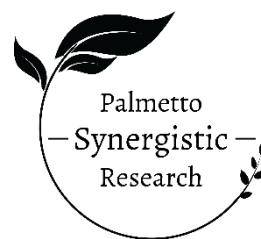


Cannabinoid Certificate of Analysis

EVIO Labs
1200 5th St.
Berkeley, CA 94710



Product Name:	Lipid Tincture
Product Batch:	LT01021PH
Certificate ID Number:	1909ELB067.1880
Date Tested:	9/16/2019

Cannabinoid Profile & Potency	
D9-THC	0.89mg/mL
CBD	26.824mg/mL
CBG	0.496mg/mL
CBC	0.79mg/mL
CBDA	1.720mg/mL
Total Counts:	mg to mL
Total THC	0.89mg/mL
Total CBD	28.332mg/mL

** Total CBD count 30mL bottle is: 849.96mg CBD/ 100mL bottle: 2,833.2mg CBD/ 946mL bottle: 26,802.072mg CBD**

Manufactured by: Palmetto Synergistic Research
Manufacture Date: 9/16/2019

Terpene Profile:	Please see full lab for multiple Terpene profiles
Pesticides	Pass
Residual Solvents	Pass
Microbials	Pass
Mycotoxin Testing:	Pass
Heavy Metals	Pass

Quality Approval		
Prepared By/Date	Approved By/Date	Status
<i>Judy Ghanem</i> *Digitally signed. 09/16/2019	<i>Janel Ralph</i> *Digitally signed. 09/16/2019	Pass

This Palmetto Harmony™ product has been reviewed by ProVerde. With the conclusion of the lab results, the product has met all product specifications, and is available to the public. 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 been evaluated this product. *


Lipid Tincture Batch LT01021PH

Sample ID: 1909ELB0607.1880
Strain: N/A
Matrix: Ingestible
Type: Tincture
Sample Size: 1 units; Batch:

Created: 09/16/2019
Collected: 09/16/2019
Received: 09/16/2019
Completed: 09/22/2019
Batch#:

Client
Palmetto Synergistic Research
Lic. #
8856 Pee Dee Hwy.
Conway, SC 29527

Cultivator/Manufacturer

	0.092%	2.923%	3.186%
	Total THC	Total CBD	Total Cannabinoids
	NT	NT	Not Tested
	Water Activity	Moisture	Foreign Matter

Safety

Batch Status: Pass

Pass	Pass	Pass	Pass	Pass	Not Tested
Pesticides	Microbials	Mycotoxins	Solvents	Metals	Foreign Matter

Cannabinoids

Complete

Analyte	LOD	LOQ	Mass	Mass	Mass	Mass	Mass
	%	%	%	mg/g	mg/mL	mg/serving	mg/container
THCa	0.0083	0.0206	ND	ND	ND	ND	ND
Δ9-THC	0.0058	0.0206	0.0918	0.918	0.890	0.000	0.000
Δ8-THC	0.0078	0.0206	ND	ND	ND	ND	ND
CBDa	0.0050	0.0206	0.1775	1.775	1.720	0.000	0.000
CBD	0.0062	0.0206	2.7676	27.676	26.824	0.000	0.000
CBDV	0.0058	0.0206	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
CBN	0.0078	0.0206	ND	ND	ND	ND	ND
CBGa	0.0099	0.0206	ND	ND	ND	ND	ND
CBG	0.0091	0.0206	0.0511	0.511	0.496	0.000	0.000
CBC	0.0070	0.0206	0.0979	0.979	0.949	0.000	0.000
Total THC			0.0918	0.918	0.890	0.000	0.000
Total CBD			2.9233	29.233	28.332	0.000	0.000
Total			3.1860	31.860	30.879	0.000	0

Moisture

Date Tested:

Equipment Used: NT = Not tested; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Shimadzu MOC63U; EVIO SOPT.40.010

