CERTIFICATE OF ANALYSIS

PRODUCT NAME: Organic Full Spectrum CBD Tincture - Tropical
PRODUCT STRENGTH: 900mg
TINCTURE BATCH: 240814A
BEST BY DATE: 8/14/26
HEMP EXTRACT LOT: EV24.OFXD.219

Physical Atttributes

Test	Method	Specification	Results
Color	Internal	Golden to Amber	PASS
Odor	Internal	Characteristic - Coconut and Hemp, Tropical	PASS
Appearance	Internal	Golden to Amber oil in brown glass bottle with dropper.	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	Internal	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	HPLC-UV DAD	LOQ**: ≥ product strength mg / bottle	**1057mg**	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.3% total THC, mg per bottle (Full Spectrum)	**0.18% 53mg**	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	**Below LOQ**	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram***	**Absent**	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	**Absent**	PASS
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	**Below LOQ**	PASS
Microbial Total Coliforms	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	**Below LOQ**	PASS
Microbial Total Aerobic Count	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram	**Below LOQ**	PASS
Heavy Metals	ICP-MS	Arsenic (As): ≤1.5 ppm† Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	**Below LOQ**	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb†† Afltoxin B1 < 5 ppb Ochratoxin < 5 ppb	**Below LOQ**	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	**Below LOQ**	PASS

*Only applies to products with labels claiming certified organic
**Level of Quantification
***Colony Forming Units per Gram
† Parts Per Million †† Part Per Billion

Values expressed in scientific notation.

Examples:
10^2=100
10^3=1,000

Quality Certified — Name — 8/30/24 Date

ACS LABORATORY | CANNABIS & HEMP BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

900mg FS Tropical
Sample Matrix: CBD/HEMP Edibles (Ingestion)

Certificate of Analysis

Compliance Test

Batch # 240814A
Batch Date: 2024-07-25
Extracted From: N/A

Test Reg State: Colorado

Order Date: 2024-07-25
Sample # AAFU362

Sampling Date: 2024-07-29
Lab Batch Date: 2024-07-29
Completion Date: 2024-08-01

Initial Gross Weight: 227.300 g

Potency Tested
Pathogenic Passed
Microbiology Petrifilm Passed

Product Image

Potency 10

Specimen Weight: 101.320 mg

Tested
SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	10.000	5.40E-5	0.015	35.060	3.506
Delta-9 THC	10.000	1.30E-5	0.015	1.800	0.180
CBC	10.000	1.80E-5	0.015	1.080	0.108
CBG	10.000	2.48E-4	0.015	0.670	0.067
CBDV	10.000	6.50E-5	0.015	0.340	0.034
CBDA	10.000	1.00E-5	0.015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.015	<LOQ	<LOQ
CBN	10.000	1.40E-5	0.015	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.015	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	10.000			35.060	3.506
Total Active THC	10.000			1.800	0.180

Potency Summary

Total Active THC 0.180%	**Total Active CBD** 3.506%
Total CBG 0.067%	**Total CBN** - None Detected
Total Cannabinoids 3.895%	

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

ACCREDITED CERT #6786.01

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87) , CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed – Analyte/microbe is not detected or is at the level below the action limit per CO rule 6 CCR 1010-21. Failed – Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21 Sample not received via laboratory sampling.

QA By: 1222 on 2024-08-01 18:51:37 V1

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www.acslabcannabis.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Organic Full Spectrum CBD Tincture - Tropical
Sample Matrix: CBD/HEMP Derivative Products (Ingestion)

Certificate of Analysis

Compliance Test

Batch Batch# 240814A
Date: 2024-02-142024-02-14
Completion Date: 2024-02-23

Test Reg State: Colorado

Initial Gross Weight: 15.224 g

Product Image

Pesticides
Passed

Pesticides - CO

Passed

Specimen Weight: 582.500 mg

SOP14.003 (LCMS/GCMS)

