



Product Name:	Original CBD Hemp Oil
Product Batch:	LT01025PH
Certificate ID Number:	CannaBusiness Laboratories, LLC: CB210528003
Date Tested:	6/4/2021

Cannabinoid Profile & Potency	
D9-THC:	0.517mg/ml
CBD:	20.76mg/ml
CBDV:	< LOQ
CBG:	0.210mg/ml
CBC:	0.739mg/ml
CBN:	< LOQ
Total Count:	Mg to mL:
Total THC:	0.517mg/ml
Total CBD:	20.92mg/ml
Manufactured By: Palmetto Synergistic Research Manufacturer Date: 5/21/2021	

Elemental Analysis:	Pass
Microbiological Contaminants:	Pass
Pathogenic Bacterial Contaminants:	Pass
Mycotoxin Testing:	Pass
Pesticide Analysis:	Pass
Terpene Profile:	Please see the full lab for multiple terpene profiles.
Analysis of Volatile Organic Compounds:	Pass

This product has been reviewed by CannaBusiness Laboratories.. The product contains less than 0.3% THC per the Farm Bill of 2018. This product is not intended to diagnose, treat, cure or prevent any disease. The FDA has not evaluated this product.



Certificate of Analysis

Customer:
Palmetto Synergistic Research
8856 Pee Dee Hwy
Conway, SC 29527

Sample ID: **210528006**
Order Number: **CB210528003**
Sample Name: **Lipid Tincture**

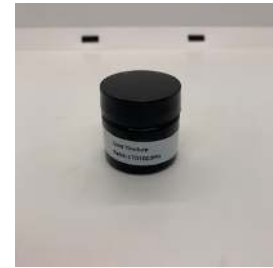
Collected Date:
Received Date: **5/28/2021**
COA Released: **6/4/2021**

External Sample ID:
Batch Number: **LT01025PH**
Product Type: **Edible**
Sample Type: **Edible**

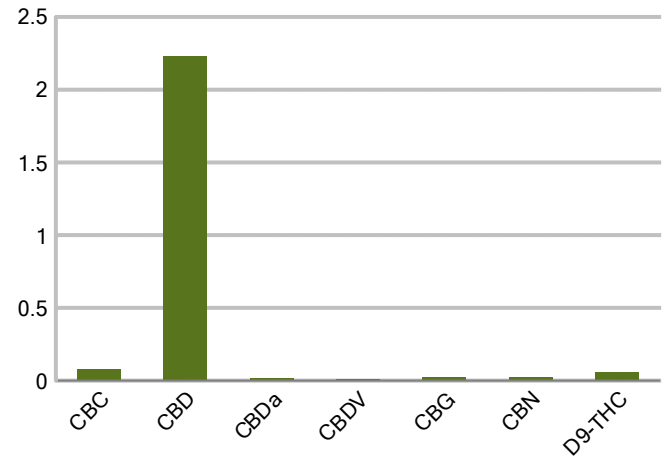
Comments:

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/ml
CBC	0.01	0.079	0.739
CBD	0.01	2.233	20.76
CBDa	0.01	0.019	0.179
CBDV	0.01	0.011	<LOQ
CBG	0.01	0.023	0.210
CBGa	0.01	ND	ND
CBN	0.01	0.023	0.217
d8-THC	0.01	ND	ND
d9-THC	0.01	0.056	0.517
THCa	0.01	ND	ND
Total Cannabinoids		2.443	22.72
Total Potential THC		0.056	0.517
Total Potential CBD		2.249	20.92
Total Potential CBG		0.023	0.210



Cannabinoids (% weight)



Ratio of Total Potential CBD to Total Potential THC 40.16 : 1

Ratio of Total Potential CBG to Total Potential THC 0.41 : 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.



