



Product Analysis
Batch No. 20005

1000 mg (33 mg/mL) THC-Free CBD Oil w/ TerpEnhance Formula

Product Description: 1.02 fl ounce (30 mL) of 33 mg/mL CBD Oil
Formulation Date: 2/5/20
Expiration Date: 02/2022
Country of Origin: United States
Storage: Store in a cool, dry place away from light. Do not use if safety seal is broken.
Packaging: 1.02 oz (30 mL) glass amber bottle with calibrated pipette.
Disclaimers: Keep out of reach of children. No to be used during pregnancy or lactation. Please consult a physician before taking if you have a medical condition or are currently taking other medications.

Safety Warning:

This product has not been evaluated by the United States Food and Drug Administration (FDA) and is not intended to diagnose, treat, cure or prevent any disease. This product contains no detectable delta-9 THC, compliant with the Federal Farm Bill.

Batch Information

Batch Size: 30 L
Quantity Produced: 1000

Formulation

Ingredient	Manufacturer	Lot No.
MCT Oil (USP):	Kraft Chemical Co.	BTB1903033
Proprietary Terpene Blend	PHARM CBD	19071609
Organic Peppermint Oil	Natures Flavors	A0495
CBD Isolate	PHARM Xtracts	PX-ZE-20001

Test Results Summary

Cannabinoids

Cannabinoid	30 mL Total (mg)	Weight Percentage (%)	Concentration (mg/mL)
Total CBD	1128.2	3.76%	37.6
Total THC	ND	ND	ND

Other Testing

Residual Solvents:	None Detected	Salmonella:	None Detected
Heavy Metals:	None Detected	Escherichia coli:	None Detected
Pesticides:	None Detected	Aspergillus:	None Detected
Mycotoxins:	None Detected		



CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Customer: PHARM CBD
2580 US 42
Bedford, KY 40006

Sample Num:
Order Num:
Sample Name: 20005-1

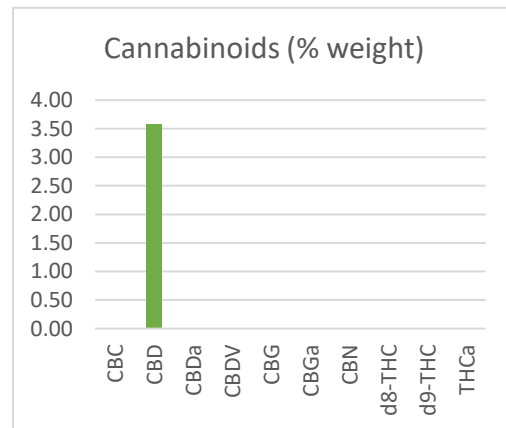
Collected Date:
Received Date: 02/11/2020
COA Released: 02/13/2020

External Sample ID:
Batch Number: 20005
Product Type:
Sample Type: Concentrate

Comments:

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	(mg/g)
CBC	0.01	ND	ND
CBD	0.01	3.58	35.82
CBDa	0.01	ND	ND
CBDV	0.01	ND	ND
CBG	0.01	ND	ND
CBGa	0.01	ND	ND
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	ND	ND
THCa	0.01	ND	ND
Total Cannabinoids		3.58 %	35.82 mg/g
Total Potential THC		0.00 %	0.00 mg/g
Total Potential CBD		3.58 %	35.82 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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2/13/2020

DATE

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CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Certificate of Analysis

Customer: PHARM CBD
2580 Hwy 42
Bedford, KY 40006

Sample ID:
Genetic Variety: 20005-1
Sample Type: Concentrate
Batch ID: 20005
Collected Date:
Received Date: 02/11/2020
COA Released: 02/13/2020

PESTICIDES

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

2/13/2020

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2554 Palumbo Dr. Lexington, KY 40509

Certificate of Analysis

Customer: PHARM CBD
2580 Hwy 42
Bedford, KY 40006

Sample ID:
Genetic Variety: 20005-1
Sample Type: Concentrate
Batch ID: 20005
Collected Date:
Received Date: 02/11/2020
COA Released: 02/12/2020

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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2/12/2020

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CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Certificate of Analysis

