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

Mushroom/D9 Hemp Gummies
Sample Matrix: Mushroom Edibles (Ingestion)

Certificate of Analysis

Compliance Test

Client Information:

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

Batch # MSGAACD102
Batch Date: 2023-07-26
Extracted From: Mushrooms

Cultivation Date: 0000-00-00
Production Date: 0000-00-00

Order # FIV230726-010002
Order Date: 2023-07-26
Sample # AAES398
Serving Number: 3.00000

Sampling Date: 2023-07-27
Lab Batch Date: 2023-07-27
Completion Date: 2023-08-03

Initial Gross Weight: 20.281 g
Net Weight: 16.381 g

Number of Units: 1
Net Weight per Package: 16381.000 mg
Sampling Method: MSP 7.3.1

Amanita Muscaria **Tested**
Psilocin **Tested**
Psilocybin **Tested**

Amanita Analytes *

Specimen Weight: 5273.500 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 4

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Ibotenic acid	1.13E-05	5.21E-5	<LOQ	<LOQ
Muscarine	3.65E-06	1.3E-5	<LOQ	<LOQ
Muscimol	8.81E-06	5.21E-5	<LOQ	<LOQ

Prep. By: 1195 **Date:** 2023-07-27 18:57:44 **Analyzed By:** 1142 **Date:** 2023-07-27 17:06:31
Reviewed By: 1150 **Date:** 2023-08-02 19:57:09 **Lab Batch #:** AAES398-415 **Date:** 2023-08-02 19:57:09

Mushroom Analytes *

Specimen Weight: 396.760 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 4

Analyte	LOQ (%)	Result (mg/g)	(%)
psilocin	0.00015	<LOQ	<LOQ
psilocybin	0.000375	<LOQ	<LOQ
baeocystin	0.000225	<LOQ	<LOQ
norbaeocystin	0.000253	<LOQ	<LOQ
norpsilocin	4.5E-5	<LOQ	<LOQ
aeruginascin	6.0E-5	<LOQ	<LOQ
4-hydroxy TMT	2.38E-5	<LOQ	<LOQ
harmane	9.38E-5	<LOQ	<LOQ
harmine	5.63E-5	<LOQ	<LOQ

Prep. By: 1195 **Date:** 2023-07-27 18:57:54 **Analyzed By:** 1142 **Date:** 2023-07-27 17:09:49
Reviewed By: 1150 **Date:** 2023-08-01 19:48:52 **Lab Batch #:** AAES398-371 **Date:** 2023-08-01 19:48:52

Mushroom Potency Summary

Total Alkaloids per Package	Total Alkaloids per Serving
- 0	- 0
Total Amanita Analytes per Package	**Total Amanita Analytes per Serving**
- -	- -
Total Psilocybin + Psilocin per Package	**Total Psilocybin + Psilocin per Serving**
- Not Detected	- Not Detected

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

Definitions and Abbreviations used in this report: (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 Sample not received via laboratory sampling.

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QA By: 1057 on 2023-08-03 11:24:00 V1

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721 Cortaro Dr.
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FL License # CMTL-0003
CLIA No. 10D1094068

Delta-9 Gummy
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)

Certificate of Analysis

Compliance Test

Client Information:

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

Batch # D9GUMAACD1
Batch Date: 2023-07-26
Extracted From: Hemp

Test Reg State: Louisiana

Order # FIV230726-050001
Order Date: 2023-07-26
Sample # AAES394
Serving Number: 5.00000

Sampling Date: 2023-07-27
Lab Batch Date: 2023-07-27
Completion Date: 2023-07-31

Initial Gross Weight: 20.171 g
Net Weight: 16.071 g

Number of Units: 1
Net Weight per Package: 16071.000 mg
Net Weight per Serving: 3214.2 mg

Product Image

Potency Tested
Heavy Metals Passed
Pesticides Passed
Residual Solvents Passed
Pathogenic Microbiology Passed
Microbiology (qPCR) Passed

Delta 8/Delta 10 Potency 13 - (LCUV)

Specimen Weight: 1522.400 mg

Passed
SOP13.052 (LCUV)

Pieces For Panel: 4

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-9 THC	1.30E-5	0.1	2.400	0.240
CBD	5.40E-5	0.0015	0.080	0.008
CBN	1.40E-5	0.0015	0.030	0.003
Delta-8 THC	2.60E-5	0.0015	0.020	0.002
CBC	1.80E-5	0.0015	<LOQ	<LOQ
CBDA	1.00E-5	0.0015	<LOQ	<LOQ
CBDV	6.50E-5	0.0015	<LOQ	<LOQ
CBG	2.48E-4	0.0015	<LOQ	<LOQ
CBGA	8.00E-5	0.0015	<LOQ	<LOQ
Delta-10 THC	3.00E-6	0.0015	<LOQ	<LOQ
Delta6a10a-THC	8.47E-5	0.0015	<LOQ	<LOQ
THCA-A	3.20E-5	0.0015	<LOQ	<LOQ
THCV	7.00E-6	0.0015	<LOQ	<LOQ
Total Active CBD			0.080	0.008
Total Active THC			2.400	0.240

