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

Hemp Flower
Sample Matrix: CBD/HEMP Flower & Plants (External Use)

Certificate of Analysis

Compliance Test

Client Information:

FIVE LEAF LABORATORIES LLC
3535 SOUTH SHERWOOD FOREST BLVD
STE 251
BATON ROUGE, LOUISIANA 70810

Batch # AACD462
Batch Date: 2022-09-22
Extracted From: Consumable Hemp

Test Reg State: Louisiana

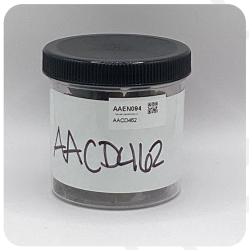
Order # FIV230526-100001
Order Date: 2023-05-26
Sample # AAEN094
Serving Number: 10.00000

Sampling Date: 2023-05-31
Lab Batch Date: 2023-05-31
Completion Date: 2023-06-06
Serving Description: Serving max is 5mg/package so serving size may vary based on potency per gram

Initial Gross Weight: 44.315 g
Net Weight: 11.215 g

Missing Serving Description

Number of Units: 1
Net Weight per Package: 11215.000 mg
Net Weight per Serving: 1121.5 mg



Product Image

Potency Tested
Heavy Metals Passed
Pesticides Passed
Moisture Tested
Pathogenic Microbiology Passed
Microbiology (qPCR) Passed

Delta 8/Delta 10 Potency 13 - (LCUV)

Passed

Specimen Weight: 202.030 mg

SOP13.052 (LCUV)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBDA	1.00E-5	0.0015	142.010	14.201
CBD	5.40E-5	0.0015	37.780	3.778
CBGA	8.00E-5	0.0015	15.760	1.576
CBC	1.80E-5	0.0015	12.520	1.252
CBG	2.48E-4	0.0015	2.900	0.290
Delta-8 THC	2.60E-5	0.0015	2.830	0.283
THCA-A	3.20E-5	0.0015	2.780	0.278
CBN	1.40E-5	0.0015	0.850	0.085
CBDV	6.50E-5	0.0015	0.400	0.040
Delta-10 THC	3.00E-6	0.0015	<LOQ	<LOQ
Delta-9 THC	1.30E-5	0.1	<LOQ	<LOQ
Delta6a10a-THC	8.47E-5	0.0015	<LOQ	<LOQ
THCV	7.00E-6	0.0015	<LOQ	<LOQ
Total Active CBD			162.320	16.232
Total Active THC			2.440	0.244

Potency Summary

Total Delta 8 per Serving: 0.314% / 3.5215mg	Total Delta 10 per Serving: - / None Detected
Delta 9 THC per Serving: 0.271% / 3.03927mg	Total Active CBD at Dry Weight per Serving: 18.030% / 202.2065mg
Total CBG per Serving: 1.857% / 20.8263mg	Total CBN per Serving: 0.094% / 1.05421mg
Other Cannabinoids per Serving: 1.430% / 16.03745mg	Total Cannabinoids per Serving: 21.996% / 246.6851mg
Total Active CBD Per Package: 18.030% / 2022.04806mg	Total Active THC at Dry Weight per Serving: 0.5268% / 5.9081mg
Total Active THC Per Package: 0.5268% / 59.08062mg	Delta 9 THC per Package: 0.271% / 30.3927mg

Sample was oven dried before potency testing.

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

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87) , CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + 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, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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 (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram, Passed – Analyte/microbe is non-detected or at the level below the action limit, Failed – Analyte/microbe is at the level that equal or above the action limit Sample not received via laboratory sampling. , *Measurement of Uncertainty = +/- 10%

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Premium Hemp Flower
Sample Matrix: CBD/HEMP Flower & Plants (External Use)

Certificate of Analysis

Compliance Test

Client Information:
FIVE LEAF LABORATORIES LLC
3535 SOUTH SHERWOOD FOREST BLVD
STE 251
BATON ROUGE, LOUISIANA 70810

Batch # AACDP102
Batch Date: 2023-06-26
Extracted From: Hemp

Test Reg State: Louisiana

Order # FIV230626-030001
Order Date: 2023-06-26
Sample # AAEP843
Serving Number: 10.00000

Sampling Date: 2023-06-27
Lab Batch Date: 2023-06-27
Completion Date: 2023-07-05
Serving Description: Serving size TBD

Initial Gross Weight: 45.162 g
Net Weight: 12.062 g

Number of Units: 1
Net Weight per Package: 12062.000 mg
Net Weight per Serving: 1206.2 mg

Moisture

Tested

Net Weight: 12.062 g
SOP13.015 (Moisture Meter)

Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)
Moisture	15	10.820

Total Yeast and Mold

Passed

Specimen Weight: 999.300 mg
SOP13.017 (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Remark
Total Yeast/Mold	100000	<LOQ	Passed

Pathogenic Microbiology - SE (MicroArray)

Passed

Specimen Weight: 1030.300 mg
SOP13.019 (Micro Array)

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Salmonella	Absence in 1g	STEC E. Coli	Absence in 1g

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Flower & Plants
(External Use)

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Compliance Test

Client Information:

FIVE LEAF LABORATORIES LLC
3535 SOUTH SHERWOOD FOREST BLVD
STE 251
BATON ROUGE, LOUISIANA 70810

Batch # AACDP102
Batch Date: 2023-06-26
Extracted From: Hemp

Test Reg State: Louisiana

Order # FIV230626-030001
Order Date: 2023-06-26
Sample # AAEP843
Serving Number: 10.00000