Accreditation #109588

Authorized Signature

Laboratory Manager

Jamie Hobgood

06/04/2021 3:16 PM

DATE

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CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

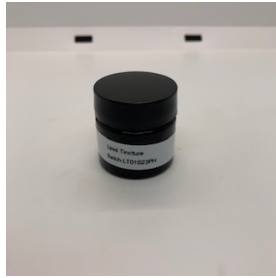


Sample ID: 210528006
Sample Name: Lipid Tincture
Sample Type: Edible

Certificate of Analysis

Customer

Palmetto Synergistic Research
8856 Pee Dee Hwy
Conway, SC 29527



Overall Batch Results	
Pesticide	Moisture Content
Potency	Water Activity
Mycotoxins	Heavy Metals
Microbial Screen	Residual Solvents
Terpenoids	

Sample Name: Lipid Tincture
Sample ID: 210528006
Product Type: Edible
Sample Type: Edible
Collected Date:
Received Date: 05/28/2021
Batch Number: LT01025PH
Batch Size:
Sample Size:
COA released: 06/04/2021 3:16 PM

Potency (mg/mL)			
Date Tested: 05/28/2021	Method: CB-SOP-028		
Instrument:			

0.056 % Total THC	2.249 % Total CBD	2.443 % Total Cannabinoids	22.72 mg/mL Total Cannabinoids
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Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	0.079	%	0.010	0.739	mg/mL
CBD (Cannabidiol)	2.233	%	0.010	20.76	mg/mL
CBDa (Cannabidiolic Acid)	0.019	%	0.010	0.179	mg/mL
CBDV (Cannabidivarin)	0.011	%	0.010	<LOQ	mg/mL
CBG (Cannabigerol)	0.023	%	0.010	0.210	mg/mL
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/mL
CBN (Cannabinol)	0.023	%	0.010	0.217	mg/mL
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/mL
D9-THC (D9-Tetrahydrocannabinol)	0.056	%	0.010	0.517	mg/mL
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/mL

Terpenoids					
Date Tested: 06/02/2021	Method: CB-SOP-026				
Instrument:					

Analyte	Result	Unit	LOQ	Result	Unit
alpha-Bisabolol	<LOQ	mg/g	0.100	<LOQ	%
alpha-humulene	<LOQ	mg/g	0.100	<LOQ	%
alpha-pinene	<LOQ	mg/g	0.100	<LOQ	%
alpha-terpinene	<LOQ	mg/g	0.100	<LOQ	%
beta-caryophyllene	<LOQ	mg/g	0.100	<LOQ	%
Beta-myrcene	<LOQ	mg/g	0.100	<LOQ	%
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	<LOQ	mg/g	0.100	<LOQ	%
Isopulegol	<LOQ	mg/g	0.100	<LOQ	%
Linalool	<LOQ	mg/g	0.100	<LOQ	%
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	%

Pesticides			
Date Tested: 06/02/2021	Method: CB-SOP-025		Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	NT	ppm	0.010		Acetamiprid	NT	ppm	0.010	
Aldicarb	NT	ppm	0.010		Azoxystrobin	ND	ppm	0.010	
Bifenazate	ND	ppm	0.010		Bifenthrin	ND	ppm	0.100	
Boscalid	NT	ppm	0.010		Carbaryl	NT	ppm	0.010	
Carbofuran	NT	ppm	0.010		Chlorantranilprole	NT	ppm	0.010	
Chlorpyrifos	NT	ppm	0.010		Clofentezine	NT	ppm	0.010	
Coumaphos	NT	ppm	0.010		Daminozide	NT	ppm	0.010	
Diazinon	NT	ppm	0.010		Dichlorvos	ND	ppm	0.010	
Dimethoate	NT	ppm	0.010		Etofenprox	NT	ppm	0.010	
Etoxazole	ND	ppm	0.010		Fenhexamid	NT	ppm	0.010	
Fenoxycarb	ND	ppm	0.010		Fenpyroximate	NT	ppm	0.010	
Fipronil	NT	ppm	0.010		Flonicamid	NT	ppm	0.100	

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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Sample ID: 210528006
Sample Name: Lipid Tincture
Sample Type: Edible

Certificate of Analysis

Pesticides		
Date Tested: 06/02/2021	Method: CB-SOP-025	Instrument:

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

Mycotoxins		
Date Tested: 06/02/2021	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: 06/01/2021	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: 06/04/2021	Method:	Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
STEC (E. coli)	Negative				Salmonella	Negative			
L. monocytogenes	Negative				Yeast/Mold (qPCR)	0	CFUs		

Residual Solvent		
Date Tested: 06/03/2021	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	

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Sample ID: 210528006
Sample Name: Lipid Tincture
Sample Type: Edible

Certificate of Analysis

Residual Solvent		
Date Tested: 06/03/2021	Method: CB-SOP-032	Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
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	



Authorized Signature


Laboratory Manager

Jamie Hobgood

06/04/2021 3:16 PM

Date Time

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