Dilution Factor: 2.580

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Abamectin	3.1800E-4	100	100	<LOQ
Acephate	3.9632E-2	20	20	<LOQ
Acequinocyl	5.7646E-2	30	30	<LOQ
Acetamiprid	3.3800E-10	50	50	<LOQ
Aldicarb	2.2744E-2	1000	1000	<LOQ
Allethrin	4.7244E-1	200	200	<LOQ
Atrazine	3.7992E-1	25	25	<LOQ
Azadirachtin	3.0710E-3	1000	1000	<LOQ
Azoxystrobin	1.3247E-2	20	20	<LOQ
Benzovindiflupyr	1.2567E-2	20	20	<LOQ
Bifenazate	2.1700E-8	20	20	<LOQ
Bifenthrin	8.4200E-4	1000	1000	<LOQ
Boscalid	4.3300E-6	10	10	<LOQ
Buprofezin	1.6600E-9	20	20	<LOQ
Carbaryl	1.3800E-5	25	25	<LOQ
Carbofuran	7.7600E-5	10	10	<LOQ
Chlorantraniliprole	1.3559E-1	20	20	<LOQ
Chlorfenapyr	1.5370E+1	1500	1500	<LOQ
Chlorpyrifos	9.0900E-5	500	500	<LOQ
Clofentezine	3.7100E-7	10	10	<LOQ
Clothianidin	3.9900E-4	25	25	<LOQ
Coumaphos	9.8600E-5	10	10	<LOQ
Cyantraniliprole	6.0040E-3	10	10	<LOQ
Cyfluthrin	2.8130E+1	200	200	<LOQ
Cypermethrin	1.1900E-6	300	300	<LOQ
Cyprodinil	1.1410E-3	10	10	<LOQ
Daminozide	3.0408E-1	100	100	<LOQ
Deltamethrin	4.9284E-1	500	500	<LOQ
Diazinon	3.9100E-10	20	20	<LOQ
Dichlorvos	1.1406E+0	50	50	<LOQ
Dimethoate	2.8400E-6	10	10	<LOQ
Dimethomorph	1.5700E-4	50	50	<LOQ
Dinotefuran	2.3697E-1	50	50	<LOQ
Diuron	6.8620E-3	125	125	<LOQ
Dodemorph	6.4700E-12	50	50	<LOQ
Endosulfan sulfate	8.8376E-1	2500	2500	<LOQ
Endosulfan-alpha	1.2220E+1	2500	2500	<LOQ
Endosulfan-beta	2.2760E+1	2500	2500	<LOQ
Ethoprophos	1.5900E-5	10	10	<LOQ
Etofenprox	8.3050E-3	50	50	<LOQ
Etoxazole	8.3558E-1	20	20	<LOQ
Etridiazole	4.0200E+0	150	150	<LOQ
Fenhexamid	1.0947E+0	125	125	<LOQ
Fenoxycarb	3.4507E-1	10	10	<LOQ
Fenpyroximate	4.4800E-7	20	20	<LOQ
Fensulfothion	7.9400E-4	10	10	<LOQ
Fenthion	4.9113E+0	10	10	<LOQ
Fenvalerate	5.9775E-1	100	100	<LOQ
Fipronil	2.8847E-2	10	10	<LOQ
Flonicamid	6.9733E-2	25	25	<LOQ
Fludioxonil	1.3402E-2	10	10	<LOQ
Fluopyram	1.1200E-9	10	10	<LOQ
Hexythiazox	6.1900E-5	10	10	<LOQ
Imazalil	2.9500E-4	10	10	<LOQ
Imidacloprid	1.5300E-4	10	10	<LOQ
Iprodione	1.0554E-1	500	500	<LOQ
Kinoprene	3.4000E+0	500	1250	<LOQ
Kresoxim Methyl	1.4500E-4	150	150	<LOQ
Lambda Cyhalothrin	1.1686E-1	250	250	<LOQ
Malathion	1.3300E-4	10	10	<LOQ
Metalaxyl	4.8600E-5	10	10	<LOQ
Methiocarb	2.2810E-3	10	10	<LOQ
Methomyl	1.1500E-6	25	25	<LOQ
Methoprene	1.1485E+0	2000	2000	<LOQ
methyl-Parathion	4.2400E+0	9.6	9.6	<LOQ
Mevinphos	4.4200E-5	25	25	<LOQ
MGK-264	2.5880E-3	50	50	<LOQ
Myclobutanil	7.0006E-1	10	10	<LOQ
Naled	5.8500E-6	100	100	<LOQ
Novaluron	2.0500E-4	25	25	<LOQ
Oxamyl	1.6190E-3	1500	1500	<LOQ
Paclobutrazol	6.9300E-8	10	10	<LOQ
Pentachloronitrobenzen (Quintozene)	4.3900E+0	20	20	<LOQ
Permethrin	2.2089E-2	50	50	<LOQ
Phenothrin	2.1200E-7	50	50	<LOQ
Phosmet	9.6150E-3	20	20	<LOQ
Piperonylbutoxide	1.3400E-7	1250	1250	<LOQ
Pirimicarb	5.6600E-5	10	10	<LOQ
Prallethrin	1.6732E-1	50	50	<LOQ
Propiconazole	2.1300E-14	100	100	<LOQ
Propoxur	3.5081E-1	10	10	<LOQ
Pyraclostrobin	5.3100E-7	10	10	<LOQ
Pyrethrins	6.2350E-3	50	50	<LOQ
Pyridaben	8.7500E-15	20	20	<LOQ
Pyriproxyfen	9.5800E-5	10	10	<LOQ
Resmethrin	6.8013E-2	50	50	<LOQ
Spinetoram	2.3645E-2	10	10	<LOQ
Spinosad	5.9903E-1	10	10	<LOQ
Spirodiclofen	3.7377E+6	250	250	<LOQ
Spiromesifen	3.2183E-1	3000	3000	<LOQ
Spirotetramat	4.2760E-2	10	10	<LOQ
Spiroxamine	1.2172E+0	100	100	<LOQ
Tebuconazole	1.4800E-14	10	10	<LOQ
Tebufenozide	1.8121E-2	10	10	<LOQ
Teflubenzuron	1.6620E-2	25	25	<LOQ
Tetrachlorvinphos	8.3913E-1	10	10	<LOQ
Tetramethrin	9.9200E-5	100	100	<LOQ
Thiabendazole	1.2510E-3	20	20	<LOQ
Thiacloprid	1.1200E-5	10	10	<LOQ
Thiamethoxam	2.2500E-6	10	10	<LOQ
Thiophanate-methyl	2.2300E-4	50	50	<LOQ
Trifloxystrobin	2.1700E-13	10	10	<LOQ

