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

Ralphys
Sample Matrix: Mushroom Edibles (Ingestion)

Certificate of Analysis

Compliance Test

Client Information:
Only Fire Hemp LLC
1113 New Castle Rd
Prospect, Pennsylvania 16052

Batch # 001
Batch Date: 2026-05-31
Extracted From: Mushroom Blend

Order # ONL260701-010001
Order Date: 2026-07-01
Sample # AAHU922
Serving Number: 10.00000

Receipt Date: 2026-07-08
Lab Batch Date: 2026-07-08
Orig. Completion Date: 2026-07-17

Initial Gross Weight: 113.800 g

Number of Units: 1
Net Weight per Package: 96000.000 mg
Sampling Method: MSP 7.3.1

Statement of Amendment: Updated Photo; Net weight 9.6grams requested



Functional Mushroom: Tested
Psilocin: Tested
Psilocybin: Tested
Heavy Metals: Passed
Mycotoxins: Passed
Pesticides: Passed
Residual Solvents: Passed
Water Activity: Tested
General Mushroom: Tested
Pathogenic Microbiology: Passed
Microbiology (qPCR): Passed

Functional Mushroom

Tested
SOP-004 (Shimadzu HPLC)

Sample Weight: N/A

Pieces For Panel: 10

Analyte	LOQ (%)	Result (mg/g)	(%)
Lupeol	9.858E-5	0.061	0.0061
Betulin	9.858E-5	<LOQ	<LOQ
Betulinic Acid	9.858E-5	<LOQ	<LOQ
Erinacine A	9.858E-5	<LOQ	<LOQ
Ganoderic Acid A	9.858E-5	<LOQ	<LOQ
Ganoderic Acid D	9.858E-5	<LOQ	<LOQ
Hericerin	0.000261238	<LOQ	<LOQ
Inotodiol	0.001232256	<LOQ	<LOQ
Melatonin	2.4645E-5	<LOQ	<LOQ
Total Psilocybin + Psilocin per Package		-	-
Total Psilocybe Mushroom Analytes per Package		-	-

Prep. By: N/A **Date:** 2026-10-09 16:04:29 **Analyzed By:** N/A **Date:** 2026-10-09 16:04:29
Reviewed By: N/A **Date:** 2026-10-09 16:04:29 **Lab Batch #:** AAHU922-677 **Date:** 2026-10-09 16:04:29

Mushroom Potency Summary

Total Psilocybin + Psilocin per Package	Total Psilocybin + Psilocin per Serving
- -	- -
Total Psilocybe Mushroom Analytes per Package	**Total Psilocybe Mushroom Analytes per Serving**
- -	- -

Psilocybe Mushroom Analytes

Tested
SOP 13.058 (LCMS)

Sample Weight: 401.900 mg

Pieces For Panel: 10

Analyte	LOQ (%)	Result (mg/g)	(%)
psilocybin	0.000375	<LOQ	<LOQ
baeocystin	0.000225	<LOQ	<LOQ
psilocin	0.00015	<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
4-hydroxytryptamine	5.65E-5	<LOQ	<LOQ
harmane	9.38E-5	<LOQ	<LOQ
harmine	5.63E-5	<LOQ	<LOQ
Total Psilocybin + Psilocin per Package		-	-
Total Psilocybe Mushroom Analytes per Package		-	-

Analyzed By: 1264 **Date:** 2026-07-11 15:25:52
Reviewed By: 1057 **Date:** 2026-07-15 16:10:45 **Lab Batch #:** AAHU922-371 **Date:** 2026-07-15 16:10:45

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

ACCREDITED CERT #6786.01

DEA REGISTERED LABORATORY #RA0571996

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, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity. ACS uses simple acceptance criteria for contaminant panels. Passed – contaminant analytes/microbes are not detected or are at the level below the action limit per FL rule 5K-4.034. Failed – contaminant analytes/microbes are at the level that is equal to or above the action limit per FL rule 5K-4.034. Client supplied the net weight of mg The results apply to the sample as received. Please note that the analysis and sample image were conducted by an external laboratory. All test results are included in this COA for your reference. External testing COA is available upon request. Revised report- see statement of amendment above.