Foreign Matter

Date Tested:

Equipment Used: Analytical Instrumentation: Stereo Microscope SH-2B/T; EVIO SOPT.40.013

Water Activity

Date Tested:

Equipment Used: NT = Not tested; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Rotronic HC2-AW; EVIO SOPT.40.011.CA

1 Unit = 1 mL serving = 0.9692g

Total CBD = (CBDa x 0.877) + CBD, Total THC = (THCa x 0.877) + Δ9-THC

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; Cured plant material reported as moisture-corrected % dry weight, other sample types reported 'as is'; All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Shimadzu Nexera HPLC. EVIO SOPT.30.050.CA, SOPT.40.023.CA





David Egerton
Lab Director
09/22/2019

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QA Testing

2 of 5

Lipid Tincture Batch LT01021PH

Sample ID: 1909ELB0607.1880

Strain: N/A

Matrix: Ingestible

Type: Tincture

Sample Size: 1 units; Batch:

Created: 09/16/2019

Collected: 09/16/2019

Received: 09/16/2019

Completed: 09/22/2019

Batch#:

Client

Palmetto Synergistic Research

Lic. #

8856 Pee Dee Hwy.

Conway, SC 29527

Cultivator/Manufacturer

Terpenes

Analyte	LOD	LOQ	Mass	Mass	
	%	%	%	mg/g	
Nerolidol		0.08	0.14	1.4	<div></div>
(-)- α -Bisabolol		0.08	0.10	1.0	<div></div>
β -Caryophyllene		0.08	0.10	1.0	<div></div>
α -Humulene		0.08	<LOQ	<LOQ	
α -Pinene		0.08	ND	ND	
α -Terpinene		0.08	ND	ND	
β -Myrcene		0.08	<LOQ	<LOQ	
Camphene		0.08	ND	ND	
Caryophyllene Oxide		0.08	<LOQ	<LOQ	
δ -3-Carene		0.08	ND	ND	
δ -Limonene		0.08	ND	ND	
Eucalyptol		0.08	ND	ND	
γ -Terpinene		0.08	ND	ND	
Geraniol		0.08	ND	ND	
Linalool		0.08	<LOQ	<LOQ	
Ocimene		0.08	<LOQ	<LOQ	
(-)- β -Pinene		0.08	ND	ND	
(-)-Guaiol		0.08	<LOQ	<LOQ	
(-)-Isopulegol		0.08	ND	ND	
p-Cymene		0.08	ND	ND	
Terpinolene		0.08	ND	ND	
Total			0.33	3.3	

Date Tested: 09/16/2019

Analytical Instrumentation: Agilent 7890B/MSD5977A GC/MS/FID EID: 0303 EVIO SOPT.40.091, SOPT.30.050.CA



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Lab Director
09/22/2019

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QA Testing

3 of 5

Lipid Tincture Batch LT01021PH

Sample ID: 1909ELB0607.1880

Strain: N/A

Matrix: Ingestible

Type: Tincture

Sample Size: 1 units; Batch:

Created: 09/16/2019

Collected: 09/16/2019

Received: 09/16/2019

Completed: 09/22/2019

Batch#:

