



<b>Product Name:</b>	<b>Tincture (Flavor)</b>
<b>Product Batch:</b>	L001023PH
<b>Certificate ID Number:</b>	CannaBusiness Laboratories: CB201216008
<b>Date Tested:</b>	12/23/2020

<b>Cannabinoid Profile &amp; Potency Liquid Tincture:</b>	
<b>D9-THC:</b>	0.721mg/mL
<b>CBD:</b>	21.27mg/mL
<b>CBDV:</b>	ND
<b>CBG:</b>	0.283mg/mL
<b>CBC:</b>	0.781mg/mL
<b>CBN:</b>	ND
<b>Total THC:</b>	0.721mg/mL
<b>Total CBD:</b>	21.73mg/mL
<b>Manufactured By:</b> Palmetto Synergistic Research	
<b>Manufactured Date:</b> 12/17/2020	

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

This product has been reviewed by CannaBusiness Laboratories, LLC. 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.



# CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

## Certificate of Analysis

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

Sample ID: **201216015**  
Order Number: **CB201216008**  
Sample Name: **Lipid Tincture Orange**

Collected Date:  
Received Date: **12/17/2020**  
COA Released: **12/23/2020**

External Sample ID:  
Batch Number: **L001023PH**  
Product Type: **Edible**  
Sample Type: **Edible**

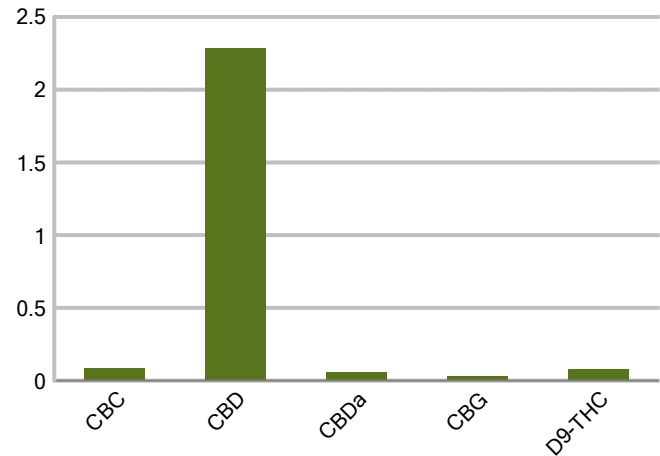
Comments:

### CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/ml
CBC	0.01	0.084	0.781
CBD	0.01	2.287	21.27
CBDa	0.01	0.056	0.519
CBDV	0.01	ND	ND
CBG	0.01	0.030	0.283
CBGa	0.01	ND	ND
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	0.078	0.721
THCa	0.01	ND	ND
<b>Total Cannabinoids</b>		<b>2.535</b>	<b>23.58</b>
<b>Total Potential THC</b>		<b>0.078</b>	<b>0.721</b>
<b>Total Potential CBD</b>		<b>2.336</b>	<b>21.73</b>
<b>Total Potential CBG</b>		<b>0.030</b>	<b>0.283</b>



Cannabinoids (% weight)



**Ratio of Total Potential CBD to Total Potential THC 29.95 : 1**

**Ratio of Total Potential CBG to Total Potential THC 0.39 : 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

12/23/2020 11:13 AM

DATE

This product has been tested by CannaBusiness Laboratories using validated testing methodologies and a quality system. Values reported relate only to the product tested. CannaBusiness Laboratories makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall be reproduced except in full, without the written permission of CannaBusiness Laboratories. Uncertainty information is available on request. Photo is of sample received by the lab and may vary from final packaging. The results apply to the sample as received. ISO/IEC 17025:2017 Accredited.



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2554 Palumbo Dr. Lexington, KY 40509



Sample ID: 201216015  
Sample Name: Lipid Tincture Orange  
Sample Type: Edible

## Certificate of Analysis

### Customer

Palmetto Synergistic Research  
8856 Pee Dee Hwy  
Conway, SC 29527



### Overall Batch Results

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

Sample Name: Lipid Tincture Orange

Sample ID: 201216015

Product Type: Edible

Sample Type: Edible

Collected Date:

Received Date: 12/17/2020

Batch Number: L001023PH

Batch Size:

Sample Size:

COA released: 12/23/2020 11:13 AM

### Potency

Date Tested: 12/17/2020

Method:

Instrument:

0.078 %	2.336 %	2.535 %	NT
Total THC	Total CBD	Total Cannabinoids	Total Cannabinoids

Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	0.084	%	0.010	0.781	mg/mL
CBD (Cannabidiol)	2.287	%	0.010	21.27	mg/mL
CBDa (Cannabidiolic Acid)	0.056	%	0.010	0.519	mg/mL
CBDV (Cannabidivarin)	ND	%	0.010	ND	mg/mL
CBG (Cannabigerol)	0.030	%	0.010	0.283	mg/mL
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/mL
CBN (Cannabinol)	ND	%	0.010	ND	mg/mL
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/mL
D9-THC (D9-Tetrahydrocannabinol)	0.078	%	0.010	0.721	mg/mL
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/mL

### Pesticides

Date Tested: 12/21/2020

Method:

Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	NT	ppm	0.010	Pass	Acetamiprid	NT	ppm	0.010	Pass
Aldicarb	NT	ppm	0.010	Pass	Azoxystrobin	ND	ppm	0.010	Pass
Bifenazate	ND	ppm	0.010	Pass	Bifenthrin	ND	ppm	0.010	Pass
Boscalid	NT	ppm	0.010	Pass	Carbaryl	NT	ppm	0.010	Pass
Carbofuran	NT	ppm	0.010	Pass	Chlorantraniliprole	NT	ppm	0.010	Pass
Chlorpyrifos	NT	ppm	0.010	Pass	Clofentezine	NT	ppm	0.010	Pass
Coumaphos	NT	ppm	0.010	Pass	Daminozide	NT	ppm	0.010	Pass
Diazinon	NT	ppm	0.010	Pass	Dichlorvos	ND	ppm	0.010	Pass
Dimethoate	NT	ppm	0.010	Pass	Etofenprox	NT	ppm	0.010	Pass
Etoxazole	ND	ppm	0.010	Pass	Fenhexamid	NT	ppm	0.010	Pass
Fenoxycarb	ND	ppm	0.010	Pass	Fenpyroximate	NT	ppm	0.010	Pass
Fipronil	NT	ppm	0.010	Pass	Fonicamid	NT	ppm	0.010	Pass
Fludioxonil	NT	ppm	0.010	Pass	Hexythiazox	NT	ppm	0.010	Pass
Imazalil	ND	ppm	0.010	Pass	Imidacloprid	ND	ppm	0.010	Pass
Malathion	NT	ppm	0.010	Pass	Metalaxyl	NT	ppm	0.010	Pass
Methiocarb	NT	ppm	0.010	Pass	Methomyl	NT	ppm	0.010	Pass
Myclobutanil	ND	ppm	0.010	Pass	Naled	NT	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  
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Sample ID: 201216015  
Sample Name: Lipid Tincture Orange  
Sample Type: Edible

## Certificate of Analysis

Pesticides							
Date Tested: 12/21/2020		Method:		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Oxamyl	NT	ppm	0.010	Pass	Paclobutrazol	ND	ppm	0.010	Pass
Phosmet	NT	ppm	0.010	Pass	Prallethrin	NT	ppm	0.010	Pass
Propiconazole	NT	ppm	0.010	Pass	Propoxur	NT	ppm	0.010	Pass
Pyrethrin I	ND	ppm	0.010	Pass	Pyrethrin II	ND	ppm	0.010	Pass
Pyridaben	NT	ppm	0.010	Pass	Spinetoram	NT	ppm	0.010	Pass
Spiromesifen	ND	ppm	0.010	Pass	Spirotetramat	ND	ppm	0.010	Pass
Tebuconazole	NT	ppm	0.010	Pass	Thiacloprid	NT	ppm	0.010	Pass
Thiamethoxam	NT	ppm	0.010	Pass	Trifloxystrobin	ND	ppm	0.010	Pass
Ethoprophos	NT	ppm	0.010	Pass	Kresoxym-methyl	NT	ppm	0.010	Pass
Permethrins	NT	ppm	0.010	Pass	Piperonyl Butoxide	ND	ppm	0.010	Pass
Spinosyn A	ND	ppm	0.010	Pass	Spiroxamine-1	NT	ppm	0.010	Pass
AbamectinB1a	NT	ppm	0.010	Pass	Spinosyn D	ND	ppm	0.010	Pass

Mycotoxins							
Date Tested: 12/21/2020		Method:		Instrument:			

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: 12/21/2020		Method:		Instrument:			

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: 12/22/2020		Method:		Instrument:			

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	0	CFUs		Pass					



### Authorized Signature

*J. Hobgood*  
Laboratory Manager

Jamie Hobgood

12/23/2020 11:13 AM

Date Time

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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