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Ralphys
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Compliance Test

Client Information:
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1113 New Castle Rd
Prospect, Pennsylvania 16052

Batch # 001
Batch Date: 2026-05-31
Extracted From: Mushroom Blend

Order # ONL260701-010001
Order Date: 2026-07-01
Sample # AAHU922
Serving Number: 10.00000

Receipt Date: 2026-07-08
Lab Batch Date: 2026-07-08
Orig. Completion Date: 2026-07-17

Initial Gross Weight: 113.800 g

Number of Units: 1
Net Weight per Package: 96000.000 mg
Sampling Method: MSP 7.3.1

Residual Solvents - FL *

Passed

Sample Weight: 16.000 mg

SOP13.039 (GCMS-HS)

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	0.009	0.132	8	<LOQ	Heptane	0.001	8	5000	<LOQ
1,2-Dichloroethane	0.000	0.032	2	<LOQ	Hexane	0.068	0.8	250	<LOQ
Acetone	0.015	12	750	<LOQ	Isopropyl alcohol	0.005	8	500	<LOQ
Acetonitrile	0.060	0.96	60	<LOQ	Methanol	0.001	4	250	<LOQ
Benzene	0.000	0.016	1	<LOQ	Methylene chloride	0.003	2	125	<LOQ
Butanes	0.417	13.32	5000	<LOQ	Pentane	0.037	12	750	<LOQ
Chloroform	0.000	0.032	2	<LOQ	Propane	0.031	26.668	5000	<LOQ
Ethanol	0.002	16	5000	<LOQ	Toluene	0.001	2.4	150	<LOQ
Ethyl Acetate	0.001	6.4	400	<LOQ	Total Xylenes	0.000	7.2	150	<LOQ
Ethyl Ether	0.005	8	500	<LOQ	Trichloroethylene	0.001	0.4	25	<LOQ
Ethylene Oxide	0.004	0.32	5	<LOQ					

Prep. By: 1291 **Date:** 2026-07-08 19:54:16 **Analyzed By:** 1291 **Date:** 2026-07-08 19:54:16

Reviewed By: 1222 **Date:** 2026-07-12 19:37:21 **Lab Batch #:** AAHU922-55 **Date:** 2026-07-12 19:37:21

Heavy Metals *

Passed

Sample Weight: 251.800 mg

SOP13.048 (ICP-MS)

Dilution Factor: 198

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	200	<LOQ	Lead (Pb)	.58	100	500	<LOQ
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	11.76	100	200	<LOQ

Prep. By: 1204 **Date:** 2026-07-09 10:12:22 **Analyzed By:** 1204 **Date:** 2026-07-09 10:12:22

Reviewed By: 1264 **Date:** 2026-07-10 17:02:44 **Lab Batch #:** AAHU922-4 **Date:** 2026-07-10 17:02:44

Mycotoxins FL *

Passed

Sample Weight: 608.600 mg

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.460

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	4.9	20	<LOQ	Aflatoxin G2	2.7100E-1	4.9	20	<LOQ
Aflatoxin B2	7.7000E-2	4.9	20	<LOQ	Ochratoxin A	7.5400E-1	9.8	20	<LOQ
Aflatoxin G1	3.0400E-1	4.9	20	<LOQ					

Prep. By: 1256 **Date:** 2026-07-08 17:54:17 **Analyzed By:** 1256 **Date:** 2026-07-08 17:54:17

Reviewed By: 1183 **Date:** 2026-07-11 15:32:02 **Lab Batch #:** AAHU922-616 **Date:** 2026-07-11 15:32:02

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

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Sample Matrix: Mushroom Edibles (Ingestion)

Certificate of Analysis

Compliance Test

Client Information:
Only Fire Hemp LLC
1113 New Castle Rd
Prospect, Pennsylvania 16052

Batch # 001
Batch Date: 2026-05-31
Extracted From: Mushroom Blend

Order # ONL260701-010001
Order Date: 2026-07-01
Sample # AAHU922
Serving Number: 10.00000