Client

Palmetto Synergistic Research

Lic. #

8856 Pee Dee Hwy.

Conway, SC 29527

Cultivator/Manufacturer

Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.024	0.08	0.3	ND	Pass	Fludioxonil	0.014	0.075	30	ND	Pass
Acephate	0.004	0.075	5	ND	Pass	Hexythiazox	0.003	0.075	2	ND	Pass
Acequinocyl	0.018	0.075	4	ND	Pass	Imazalil	0.01	0.075	0.01	ND	Pass
Acetamiprid	0.007	0.075	0.5	ND	Pass	Imidacloprid	0.01	0.075	3	ND	Pass
Aldicarb	0.015	0.075	0.015	ND	Pass	Kresoxim Methyl	0.008	0.075	1	ND	Pass
Azoxystrobin	0.007	0.075	40	ND	Pass	Malathion	0.005	0.075	5	ND	Pass
Bifenazate	0.006	0.075	5	ND	Pass	Metalaxyl	0.006	0.075	15	ND	Pass
Bifenthrin	0.008	0.075	0.5	ND	Pass	Methiocarb	0.008	0.075	0.008	ND	Pass
Boscalid	0.009	0.075	10	ND	Pass	Methomyl	0.008	0.075	0.1	ND	Pass
Captan	0.035	0.116	5	ND	Pass	Methyl Parathion	0.016	0.075	0.016	ND	Pass
Carbaryl	0.008	0.075	0.5	ND	Pass	Mevinphos	0.01	0.075	0.01	ND	Pass
Carbofuran	0.004	0.075	0.004	ND	Pass	Myclobutanil	0.008	0.075	9	ND	Pass
Chlorantraniliprole	0.013	0.075	40	ND	Pass	Naled	0.009	0.075	0.5	ND	Pass
Chlordane	0.003	0.075	0.003	ND	Pass	Oxamyl	0.005	0.075	0.2	ND	Pass
Chlorfenapyr	0.008	0.075	0.008	ND	Pass	Paclobutrazol	0.006	0.075	0.006	ND	Pass
Chlorpyrifos	0.003	0.075	0.003	ND	Pass	Pentachloronitrobenzene	0.015	0.075	0.2	ND	Pass
Clofentezine	0.004	0.075	0.5	ND	Pass	Permethrin	0.01	0.075	20	ND	Pass
Coumaphos	0.004	0.075	0.004	ND	Pass	Phosmet	0.008	0.075	0.2	ND	Pass
Cyfluthrin	0.064	0.21	1	ND	Pass	Piperonyl Butoxide	0.003	0.075	8	ND	Pass
Cypermethrin	0.012	0.075	1	ND	Pass	Prallethrin	0.009	0.075	0.4	ND	Pass
Daminozide	0.007	0.075	0.007	ND	Pass	Propiconazole	0.009	0.075	20	ND	Pass
Diazinon	0.005	0.075	0.2	ND	Pass	Propoxur	0.008	0.075	0.008	ND	Pass
Dichlorvos	0.005	0.075	0.005	ND	Pass	Pyrethrins	0.008	0.075	1	ND	Pass
Dimethoate	0.007	0.075	0.007	ND	Pass	Pyridaben	0.005	0.075	3	ND	Pass
Dimethomorph	0.007	0.075	20	ND	Pass	Spinetoram	0.006	0.075	3	ND	Pass
Ethoprophos	0.005	0.075	0.005	ND	Pass	Spinosad	0.004	0.075	3	ND	Pass
Etofenprox	0.005	0.075	0.005	ND	Pass	Spiromesifen	0.008	0.075	12	ND	Pass
Etiozazole	0.004	0.075	1.5	ND	Pass	Spirotetramat	0.01	0.075	13	ND	Pass
Fenhexamid	0.005	0.075	10	ND	Pass	Spiroxamine	0.003	0.075	0.003	ND	Pass
Fenoxycarb	0.007	0.075	0.007	ND	Pass	Tebuconazole	0.008	0.075	2	ND	Pass
Fenpyroximate	0.004	0.075	2	ND	Pass	Thiacloprid	0.008	0.075	0.008	ND	Pass
Fipronil	0.01	0.075	0.01	ND	Pass	Thiamethoxam	0.007	0.075	4.5	ND	Pass
Fonicamid	0.007	0.075	2	ND	Pass	Trifloxystrobin	0.005	0.075	30	ND	Pass

Date Tested: 09/16/2019

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND - Not Detected; The reported result is based on as-is sample mass, e.g., wet-weight; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Perkin Elmer Q5ight 420 LC-MS/MS; SOP.T40.051.CA