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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QA By: 1057 on 2024-02-23 16:34:35 V1

botanacor

CERTIFICATE OF ANALYSIS

Organic Full Spectrum CBD Tincture - Tropical 900mg

Batch ID or Lot Number:	Test:	Reported:
240814A	**Metals**	**2/13/24**

Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000270433	2/13/24	N/A

Status:	Method:	Received:	Sampler ID:
Active	TM19 (ICP-MS): Heavy Metals	02/08/2024 @ 10:42 AM	N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.045 - 4.45	ND
Cadmium	0.045 - 4.46	ND
Mercury	0.047 - 4.68	ND
Lead	0.046 - 4.62	ND

Notes

Karen Winternheimer
13-Feb-24
2:40 PM
PREPARED BY / DATE

Karen Winternheimer
13-Feb-24
3:19 PM
APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.

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CERTIFICATE OF ANALYSIS

Organic Full Spectrum CBD Tincture - Tropical 900mg

Batch ID or Lot Number:	Test:	Reported:
240814A	**Mycotoxins**	**2/18/24**

Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000270435	2/15/24	N/A

Status:	Method:	Received:	Sampler ID:
Active	TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	02/08/2024 @ 10:42 AM	N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)
Ochratoxin A	2.4 - 133.5	ND
Aflatoxin B1	1 - 34.3	ND
Aflatoxin B2	1 - 34.1	ND
Aflatoxin G1	1 - 34.4	ND
Aflatoxin G2	1 - 34.6	ND
Total Aflatoxins (B1, B2, G1, and G2)		ND

Notes

N/A

Karen Winternheimer
18-Feb-24
10:21 AM

PREPARED BY / DATE

Sam Smith
18-Feb-24
10:23 AM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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CERTIFICATE OF ANALYSIS

Organic Full Spectrum CBD Tincture - Tropical 900mg

Batch ID or Lot Number:	Test:	Reported:
240814A	**Residual Solvents**	**2/12/24**

Matrix:	Test ID:	Started:	USDA License:
N/A	T000270434	2/9/24	N/A

Status:	Methods:	Received:	Sampler ID:
Active	TM04 (GC-MS): Residual Solvents	02/08/2024 @ 10:42 AM	N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	98 - 1960	*ND
Butanes (Isobutane, n-Butane)	180 - 3591	*ND
Methanol	66 - 1314	*ND
Pentane	95 - 1907	*ND
Ethanol	93 - 1861	*ND
Acetone	107 - 2143	*ND
Isopropyl Alcohol	102 - 2037	*ND
Hexane	7 - 130	*ND
Ethyl Acetate	105 - 2100	*ND
Benzene	0.2 - 4.3	*ND
Heptanes	104 - 2075	*ND
Toluene	19 - 382	*ND
Xylenes (m,p,o-Xylenes)	133 - 2669	*ND

Notes

Sam Smith
12-Feb-24
12:46 PM
PREPARED BY / DATE

Karen Winternheimer
12-Feb-24
12:49 PM
APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01

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DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Organic Full Spectrum CBD Tincture - Tropical 900
Sample Matrix: CBD/HEMP Derivative Products (Ingestion)

Certificate of Analysis

Compliance Test

Batch # 240814A
Batch Date: 2024-08-14
Extracted From: N/A

Test Reg State: Colorado

Order Date: 2024-08-14
Sample # AAFV954

Sampling Date: 2024-08-19
Lab Batch Date: 2024-08-19
Completion Date: 2024-08-23

Initial Gross Weight: 235.600 g

Pathogenic
Passed

Microbiology Petrifilm
Passed

Product Image

Pathogenic SE (qPCR) - CO

Passed
SOP13.029 (qPCR)

Specimen Weight: 25.850 g

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
E.Coli	Passed	Salmonella	Passed

Microbiology (Petrifilm) - CO

Passed
SOP13.003 (Petrifilm)

Specimen Weight: 1006.800 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Limit (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Limit (cfu/g)	Result (cfu/g)
Aerobic Bacteria	10	10000	<10	Yeast/Mold	10	1000	<10
Total Coliform	10	100	<10				

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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QA By: 1057 on 2024-08-23 16:16:14 V1