Receipt Date: 2026-07-08
Lab Batch Date: 2026-07-08
Orig. Completion Date: 2026-07-17

Initial Gross Weight: 113.800 g

Number of Units: 1
Net Weight per Package: 96000.000 mg
Sampling Method: MSP 7.3.1

Water Activity *

Tested
SOP13.016 (Water Activity Analyzer)

Sample Weight: 0.500 g
Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.4

Prep. By: 1284 Date: 2026-07-13 12:52:58 Analyzed By: 1284 Date: 2026-07-13 12:52:58
Reviewed By: 1284 Date: 2026-07-13 17:15:21 Lab Batch #: AAHU922-171 Date: 2026-07-13 17:15:21

General Mushroom *

Tested
SOP-004 (Shimadzu HPLC)

Sample Weight: N/A

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Adenosine	5.71E-6	0.006	0.0006	Ergothioneine	0.000113623	<LOQ	<LOQ
Cordycepin	5.71E-6	<LOQ	<LOQ	Tryptophan	5.71E-6	0.006	0.0006

Prep. By: N/A Date: 2026-10-09 16:04:30 Analyzed By: N/A Date: 2026-10-09 16:04:30
Reviewed By: N/A Date: 2026-10-09 16:04:30 Lab Batch #: AAHU922-676 Date: 2026-10-09 16:04:30

Pathogenic Microbiology SAE (MicroArray) *

Passed
SOP13.019 (Micro Array)

Sample Weight: 1013.800 mg
Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	Aspergillus terreus	Absence in 1g
Aspergillus fumigatus	Absence in 1g	Salmonella	Absence in 1g
Aspergillus niger	Absence in 1g	STEC E. Coli	Absence in 1g

Prep. By: 1161 Date: 2026-07-10 08:39:01 Analyzed By: 1161 Date: 2026-07-10 08:39:01
Reviewed By: 1161 Date: 2026-07-10 15:03:50 Lab Batch #: AAHU922-13 Date: 2026-07-10 15:03:50

PCR Total Yeast and Mold *

Passed
SOP13.017 (qPCR)

Sample Weight: 518.200 mg
Dilution Factor: 8.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	Not Detected

Prep. By: 1161 Date: 2026-07-09 11:45:17 Analyzed By: 1161 Date: 2026-07-09 11:45:17
Reviewed By: 1161 Date: 2026-07-10 09:04:38 Lab Batch #: AAHU922-218 Date: 2026-07-10 09:04:38

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

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Order Date: 2026-07-01
Sample # AAHU922
Serving Number: 10.00000

Receipt Date: 2026-07-08
Lab Batch Date: 2026-07-08
Orig. Completion Date: 2026-07-17

Initial Gross Weight: 113.800 g

Number of Units: 1
Net Weight per Package: 96000.000 mg
Sampling Method: MSP 7.3.1