Customer: Pharm CBD
2580 Hwy 42
Bedford, KY 40006

Sample ID:
Genetic Variety: 20005-1
Sample Type: Concentrate
Batch ID: 20005
Collected Date:
Received Date: 02/11/2020
COA Released: 02/13/2020

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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CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Certificate of Analysis

Customer:

Pharm CBD
2580 Hwy 42
Bedford, KY 40006

Sample ID:

Genetic Variety: 20005-1
Sample Type: Concentrate
Batch ID:
Collected Date:
Received Date 2/11/2020
COA Released: 2/18/2020

MICROBIALS

Parameter	Result
STEC (E. coli)	Negative
Salmonella	Negative
Listeria spp.	Negative
L. monocytogenes	Negative
Yeast/Mold	0 CFU*

*CFU = Colony Forming Unit(s) per gram

WATER ACTIVITY

Temperature	Result
24.99	0.3

MOISTURE

Moisture %	6.03%
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2/18/2020

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2580 Hwy 42
Bedford, KY 40006

Sample ID:
Genetic Variety: 20005-1
Sample Type: Concentrate
Batch ID: 20005
Collected Date:
Received Date: 02/11/2020
COA Released: 02/13/2020

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

ND - Analyte is less than the limit of detection

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

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2554 Palumbo Dr. Lexington, KY 40509

Customer: PHARM CBD
2580 US 42
Bedford, KY 40006

Sample Num:
Order Num:
Sample Name: 20005-3

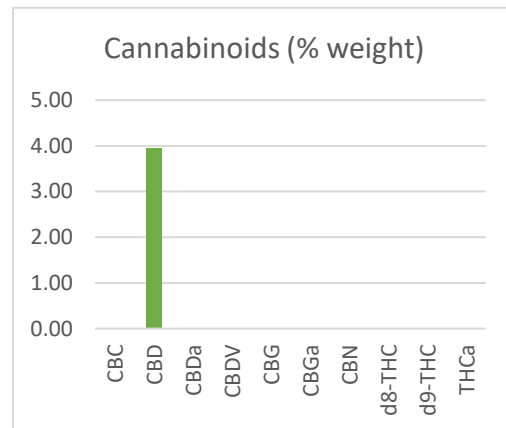
Collected Date:
Received Date: 02/14/2020
COA Released: 02/19/2020

External Sample ID:
Batch Number: 20005
Product Type:
Sample Type: Concentrate

Comments:

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	(mg/g)
CBC	0.01	ND	ND
CBD	0.01	3.94	39.39
CBDa	0.01	ND	ND
CBDV	0.01	ND	ND
CBG	0.01	ND	ND
CBGa	0.01	ND	ND
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	ND	ND
THCa	0.01	ND	ND
Total Cannabinoids		3.94 %	39.39 mg/g
Total Potential THC		ND %	ND mg/g
Total Potential CBD		3.94 %	39.39 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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2580 US 42
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Sample ID:
Genetic Variety: 20005-3
Sample Type: Concentrate
Batch ID: 20005
Collected Date:
Received Date: 02/14/2020
COA Released: 02/18/2020

PESTICIDES

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

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Certificate of Analysis

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2580 US 42
Bedford, KY 40006

Sample ID:
Genetic Variety: 20005-3
Sample Type: Concentrate
Batch ID: 20005
Collected Date:
Received Date: 02/14/2020
COA Released: 02/18/2020

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 Grinnon

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Collected Date:
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COA Released: 02/19/2020

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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COA Released: 02/18/2020

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

ND - Analyte is less than the limit of detection

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Sample ID:
Genetic Variety: 20005-3
Sample Type: Concentrate
Batch ID: 20005
Collected Date:
Received Date 2/14/2020
COA Released: 2/19/2020

MICROBIALS

Parameter	Result
STEC (E. coli)	Negative
Salmonella	Negative
Listeria spp.	Negative
L. monocytogenes	Negative
Yeast/Mold	0 CFU*

*CFU = Colony Forming Unit(s) per gram

WATER ACTIVITY

Temperature	Result
25.01	0.3

MOISTURE

Moisture %	8.57%
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2/19/2020

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