Sampling Date: 2023-06-27
Lab Batch Date: 2023-06-27
Completion Date: 2023-07-05
Serving Description: Serving size TBD

Initial Gross Weight: 45.162 g
Net Weight: 12.062 g

Number of Units: 1
Net Weight per Package: 12062.000 mg
Net Weight per Serving: 1206.2 mg

Heavy Metals - LA

Specimen Weight: 245.700 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 203.500

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
Arsenic (As)	.00483	0.1	10	<LOQ	Lead (Pb)	0.0058	0.1	10	<LOQ
Cadmium (Cd)	.00064	0.1	4.1	<LOQ	Mercury (Hg)	.01176	0.1	2	<LOQ

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Completion Date: 2023-07-05
Serving Description: Serving size TBD

Initial Gross Weight: 45.162 g
Net Weight: 12.062 g

Number of Units: 1
Net Weight per Package: 12062.000 mg
Net Weight per Serving: 1206.2 mg

Pesticides - LA

Specimen Weight: 589.200 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.550

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
Abamectin	3.1800E-4	0.02823	0.3	<LOQ	Hexythiazox	6.1900E-5	0.03	2	<LOQ
Acephate	3.9632E-2	0.03	5	<LOQ	Imazalil	2.9500E-4	0.03	0	<LOQ
Acequinocyl	5.7646E-2	0.048	4	<LOQ	Imidacloprid	1.5300E-4	0.03	3	<LOQ
Acetamiprid	3.3800E-10	0.03	5	<LOQ	Kresoxim Methyl	1.4500E-4	0.03	1	<LOQ
Aldicarb	2.2744E-2	0.03	0	<LOQ	Malathion	1.3300E-4	0.03	5	<LOQ
Azoxystrobin	1.3247E-2	0.01	40	<LOQ	Metalaxyl	4.8600E-5	0.03	15	<LOQ
Bifenazate	2.1700E-8	0.03	5	<LOQ	Methiocarb	2.2810E-3	0.03	0	<LOQ
Bifenthrin	8.4200E-4	0.03	0.5	<LOQ	Methomyl	1.1500E-6	0.03	0.1	<LOQ
Boscalid	4.3300E-6	0.01	10	<LOQ	Mevinphos	4.4200E-5	0.03	0	<LOQ
Captan	6.1200E+0	0.03	10	<LOQ	Myclobutanil	7.0006E-1	0.03	9	<LOQ
Carbaryl	1.3800E-5	0.01	0.5	<LOQ	Naled	5.8500E-6	0.03	0.5	<LOQ
Chlorfenapyr	1.5370E+1	0.048	0.1	<LOQ	Oxamyl	1.6190E-3	0.03	0.2	<LOQ
Chlorpyrifos	9.0900E-5	0.03	100	<LOQ	Paclobutrazol	6.9300E-8	0.03	0	<LOQ
Clofentezine	3.7100E-7	0.03	0.5	<LOQ	Pentachloronitrobenzen(Quintozene)	4.3900E+0	0.03	0.2	<LOQ
Coumaphos	9.8600E-5	0.03	0	<LOQ	Permethrin	2.2089E-2	0.03	20	<LOQ
Cyfluthrin	2.8130E+1	0.03	1	<LOQ	Phosmet	9.6150E-3	0.03	0.2	<LOQ
Cypermethrin	1.1900E-6	0.03	1	<LOQ	Piperonylbutoxide	1.3400E-7	0.03	8	<LOQ
Daminozide	3.0408E-1	0.03	0	<LOQ	Prallethrin	1.6732E-1	0.03	0.4	<LOQ
Diazinon	3.9100E-10	0.03	0.2	<LOQ	Propiconazole	2.1300E-14	0.03	20	<LOQ
Dichlorvos	1.1406E+0	0.03	0	<LOQ	Propoxur	3.5081E-1	0.03	0	<LOQ
Dimethoate	2.8400E-6	0.03	0	<LOQ	Pyrethrins	6.2350E-3	0.03	1	<LOQ
Dimethomorph	1.5700E-4	0.03	20	<LOQ	Pyridaben	8.7500E-15	0.03	3	<LOQ
Ethoprophos	1.5900E-5	0.03	1.5	<LOQ	Spinetoram	2.3645E-2	0.03	3	<LOQ
Etofenprox	8.3050E-3	0.03	0	<LOQ	Spinosad	5.9903E-1	0.03	3	<LOQ
Etoxazole	8.3558E-1	0.03	1.5	<LOQ	Spiromesifen	3.2183E-1	0.03	12	<LOQ
Fenhexamid	1.0947E+0	0.03	10	<LOQ	Spirotetramat	4.2760E-2	0.03	13	<LOQ
Fenoxycarb	3.4507E-1	0.03	0	<LOQ	Spiroxamine	1.2172E+0	0.03	0	<LOQ
Fenpyroximate	4.4800E-7	0.03	2	<LOQ	Tebuconazole	1.4800E-14	0.02	2	<LOQ
Fipronil	2.8847E-2	0.03	0.1	<LOQ	Thiacloprid	1.1200E-5	0.03	0	<LOQ
Flonicamid	6.9733E-2	0.03	2	<LOQ	Thiamethoxam	2.2500E-6	0.03	4.5	<LOQ
Fludioxonil	1.3402E-2	0.03	30	<LOQ	Trifloxystrobin	2.1700E-13	0.03	30	<LOQ

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