Pesticides *

Passed

Sample Weight: 608.600 mg

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.460

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	3.9900E-1	23.3	300	<LOQ	Fludioxonil	3.6000E-1	24.8	3000	<LOQ
Acephate	1.4100E-1	24.8	3000	<LOQ	Hexythiazox	1.1300E-1	24.8	2000	<LOQ
Acequinocyl	2.1780E+0	24.8	2000	<LOQ	Imazalil	2.5800E-1	24.8	100	<LOQ
Acetamiprid	1.4000E-1	24.8	3000	<LOQ	Imidacloprid	4.0200E-1	24.8	3000	<LOQ
Aldicarb	2.0300E-1	24.8	100	<LOQ	Kresoxim Methyl	1.8200E-1	24.8	1000	<LOQ
Azoxystrobin	1.8800E-1	24.8	3000	<LOQ	Malathion	2.2300E-1	24.8	2000	<LOQ
Bifenazate	8.6000E-2	24.8	3000	<LOQ	Metalaxyl	2.7000E-1	24.8	3000	<LOQ
Bifenthrin	1.0000E-1	24.8	500	<LOQ	Methiocarb	1.1800E-1	24.8	100	<LOQ
Boscalid	5.9500E-1	24.8	3000	<LOQ	Methomyl	6.4000E-2	24.8	100	<LOQ
Captan	1.8500E+0	323	3000	<LOQ	methyl-Parathion	8.2000E-1	24.8	100	<LOQ
Carbaryl	1.2200E-1	24.8	500	<LOQ	Mevinphos	9.3000E-2	24.8	100	<LOQ
Carbofuran	8.6000E-2	24.8	100	<LOQ	Myclobutanil	5.7300E-1	24.8	3000	<LOQ
Chlorantraniliprole	8.4000E-2	24.8	3000	<LOQ	Naled	6.9000E-2	24.8	500	<LOQ
Chlordane	1.4100E+0	24.8	100	<LOQ	Oxamyl	4.1000E-2	24.8	500	<LOQ
Chlorfenapyr	1.5000E+0	24.8	100	<LOQ	Paclobutrazol	1.8600E-1	24.8	100	<LOQ
Chlormequat Chloride	2.0500E-1	24.8	3000	<LOQ	Pentachloronitrobenzene	2.2000E-1	24.8	200	<LOQ
Chlorpyrifos	1.0900E-1	24.8	100	<LOQ	Permethrin	6.2400E-1	24.8	1000	<LOQ
Clofentezine	2.1200E-1	24.8	500	<LOQ	Phosmet	1.2700E-1	24.8	200	<LOQ
Coumaphos	2.0600E-1	24.8	100	<LOQ	Piperonylbutoxide	1.4900E-1	24.8	3000	<LOQ
Cyfluthrin	9.8000E-1	24.8	1000	<LOQ	Prallethrin	1.4760E+0	24.8	400	<LOQ
Cypermethrin	9.8500E-1	24.8	1000	<LOQ	Propiconazole	2.9400E-1	24.8	1000	<LOQ
Daminozide	1.6550E+0	24.8	100	<LOQ	Propoxur	1.0000E-1	24.8	100	<LOQ
Diazinon	2.1200E-1	24.8	200	<LOQ	Pyrethrins	6.7000E-2	12.9	1000	<LOQ
Dichlorvos	1.1300E+0	24.8	100	<LOQ	Pyridaben	1.4000E-1	24.8	3000	<LOQ
Dimethoate	6.3000E-2	24.8	100	<LOQ	Spinetoram	4.2400E-1	24.8	3000	<LOQ
Dimethomorph	2.5810E+0	24.8	3000	<LOQ	Spinosad	2.8000E-2	24.8	3000	<LOQ
Ethoprophos	1.5100E-1	24.8	100	<LOQ	Spiromesifen	1.2000E-1	24.8	3000	<LOQ
Etofenprox	1.7200E-1	24.8	100	<LOQ	Spirotetramat	2.1100E-1	24.8	3000	<LOQ
Etoxazole	8.6600E-1	24.8	1500	<LOQ	Spiroxamine	5.3300E-1	24.8	100	<LOQ
Fenhexamid	5.8800E-1	24.8	3000	<LOQ	Tebuconazole	2.3000E-1	24.8	1000	<LOQ
Fenoxycarb	2.7400E-1	24.8	100	<LOQ	Thiacloprid	1.7000E-1	24.8	100	<LOQ
Fenpyroximate	1.9800E-1	24.8	2000	<LOQ	Thiamethoxam	1.7900E-1	24.8	1000	<LOQ
Fipronil	3.1700E-1	24.8	100	<LOQ	Trifloxystrobin	1.3400E-1	24.8	3000	<LOQ
Flonicamid	4.6600E-1	24.8	2000	<LOQ					

Prep. By: 1256 **Date:** 2026-07-08 17:54:17 **Analyzed By:** 1256 **Date:** 2026-07-08 17:54:17

Reviewed By: 1183 **Date:** 2026-07-11 15:32:02 **Lab Batch #:** AAHU922-202 **Date:** 2026-07-11 15:32:02

Aixia Sun Lab Director/Principal Scientist
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