Potency Summary

Total Delta 8 per Serving: 0.002% 0.06428mg	Total Delta 10 per Serving: - None Detected
Delta 9 THC per Serving: 0.24% 7.7141mg	Total Active CBD per Serving: 0.008% 0.2571mg
Total CBG per Serving: - None Detected	Total CBN per Serving: 0.003% 0.09643mg
Other Cannabinoids per Serving: - None Detected	Total Cannabinoids per Serving: 0.253% 8.1319mg
Total Active CBD Per Package: 0.008% 1.2857mg	Total Active THC per Serving: 0.242% 7.7784mg
Total Active THC Per Package: 0.242% 38.8918mg	Delta 9 THC per Package: 0.24% 7.7141mg

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, ACS uses simple acceptance criteria. Passed – Analyte/microbe is not detected or is at the level below the action limit per LA rule R.S., 40:4(A)(13), R.S. 3:1483, R.S. 40:604. Failed – Analyte/microbe is at the level that equal or above the action limit per LA rule R.S., 40:4(A)(13), R.S. 3:1483, R.S. 40:604 Sample not received via laboratory sampling.

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CLIA No. 10D1094068

Mushroom / D9 Gummy
Sample Matrix: CBD/HEMP Edibles (Ingestion)

Certificate of Analysis

Compliance Test

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

Batch # MSGAACD102
Batch Date: 2023-07-26
Extracted From: Hemp

Test Reg State: Louisiana

Order # FIV230726-020001
Order Date: 2023-07-26
Sample # AAES373
Serving Number: 4.00000

Sampling Date: 2023-07-27
Lab Batch Date: 2023-07-27
Completion Date: 2023-08-03

Initial Gross Weight: 19.260 g
Net Weight: 15.360 g

Number of Units: 1
Net Weight per Package: 15360.000 mg
Net Weight per Serving: 3840 mg

Total Yeast and Mold

Passed

Specimen Weight: 518.800 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: 1013.200 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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Definitions are found on page 1

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QA By: 1057 on 2023-08-03 18:14:55 V1

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Mushroom / D9 Gummy
Sample Matrix: CBD/HEMP Edibles (Ingestion)

Certificate of Analysis

Compliance Test

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

Batch # MSGAACD102
Batch Date: 2023-07-26
Extracted From: Hemp

Test Reg State: Louisiana

Order # FIV230726-020001
Order Date: 2023-07-26
Sample # AAES373
Serving Number: 4.00000

Sampling Date: 2023-07-27
Lab Batch Date: 2023-07-27
Completion Date: 2023-08-03

Initial Gross Weight: 19.260 g
Net Weight: 15.360 g

Number of Units: 1
Net Weight per Package: 15360.000 mg
Net Weight per Serving: 3840 mg

Heavy Metals - LA

Passed

Specimen Weight: 251.600 mg

SOP13.048 (ICP-MS)

Dilution Factor: 198.728

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

Residual Solvents - LA (CBD)

Passed

Specimen Weight: 312.200 mg

SOP13.039 (GCMS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	500	<LOQ
1,2-Dichloroethane	0.0003	0.04	5	<LOQ	Hexane	0.068	1.17	10	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	<LOQ
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	22.372
Benzene	0.0002	0.02	1	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	800	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	1566.966	Toluene	0.0009	2.92	1	<LOQ
Ethyl Acetate	0.0012	1.11	5000	43.438	Total Xylenes	0.0001	2.92	1	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					

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Mushroom / D9 Gummy
Sample Matrix: CBD/HEMP Edibles (Ingestion)

Certificate of Analysis

Compliance Test

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

Batch # MSGAACD102
Batch Date: 2023-07-26
Extracted From: Hemp

Test Reg State: Louisiana

Order # FIV230726-020001
Order Date: 2023-07-26
Sample # AAES373
Serving Number: 4.00000

Sampling Date: 2023-07-27
Lab Batch Date: 2023-07-27
Completion Date: 2023-08-03

Initial Gross Weight: 19.260 g
Net Weight: 15.360 g

Number of Units: 1
Net Weight per Package: 15360.000 mg
Net Weight per Serving: 3840 mg

Pesticides - LA

Specimen Weight: 607.000 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.470

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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