



CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Customer: OP Innovates
215 E High St
Lexington, KY 40507

Sample Num:
Order Num:
Sample Name: OP-Full-15mg

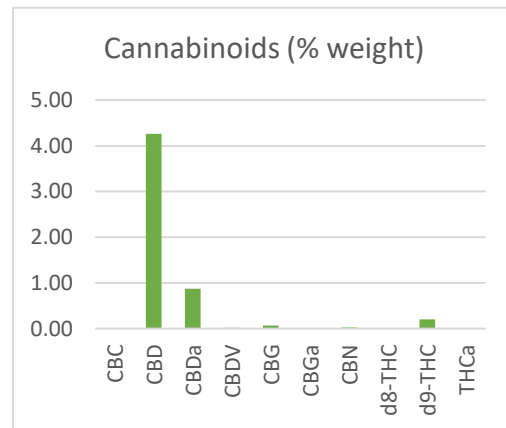
Collected Date:
Received Date: 02/03/2020
COA Released: 02/10/2020

External Sample ID:
Batch Number: NJ012920F01
Product Type:
Sample Type: Other

Comments:

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	(mg/g)
CBC	0.01	ND	ND
CBD	0.01	4.26	42.65
CBDa	0.01	0.88	8.75
CBDV	0.01	0.02	0.17
CBG	0.01	0.07	0.67
CBGa	0.01	ND	ND
CBN	0.01	0.03	0.27
d8-THC	0.01	ND	ND
d9-THC	0.01	0.20	1.99
THCa	0.01	ND	ND
Total Cannabinoids		5.45 %	54.50 mg/g
Total Potential THC		0.20 %	1.99 mg/g
Total Potential CBD		5.03 %	50.32 mg/g



*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 = (0.878 x CBGa) + CBG.

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

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2/10/2020

DATE

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Certificate of Analysis

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Sample ID:
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COA Released: 02/07/2020

HEAVY METALS

Analyte	LOQ	Result	Units
Arsenic	0.5	<LOQ	ppm
Cadmium	0.5	<LOQ	ppm
Lead	0.5	<LOQ	ppm
Mercury	3.0	<LOQ	ppm

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2/7/2020

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PESTICIDES

ANALYTE	LOQ ppm	Result ppm	ANALYTE	LOQ ppm	Result ppm	ANALYTE	LOQ ppm	Result ppm
Daminozide	0.050	ND	Chlorantraniliprole	0.050	ND	Trifloxystrobin	0.050	ND
Acephate	0.050	ND	Spiroxamine-1	0.050	ND	Prallethrin	0.050	ND
Oxamyl	0.050	ND	Azoxystrobin	0.050	<LOQ	Piperonyl Butoxide	0.050	<LOQ
Methomyl	0.050	ND	Methiocarb	0.050	ND	Chlorpyrifos	0.050	ND
Thiamethoxam	0.050	ND	Malathion	0.050	ND	Hexythiazox	0.050	ND
Imidacloprid	0.050	ND	Myclobutanil	0.050	ND	Etoazole	0.050	ND
Dimethoate	0.050	ND	Paclbutrazol	0.050	ND	Spiromesifen	0.050	ND
Acetamiprid	0.050	ND	Bifenazate	0.050	ND	Pyrethrin I	0.050	ND
Thiacloprid	0.050	ND	Spirotetramat	0.050	ND	Fenpyroximate	0.050	ND
Aldicarb	0.050	ND	Fenoxycarb	0.050	ND	Pyridaben	0.050	ND
Dichlorvos	0.050	ND	Ethoprophos	0.050	ND	Permethrins	0.050	0.090
Carbofuran	0.050	ND	Tebuconazole	0.050	ND	AbamectinB1a	0.050	ND
Propoxur	0.050	ND	Kresoxym-methyl	0.050	ND	Etofenprox	0.050	ND
Carbaryl	0.050	ND	Spinosyn A	0.050	ND	Bifenthrin	0.050	ND
Imazalil	0.050	ND	Diazinon	0.050	ND	Fonicamid	0.050	ND
Naled	0.050	ND	Propiconazole	0.050	ND	Fludioxonil	0.050	ND
Metalaxyl	0.050	ND	Clofentezine	0.050	ND			

ND - Analyte is less than the limit of detection

<LOQ - Analyte is above the limit of detection but less than the limit of quantification

2/7/2020

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Residual Solvents

ANALYTE	LOQ ug/g	Result ug/g
Methanol	250	<LOQ
Methylbutane	350	<LOQ
Ethanol	350	<LOQ
n-Pentane	350	<LOQ
Ether	350	<LOQ
Acetone	350	<LOQ
2-Propanol	350	<LOQ
Acetonitrile	123	<LOQ
Methylene Chloride	90	<LOQ
2-Methylpentane	87	<LOQ
3-Methylpentane	87	<LOQ
n-Hexane	87	<LOQ
Ethyl Acetate	175	<LOQ
2-Butanol	175	<LOQ
Tetrahydrofuran	54	<LOQ
Cyclohexane	146	<LOQ
Isopropyl Acetate	175	<LOQ
n-Heptane	350	<LOQ
1,4 Dioxane	29	<LOQ
2-Ethoxyethanol	24	<LOQ
Toluene	67	<LOQ
Ethylbenzene	81	<LOQ
m+p-Xylene	163	<LOQ
o-Xylene	81	<LOQ

Shelby Drinnan

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2/6/2020

DATE

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COA Released: 04/28/2020

MYCOTOXINS

ANALYTE	LOQ ppm	Result ppm
Aflatoxin-G2	0.010	ND
Aflatoxin-G1	0.010	ND
Aflatoxin-B2	0.010	ND
Aflatoxin-B1	0.010	ND
Ochratoxin-A	0.010	ND

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4/28/2020

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DATE

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COA Released: 02/04/2020

Terpenes

ANALYTE	LOQ wt%	Result wt%
alpha-Pinene	0.01	<LOQ
Camphene	0.01	<LOQ
beta-Myrcene	0.01	<LOQ
beta-Pinene	0.01	<LOQ
delta-3-carene	0.01	<LOQ
alpha-Terpinene	0.01	<LOQ
trans-beta-Ocimene	0.01	<LOQ
d-Limonene	0.01	<LOQ
p-Isopropyltoluene (p-Cymene)	0.01	<LOQ
Ocimene (mixture of isomers)	0.01	<LOQ
Eucalyptol	0.01	<LOQ
gamma-Terpinene	0.01	<LOQ
Terpinolene	0.01	<LOQ
Linalool	0.01	<LOQ
Isopulegol	0.01	<LOQ
Geraniol	0.01	<LOQ
beta-Caryophyllene	0.01	0.04
alpha-Humulene	0.01	0.01
cis-Nerolidol	0.01	<LOQ
trans-Nerolidol	0.01	<LOQ
Guaiol	0.01	0.01
alpha-Bisabolol	0.01	0.02

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2/4/2020

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