



Certificate of Analysis

CANNABUSINESS LABORATORIES, LLC

Customer:

PJ Smith Enterprises, LLC
PO Box 685
New Castle , KY 40050

Sample ID **240418005**
Order Number **CB240418004**
Sample Name **CBD Extract**

External Sample ID

Batch Number **J225**

Product Type **Concentrate**

Sample Type **Concentrate**

Received Date **4/18/2024**

COA Released **4/23/2024**

Comments

CANNABINOID PROFILE

Analyte	LOQ (%)	% Weight	mg/g
CBC	0.01	2.490	24.90
CBD	0.01	57.04	570.4
CBDa	0.01	0.294	2.935
CBDV	0.01	0.238	2.376
CBG	0.01	9.986	99.86
CBGa	0.01	ND	ND
CBN	0.01	0.053	0.527
d8-THC	0.01	ND	ND
d9-THC	0.01	1.979	19.79
THCa	0.01	ND	ND
Total Cannabinoids		72.08	720.8
Total Potential THC		1.979	19.79
Total Potential CBD		57.30	573.0
Total Potential CBG		9.986	99.86

Ratio of Total Potential CBD to Total Potential THC **28.95 : 1**

Ratio of Total Potential CBG to Total Potential THC **5.05 : 1**

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

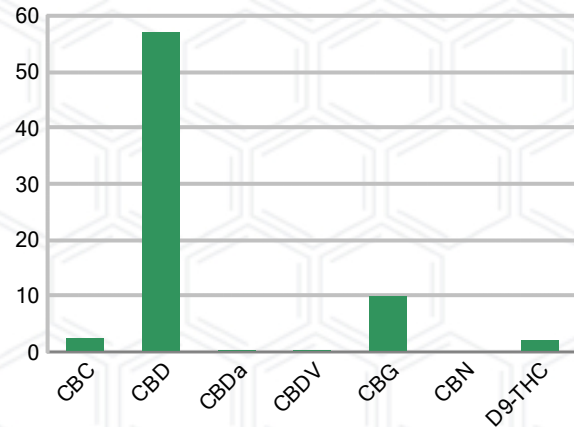
**Total Potential CBD = (0.877 x CBDa) + CBD. *Total Potential THC = (0.877 x THCa) + THC. *Total Potential CBG = (0.877 x CBGa) + CBG.*

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

SAMPLE IMAGE



CANNABINOIDS % Weight



J. Hobgood
Laboratory Manager

SIGNATURE

Jamie Hobgood

LABORATORY MANAGER

04/23/2024 3:27 PM

DATE

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New Castle, KY 40050



Sample Name: CBD Extract

Sample ID: 240418005
Order Number: CB240418004
Product Type: Concentrate
Sample Type: Concentrate
Received Date: 04/18/2024
Batch Number: J225

COA released: 04/23/2024 3:27 PM

Potency (mg/g)			
Date Tested: 04/19/2024		Method: CB-SOP-028	
Instrument:			
1.979 %	57.30 %	72.08 %	720.8 mg/g
Total THC	Total CBD	Total Cannabinoids	Total Cannabinoids

Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	2.490	%	0.010	24.90	mg/g
CBD (Cannabidiol)	57.04	%	0.010	570.4	mg/g
CBDa (Cannabidiolic Acid)	0.294	%	0.010	2.935	mg/g
CBDV (Cannabidivarin)	0.238	%	0.010	2.376	mg/g
CBG (Cannabigerol)	9.986	%	0.010	99.86	mg/g
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/g
CBN (Cannabinol)	0.053	%	0.010	0.527	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	1.979	%	0.010	19.79	mg/g
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/g

Terpenoids					
Date Tested: 04/18/2024			Method: CB-SOP-026		
Instrument:					

Analyte	Result	Unit	LOQ	Result	Unit
alpha-Bisabolol	0.602	mg/g	0.100	0.0602	%
alpha-humulene	2.247	mg/g	0.100	0.2247	%
alpha-pinene	<LOQ	mg/g	0.100	<LOQ	%
alpha-terpinene	<LOQ	mg/g	0.100	<LOQ	%
beta-caryophyllene	5.393	mg/g	0.100	0.5393	%
Beta-myrcene	0.104	mg/g	0.100	0.0104	%
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	0.188	mg/g	0.100	0.0188	%
Isopulegol	<LOQ	mg/g	0.100	<LOQ	%
Linalool	0.144	mg/g	0.100	0.0144	%
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	0.115	mg/g	0.100	0.0115	%
Terpinolene	<LOQ	mg/g	0.100	<LOQ	%

Pesticides			
Date Tested: 04/23/2024		Method: CB-SOP-025	
Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	ND	ppm	0.010		Acetamidrid	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		Chlorantranilprole	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	0.100	
Dimethoate	ND	ppm	0.010		Etofenprox	ND	ppm	0.010	
Etoxazole	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	

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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Pesticides								
Date Tested: 04/23/2024			Method: CB-SOP-025			Instrument:		

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Methiocarb	ND	ppm	0.010		Methomyl	ND	ppm	0.010	
Myclobutanil	ND	ppm	0.010		Naled	ND	ppm	0.010	
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: 04/23/2024			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: 04/23/2024			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	3.000	

Microbial								
Date Tested: 04/23/2024			Method:			Instrument:		

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

Residual Solvent								
Date Tested: 04/19/2024			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	<LOQ	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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Laboratory Manager

Jamie Hobgood

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SIGNATURE

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