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Lab Director
09/22/2019

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QA Testing

4 of 5

Lipid Tincture Batch LT01021PH

Sample ID: 1909ELB0607.1880
Strain: N/A
Matrix: Ingestible
Type: Tincture
Sample Size: 1 units; Batch:

Created: 09/16/2019
Collected: 09/16/2019
Received: 09/16/2019
Completed: 09/22/2019
Batch#:

Client
Palmetto Synergistic Research
Lic. #
8856 Pee Dee Hwy.
Conway, SC 29527

Cultivator/Manufacturer

Residual Solvents

Analyte	LOD	LOQ	Limit	Concentration	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.08	0.25	1	ND	Pass
Benzene	0.03	0.12	1	ND	Pass
Chloroform	0.11	0.37	1	ND	Pass
Ethylene Oxide	0.12	0.41	1	ND	Pass
Methylene-Chloride	0.66	0.75	1	ND	Pass
Trichloroethene	0.4	0.4	1	ND	Pass
Acetone	5.46	36	5000	ND	Pass
Acetonitrile	0.41	1.37	410	ND	Pass
Butane	41.96	230.4	5000	ND	Pass
Ethanol	6.39	48		ND	Tested
Ethyl-Acetate	2.61	19.2	5000	ND	Pass
Ethyl-Ether	3.19	10.51	5000	ND	Pass
Heptane	2.99	24	5000	ND	Pass
Hexanes	0.31	1.03	290	ND	Pass
Isopropanol	3.3	24	5000	ND	Pass
Methanol	2.76	9.12	3000	ND	Pass
Pentane	6.29	36	5000	ND	Pass
Propane	7.93	26.16	5000	ND	Pass
Toluene	0.98	3.24	890	ND	Pass
Xylenes	1.04	1.04	2170	ND	Pass

Date Tested: 09/17/2019

LOD=Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; The reported result is based on nominal sample weight, and reported 'as is'; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Shimadzu QP2020 GCMS; EVIO SOP.T.40.031.CA



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09/22/2019

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QA Testing

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Lipid Tincture Batch LT01021PH

Sample ID: 1909ELB0607.1880

Strain: N/A

Matrix: Ingestible

Type: Tincture

Sample Size: 1 units; Batch:

Created: 09/16/2019

Collected: 09/16/2019

Received: 09/16/2019

Completed: 09/22/2019

Batch#:

Client

Palmetto Synergistic Research

Lic. #

8856 Pee Dee Hwy.

Conway, SC 29527

Cultivator/Manufacturer

Microbials

Pass

Analyte

Result

Aspergillus	None Detected in 1g
Aspergillus flavus	None Detected in 1g
Aspergillus fumigatus	None Detected in 1g
Aspergillus niger	None Detected in 1g
Aspergillus terreus	None Detected in 1g
Shiga toxin-producing E. Coli	None Detected in 1g
Salmonella SPP	None Detected in 1g

Date Tested: 09/17/2019

NT = Not tested; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: BIO-RAD QPCR CFX96; EVIO SOPT.40.043

Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Units	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Total Aflatoxins	4.4	14.6	20	ND	Pass
Ochratoxin A	4.5	14.8	20	ND	Pass

Date Tested: 09/16/2019

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; The reported result is based on a sample weight with the applicable moisture content for that sample; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Perkin Elmer QSight 420 LC-MS/MS; SOPT.40.051.CA

Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Units	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.029	0.088	1.5	ND	Pass
Cadmium	0.02	0.059	0.5	ND	Pass
Lead	0.016	0.047	0.5	ND	Pass
Mercury	0.023	0.07	3	ND	Pass

Date Tested: 09/18/2019

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; The reported result is based on sample weight, and reported 'as is'; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Shimadzu ICP/MS. EVIO SOPT.30.070.CA, SOPT.40.060.CA



David Egerton

David Egerton
Lab Director
09/22/2019

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