass	Prallethrin	ND	ppm	0.010	Pass
Propiconazole	ND	ppm	0.010	Pass	Propoxur	ND	ppm	0.010	Pass
Pyrethrin I	ND	ppm	0.010	Pass	Pyrethrin II	ND	ppm	0.010	Pass
Pyridaben	ND	ppm	0.010	Pass	Spinetoram	ND	ppm	0.010	Pass
Spiromesifen	ND	ppm	0.010	Pass	Spirotetramat	ND	ppm	0.010	Pass
Tebuconazole	ND	ppm	0.010	Pass	Thiacloprid	ND	ppm	0.010	Pass
Thiamethoxam	ND	ppm	0.010	Pass	Trifloxystrobin	ND	ppm	0.010	Pass
Ethoprophos	ND	ppm	0.010	Pass	Kresoxym-methyl	ND	ppm	0.010	Pass
Permethrins	ND	ppm	0.010	Pass	Piperonyl Butoxide	ND	ppm	0.010	Pass
Spinosyn A	ND	ppm	0.010	Pass	Spiroxamine-1	ND	ppm	0.010	Pass
AbamectinB1a	ND	ppm	0.010	Pass	Spinosyn D	ND	ppm	0.010	Pass

Moisture Content							
Date Tested:	Method:	Instrument:					
10/20/2020							

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Percent Moisture	14	%	0.010	Pass					

Mycotoxins							
Date Tested:	Method:	Instrument:					
10/23/2020							

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

Metals							
Date Tested:	Method:	Instrument:					
10/22/2020							

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Arsenic	<LOQ	ppm	0.500	Pass	Cadmium	<LOQ	ppm	0.500	Pass
Lead	<LOQ	ppm	0.500	Pass	Mercury	<LOQ	ppm	3.000	Pass

Microbial							
Date Tested:	Method:	Instrument:					
10/23/2020							

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
STEC (E. coli)	Negative			Pass	Salmonella	Negative			Pass
Listeria spp.	Negative			Pass	L. monocytogenes	Negative			Pass
Yeast/Mold	29000	CFUs		Pass					



### Authorized Signature

*Jamie Hobgood*  
Laboratory Manager

Jamie Hobgood

10/27/2020 10:00 AM

Date Time

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